

Virologický ústav Slovenskej akadémie vied



Správa o činnosti VÚ SAV za rok 2014

Bratislava, 2015

Obsah osnovy Správy o činnosti Virologického ústavu SAV za rok 2014

1. Základné údaje o organizácii
2. Vedecká činnosť
3. Doktorandské štúdium, iná pedagogická činnosť a budovanie ľudských zdrojov pre vedu a techniku
4. Medzinárodná vedecká spolupráca
5. Vedná politika
6. Spolupráca s VŠ a inými subjektmi v oblasti vedy a techniky v SR
7. Spolupráca s aplikačnou a hospodárskou sférou
8. Aktivity pre Národnú radu SR, vládu SR, ústredné orgány štátnej správy SR a iné organizácie
9. Vedecko-organizačné a popularizačné aktivity
10. Činnosť knižnično-informačného pracoviska
11. Aktivity v orgánoch SAV
12. Hospodárenie organizácie
13. Nadácie a fondy pri organizácii SAV
14. Iné významné činnosti organizácie SAV
15. Vyznamenania, ocenenia a ceny udelené pracovníkom organizácie SAV
16. Poskytovanie informácií v súlade so zákonom o slobodnom prístupe k informáciám
17. Problémy a podnety pre činnosť SAV

PRÍLOHY

- A Zoznam zamestnancov a doktorandov organizácie k 31.12.2014
- B Projekty riešené v organizácii
- C Publikačná činnosť organizácie (pozn: generované cez Elvys)
- D Údaje o pedagogickej činnosti organizácie
- E Medzinárodná mobilita organizácie

1. Základné údaje o VÚ SAV

1.1. Kontaktné údaje

Názov: Virologický ústav SAV

Riaditeľ: MVDr. Juraj Kopáček, DrSc.

Zástupca riaditeľa: Ing. Ľudovít Škultéty, PhD.

Vedecký tajomník: RNDr. Tatiana Betáková, CSc.

Predseda vedeckej rady: Ing. Miroslav Glasa, PhD.

Člen snemu SAV: MVDr. Juraj Kopáček, DrSc.

Adresa: Dúbravská cesta 9, 845 05 Bratislava

<http://www.virology.sav.sk/>

Tel.: 02/ 59302405

Fax: 02/ 54774284

E-mail: virupold@savba.sk

Názvy a adresy detašovaných pracovísk:

☐ **Oddelenie biotechnologických aplikácií**
Jarková 269/17, 082 22 Šarišské Michaľany

Vedúci detašovaných pracovísk:

☐ **Oddelenie biotechnologických aplikácií**
MVDr. Juraj Kopáček, DrSc.

Typ organizácie: Rozpočtová od roku 1953

1.2. Údaje o zamestnancoch

Tabuľka 1a: počet a štruktúra zamestnancov

Štruktúra zamestnancov	K	K		K do 35 rokov		F	P	T
		M	Ž	M	Ž			
Celkový počet zamestnancov	114	31	83	4	18	102	93,4	59,34
Vedeckí pracovníci	62	22	40	3	10	54	46,12	46,12
Odborní pracovníci VŠ	22	1	21	1	8	20	19,05	10,22
Odborní pracovníci ÚS	18	2	16	0	0	17	17,58	3
Ostatní pracovníci	12	6	6	0	0	11	10,65	0

Tabuľka 1b: štruktúra vedeckých pracovníkov (kmeňový stav k 31.12.2014)

Rodová skladba	Pracovníci s hodnosťou				Vedeckí pracovníci v stupňoch		
	DrSc.	CSc./PhD.	prof.	doc.	I.	IIa.	IIb.
Muži	4	19	1	1	4	12	6
Ženy	5	35	2	0	5	15	20

Tabuľka 1c Štruktúra pracovníkov podľa veku a rodu, ktorí sú riešiteľmi projektov

Veková štruktúra (roky)	< 31	31-35	36-40	41-45	46-50	51-55	56-60	61-65	> 65
Muži	1	4	1	3	3	2	1	2	4
Ženy	8	8	7	6	2	4	7	3	1

Tabuľka 1d :priemerný vek zamestnancov VÚ SAV k 31.12.2014

	Kmeňoví zamestnanci	Vedeckí pracovníci	Riešitelia projektov
Muži	50,4	49,3	49,7
Ženy	44,1	41,4	43,3
Spolu	45,8	44,2	45,3

1.3. Iné dôležité informácie k základným údajom o organizácii a zmeny za posledné obdobie (v zameraní, v organizačnej štruktúre a pod.)

V sledovanom období roka 2014 nedošlo vo VÚ SAV k žiadnym organizačným zmenám. Základnými vedeckými organizačnými jednotkami zostávajú oddelenia, ktorých cieľom je riešenie aktuálnych vedeckých problémov.

Zoznam oddelení k 31.12.2014:

- Oddelenie rastlinnej virológie
- Oddelenie rickettsiológie
- Oddelenie ekológie vírusov
- Oddelenie molekulárnej medicíny
- Oddelenie molekulárnej patogenézy vírusov
- Oddelenie ortomyxovírusov
- Oddelenie biotechnologických aplikácií

Nevedeckými organizačnými jednotkami, ktoré sa podieľajú na vytváraní efektívnych a účelných pracovných podmienok vedeckých oddelení sú:

Zoznam úsekov VÚ SAV k 31.12.2014:

- 200 - právno-organizačný úsek
- 300 - ekonomický úsek
- 400 - technický úsek

2. Vedecká činnosť

2.1. Domáce projekty

Tabuľka 2a: počet domácich projektov riešených v roku 2014:

ŠTRUKTÚRA PROJEKTOV	Počet projektov		Čerpané financie za rok 2014 (v €)		
	A	B	A		B
			spolu	pre organizáciu	
1. Vedecké projekty, ktoré boli r. 2014 financované VEGA	24	1	190182	190182	-
2. Projekty, ktoré boli r. 2014 financované APVV	9	2	477576	462436	15140
3. Projekty OP ŠF	1	6	841683,74	11411,11	830272,63
4. Projekty centier excelentnosti SAV	1	0	5000	5000	-
5. Iné projekty (FM EHP, ŠPVV, Vedecko-technické projekty, ESF, na objednávku rezortov a pod.)	-	-	-	-	-

A - organizácia je nositeľom projektu

B - organizácia sa zmluvne podieľa na riešení projektu

Tabuľka 2b: počet návrhov domácich projektov podaných v roku 2014:

Štruktúra projektov	Miesto podania	Organizácia je nositeľom projektu	Organizácia sa zmluvne podieľa na riešení projektu
1. Účasť na nových výzvach APVV r. 2014	-	4	10
2. Projekty výziev OP ŠF podané r. 2014	Bratislava		
	Regióny		

A - organizácia je nositeľom projektu

B - organizácia sa zmluvne podieľa na riešení projektu

Prehľad podaných projektov, v ktorých je VÚ SAV nositeľom projektu:

APVV-14-0801

Karbonická anhydráza IX a jej potenciál pre využitie v kombinovanej terapii nádorov

Žiadateľská organizácia: Virologický ústav SAV

Zodpovedný riešiteľ: MVDr. Juraj Kopáček, DrSc.

APVV-14-0816

Objasnenie nových prometastatických funkcií nádorovo-asociovej karbonickej anhydrázy IX a jej

interakcie so zápalovou odpoveďou.

Žiadateľská organizácia: Virologický ústav SAV

Zodpovedná riešiteľka: Mgr. Eliška Švastová, PhD.

Spoluriešiteľská organizácia: Ústav experimentálnej onkológie SAV

APVV-14-0400

Vírusy medicínsky a hospodársky významných organizmov v ére sekvenovania novej generácie.

Žiadateľská organizácia: Virologický ústav SAV

Zodpovedný riešiteľ za VU SAV: Boris Klempa

APVV-14-0474

Príprava erytropoetínu, terapeutického hormónu ovplyvňujúceho tvorbu červených krviniek, expresiou v eukaryotickom bunkovom systéme a jeho ďalšia purifikácia.

Žiadateľská organizácia: Virologický ústav SAV

Zodpovedný riešiteľ: Ing. Ľudovít Škultéty, PhD.

Prehľad podaných projektov, v ktorých sa VÚ SAV zmluvne podieľa na riešení projektu:

APVV-14-0120

Grafénová nanoplatforma na detekciu rakoviny

Žiadateľská organizácia: Ústav polymérov SAV

Zodpovedná riešiteľka: Ing. Mária Omastová, DrSc.

Spoluriešiteľské organizácie: Virologický ústav SAV, Fyzikálny ústav SAV, Ústav experimentálnej fyziky SAV

Zodpovedná riešiteľka za VÚ SAV: prof. RNDr. Silvia Pastoreková, DrSc.

APVV-14-0753

Biočipy a biosenzory pre glykorozpoznávanie, ich vývoj, príprava a využitie pri výskume rakoviny

Žiadateľská organizácia: Chemický ústav SAV

Zodpovedný riešiteľ: Ing. Jaroslav Katrlík, PhD.

Spoluriešiteľské organizácie: Ústav molekulárnej fyziológie a genetiky SAV, Virologický ústav SAV, Ústav polymérov SAV

Zodpovedná riešiteľka za VÚ SAV: RNDr. Martina Takáčová, PhD.

APVV-14- 0272

Analógy proflavínu – nové protinádorové fotozenzitizátory zacielené na lyzozómy

Žiadateľská organizácia: STU Bratislava

Zodpovedný riešiteľ: doc. RMDr. Helena Paulíková, PhD.

Spoluriešiteľské organizácie: Virologický ústav SAV

Zodpovedná riešiteľka za VÚ SAV: RNDr. Martina Labudová, PhD.

APVV-14-0055

Efektívna diagnostika vírusov ohrozujúcich produkciu rajčiaka jedlého na Slovensku

Žiadateľská organizácia: NPPC VURV Piešťany (Ing. J. Gubiš, PhD.)

Spoluriešiteľ: Virologický ústav SAV

Zodpovedný riešiteľ za VÚ SAV: Ing. Miroslav Glasa, PhD.

APVV 14-0556

Funkcia neuropeptidov and ich receptorov pri regulácii prenosu patogénov z kliešťov na hostiteľa

Žiadateľská organizácia: Ústav zoológie SAV

Zodpovedný riešiteľ: RNDr. Dušan Žitňan, DrSc.

Zodpovedný riešiteľ za VÚ SAV: Mgr. Eva Špitálska, PhD.

APVV-14-5444

Genomická a proteomická analýza myšacieho herpetického vírusu s cieľom identifikovať a charakterizovať faktory zodpovedné za jeho onkogénny potenciál

Žiadateľská organizácia: Univerzita Komenského, Prírodovedecká fakulta

Zodpovedný riešiteľ :prof. RNDr. Jela Mistríková, DrSc.

Zodpovedný riešiteľ za VÚ SAV: RNDr. Gabriela Flores Ramirez, PhD.

APVV-14-0726

Integrované fyziologické a proteomické prístupy zvýšenia produkcie a zlepšenia kvality pšenice cestou posilnenia suchovzdornosti a termotolerance .

Žiadateľská organizácia: Slovenská poľnohospodárska univerzita v Nitre

Zodpovedný riešiteľ: prof. Ing. Brestič Marian, CSc.

Zodpovedný riešiteľ za VÚ SAV : Ing. Ľudovít Škultéty, PhD.

APVV-14-0604

Identifikácia vírusu EBHS a vybraných patogénov ako možnej príčiny poklesu počtosti zajaca poľného (*Lepus europaeus*) na Slovensku

Žiadateľská organizácia: Národné poľnohospodárske a potravinárske centrum

Spoluriešiteľská organizácia: Virologický ústav

Zodpovedný riešiteľ: RNDr. Marcela Kúdelová, DrSc.

2.2. Medzinárodné projekty

2.2.1. Medzinárodné projekty riešené v roku 2014

Tabuľka 2c: počet medzinárodných projektov riešených v roku 2014:

ŠTRUKTÚRA PROJEKTOV	Počet projektov		Čerpané financie za rok 2014 (v €)		
	A	B	A		B
			spolu	pre organi- záciu	
1. Projekty 7 rámcového programu EÚ	0	5	150648,59	-	150648,59
2. Multilaterálne projekty v rámci vedeckých programov COST, ERANET , INTAS, EUREKA, ESPIRIT, PHARE, NATO, UNESCO, CERN, IAEA, ESF (European Science Foundation), ERDF a iné	0	2	4000	4000	

3. Projekty v rámci medzivládnych dohôd o vedecko-technickej spolupráci	0	0	0	0	0
4. Bilaterálne projekty					
5. Podpora medzinárodnej spolupráce z národných zdrojov (MVTs, APVV,...)	0	8	24225		24225
6. Iné projekty financované alebo spolufinancované zo zahraničných zdrojov	1	0	2695	2695	

A - organizácia je nositeľom projektu

B - organizácia sa zmluvne podieľa na riešení projektu

2.2.2. Medzinárodné projekty v 7. RP EÚ a Horizont 2020 podané v roku 2014

Tabuľka 2d : počet projektov 7. RP EÚ a Horizont 2020 v roku 2014

	A	B
Počet podaných projektov v 7. RP EÚ		1
Počet podaných projektov Horizont 2020		4

Prehľad podaných projektov v 7. RP EÚ:

Výzva: Graphene Flagship Competitive Call 2014 - Evaluation Summary Report

Číslo podania: 14-GRPH-080

Názov projektu: Antibody-mediated graphene-based sensing and detection of hypoxic tumor cells

Koordinátor za SAV: prof. RNDr. Jaromír Pastorek, DrSc., Virologický ústav SAV

Spoluriešiteľské organizácie: Ústav polymérov SAV, Fyzikálny ústav SAV, Ústav experimentálnej fyziky SAV

Prehľad podaných projektov Horizont 2020:

Výzva: Health, demographic change and wellbeing, PHC-10:

Development of new diagnostic tools and technologies: in vitro devices, assays and platforms

Názov projektu: Lab-on-chip for fast antibiotic resistance determination and therapy monitoring

Akronym: AB-AB

Koordinátor: Prof. Vellekoop, University of Bremen

Zodpovedná riešiteľka z VÚ SAV: prof. RNDr. Silvia Pastoreková, DrSc.

Výzva: H2020-PHC-01-2014

Číslo podania: SEP-210149299

Názov projektu: Cancer, Obesity and MicroMilieu driven molecular pathways in an Ageing population

Akronym: COMMA

Koordinátorka: prof. Agnes Gorlach, Technical University Munich

Zodpovedná riešiteľka z VÚ SAV: prof. RNDr. Silvia Pastoreková, DrSc.

Výzva: H2020-MSCA-ITN-2014-ETN

Číslo podania: SEP-210161544

Názov projektu: Deciphering the hypoxia pathways in human health and diseases

Akronym: HypoxiHealth

Koordinátorka: Eurne Berra, Technological park Bilbao

Zodpovedná riešiteľka z VÚ SAV: prof. RNDr. Silvia Pastoreková, DrSc.

Výzva: H2020-MSCA-ITN-2014-ETN

Názov projektu: Rapid Blood Allergy Test

Akronym: RABYT

Koordinátorka: Winnie E. Swendsen, Danish Technical University Nanotech

Zodpovedná riešiteľka z VÚ SAV: prof. RNDr. Silvia Pastoreková, DrSc.

Údaje k domácim a medzinárodným projektom sú uvedené v prílohe B.

2.2.3. Zámery na čerpanie štrukturálnych fondov EÚ v ďalších výzvach

Vzhľadom na skutočnosť, že VÚ SAV bol, alebo aktuálne je nositeľom/partnerom vo viacerých projektoch štrukturálnych fondov EÚ, snahou ústavu je pokračovať a rozvíjať aktivity spojené s týmito projektmi. Toto je dôležité aj z pohľadu ich udržateľnosti a ďalšieho rozvoja, preto ústav má ambície uchádzať sa o projekty aj v nových výzvach.

2.3. Najvýznamnejšie výsledky vedeckej práce

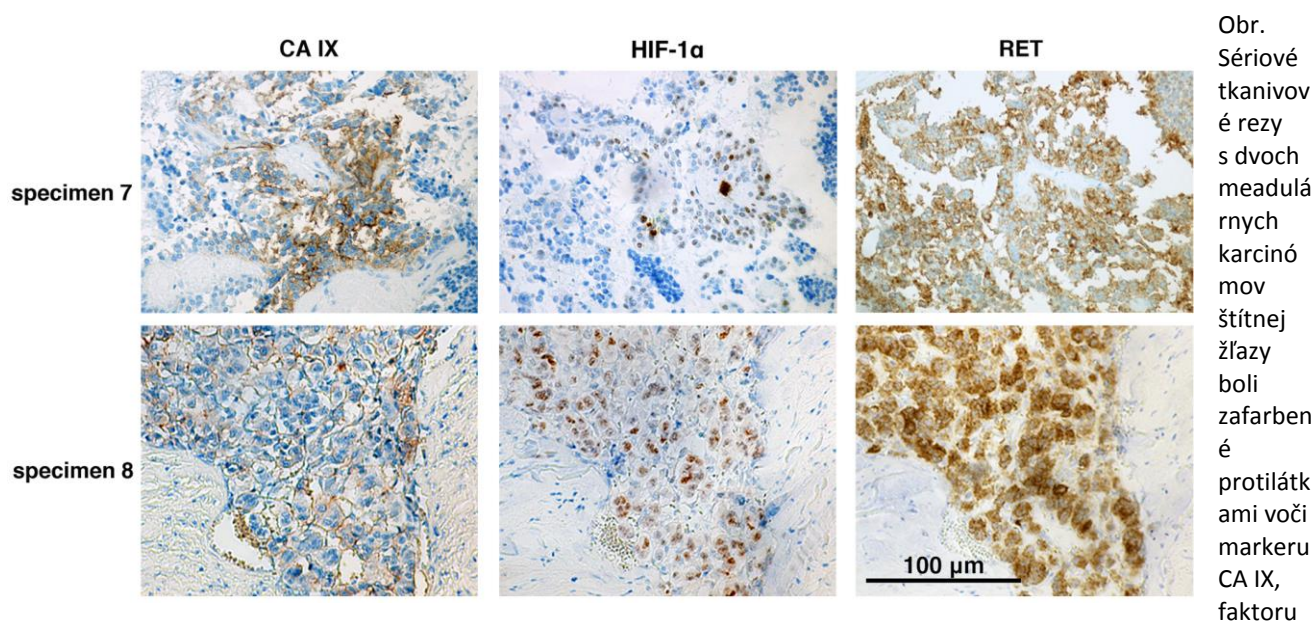
2.3.1. Základný výskum

Objasnenie nových mechanizmov regulácie hypoxiou-indukovaného nádorového markera CA IX

V rámci dlhodobého štúdia nádorového biomarkera CA IX zameraného na objasnenie jeho úlohy v nádoroch a aplikácie v diagnostike a terapii sme v roku 2014 skompletizovali a zverejnili originálne poznatky, ktoré odhaľujú mechanizmy jeho regulácie CA IX. Ukázali sme, že v nádoroch štítnej žľazy je expresia CA IX výsledkom aktivácie onkoproteínu RET a hypoxiou (t.j. zníženým oksyľčením) indukovaného faktora HIF a že obe dráhy kooperujú pri progresii tohto typu rakoviny. Pri hľadaní terapeutických prístupov zacielených na úlohu CA IX v kontrole nádorovej acidózy sme ukázali, že expresia a funkcia CA IX môže byť inhibovaná karnozínom a navrhli sme možné využitie tejto látky v protinádorovej terapii.

Elucidation of novel mechanisms of regulation of the hypoxia-induced tumor marker CA IX

In the frame of the continuing study of the cancer-associated protein CA IX as a tumor biomarker and a therapy target, in 2014 we completed and published original data elucidating novel mechanisms of regulation of the CA IX protein in tumors. We showed that in medullary thyroid carcinoma, CA IX expression results from activation of both RET oncoprotein and HIF hypoxia (e.g. reduced oxygenation)-induced factor, and that these pathways cooperatively drive the progression of this type of cancer. In the search for therapeutic approaches targeted to CA IX we demonstrated that the expression and function of CA IX can be inhibited by carnosine and proposed that this mode of action contributes to potential usefulness of this compound in anticancer therapy.



HIF-1 α a onkoproteínu RET. Hnedé sfarbenie, ktoré dokazuje prítomnosť týchto nádorových znakov v prekrývajúcich sa oblastiach poukazuje na ich hypoxiou-indukovanú regionálnu expresiu (vzorka 7) a na onkogénom RET-indukovanú difúznú expresiu (vzorka 8).

Figure:

Serial tissue sections from two medullary thyroid carcinomas stained for CA IX, HIF-1 α , and RET show either focal (hypoxia-mediated; tissue specimen 7) or diffuse (oncogene-induced; tissue specimen 7) staining pattern for HIF-1 α and CA IX (brown color indicates the presence of individual tumor markers in corresponding tissue areas).

Vedecké výstupy:

ADCA

TAKÁČOVÁ, Martina - BULLOVÁ, Petra - ŠIMKO, Veronika - ŠKVARKOVÁ, Lucia - POTURNAJOVÁ, M. - FEKETOVOVÁ, L. - BABÁL, P. - KIVELA, A.J. - KUOPIO, T. - KOPÁČEK, Juraj - PASTOREK, Jaromír - PARKKILA, S. - PASTOREKOVÁ, Silvia. Expression pattern of carbonic anhydrase IX in Medullary thyroid carcinoma supports a role for RET-mediated activation of the HIF pathway. In *American Journal of Pathology*, 2014, vol. 184, no.4, p. 953 - 965. (4.602 - IF2013). (2014 - Current Contents). ISSN 0002-9440.

ADCA

DITTE, Zuzana - DITTE, Peter - LABUDOVÁ, Martina - ŠIMKO, Veronika - JULIANO, Filippo - ZAŤOVIČOVÁ, Miriam - CSÁDEROVÁ, Lucia - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír. Carnosine inhibits carbonic anhydrase IX-mediated extracellular acidosis and suppresses growth of HeLa tumor xenografts. In *BMC Cancer*, 2014, vol. 14, no. 1, p. 358-370. (3.319 - IF2013). (2014 - Current Contents). ISSN 1471-2407.

2.3.2. Aplikačný typ

Vplyv kliešťov a kliešťami prenášaných patogénov na Slovensku na zdravie ľudí a zvierat

Venovali sme sa epizootologickému štúdiu výskytu kliešťov a kliešťami prenášaných patogénov v rôznych typoch lokalít na Slovensku a možného dopadu na zdravie ľudí a zvierat smerujúce k správnej diagnostike ochorení. Zaznamenali sme prítomnosť patogénnych druhov rickettsií *R. helvetica* a *R. monacensis* v kliešťoch *Ixodes ricinus* a *R. slovaca*, *R. raoulti* v kliešťoch *Dermacentor*

reticulatus. Ale aj prítomnosť patogénov *Babesia canis*, and *Babesia venatorum* v oboch druhoch bežne sa vyskytujúcich kliešťov. Cirkulácia spomínaných patogénov v urbánnych (cintoríny, mestské parky), semiurbánnych (lesoparky) i prírodných lokalitách v nadmorských výškach 150 – 1000 m nad morom nielenže poukazuje na infekčné riziko, ale je aj zdrojom infekcií ľudí i zvierat.

The impact of ticks and tick-borne pathogens in Slovakia on human and animal health

We aimed to the epizootological study of ticks and tick-borne pathogens in different areas in Slovakia and to the potential impact on human and animal health leading to diagnosis of tick-borne diseases. We noted the presence of pathogenic species of rickettsiae, *Rickettsia helvetica* and *R. monacensis* in *Ixodes ricinus* ticks and *R. slovacica*, *R. raoultii* in *Dermacentor reticulatus* ticks. But also pathogens *Babesia canis* and *Babesia venatorum* were identified in both commonly occurring species of ticks. Circulation of mentioned pathogens in urban (cemeteries, city parks), semi-urban (forest parks) and natural areas pointed out that infection risk is very common in humans and animals.

Vedecké výstupy:

ŠPITÁLSKA, Eva - BOLDIŠ, Vojtech - DERDÁKOVÁ, Markéta - SELYEMOVÁ, Diana - RUSŇÁKOVÁ - TARAGELOVÁ, Veronika. Rickettsial infection in *Ixodes ricinus* ticks in urban and natural habitats of Slovakia. In *Ticks and Tick-Borne Diseases*, 2014, vol.5, no.2, p.161 - 165. (2.878 - IF2013). (2014 - Current Contents). ISSN 1877-959X.

ŠVEHLOVÁ, A. - BERTHOVÁ, Lenka - SALLAY, Balazs - BOLDIŠ, Vojtech - SPARAGANO, O.A.E. - ŠPITÁLSKA, Eva. Sympatric occurrence of *Ixodes ricinus*, *Dermacentor reticulatus* and *Haemaphysalis concinna* ticks and *Rickettsia* and *Babesia* species in Slovakia. In *Ticks and Tick-Borne Diseases*, 2014, vol. 5, p. 600 - 605. (2.878 - IF2013). (2014 - Current Contents). ISSN 1877-959X.

2.3.3. Medzinárodné vedecké projekty

Výsledky štúdia úlohy proteínu UL141 ľudského cytomegalovírusu (HCMV) a väzby proteínu galektínu-9 (Gal-9) k bunkovým receptorom v modulácii imunitného systému človeka, príspevok pre vývoj vakcíny a imunoterapiu rakoviny a vírusových/zápalových/imunitných ochorení

HCMV je ubikvitárny herpetický vírus β , ktorý neustále infikuje väčšinu svetovej populácie, pričom na Slovensku je infikovaných tiež viac ako 80% dospeljej populácie. Po primárnej infekcii, HCMV pretrváva u hostiteľa po celý život aj pod kontrolou zdravého imunitného systému. Reaktivácia z vírusovej latencie do produktívnej infekcie u jedincov s oslabenou imunitou, po primárnej infekcii *in utero* (počas tehotenstva) alebo po transplantácii orgánov môže viesť k závažným ochoreniam. Okrem toho sa dnes uvažuje aj o možnosti využiť HCMV ako modelový vektor pre rôzne vakcíny, z tohto dôvodu je potrebné pochopenie toho, ako HCMV moduluje imunitu hostiteľa. V poslednom desaťročí sa rozvíjajú nové imunomodulačné postupy v boji proti širokej škále ochorení, napríklad rakovine, vírusovým infekciám, zápalovým ochoreniam alebo komplikáciám po transplantácii orgánov. Tieto prístupy využívajú monoklonálne protilátky alebo fúzané rekombinantné proteíny. Dôležitou úlohou rekombinantných proteínov je ich špecifické pôsobenie na signálne (povrchové) molekuly buniek imunitného systému, ktorými sa tento cieľene aktivuje. Výsledky našej medzinárodnej spolupráce poskytujú nové pohľady na reguláciu medzi HCMV a hostiteľom a poukazujú na významné úlohy vírusového proteínu UL141 pri tlmení protívírusovej obrany organizmu. Zistili sme, že UL141 cytomegalovírusu, okrem iného, obmedzuje expresiu

TRAIL receptorov bunkovej smrti. Identifikovali sme 3-D atómovú štruktúru komplexu UL141/TRAIL-R2 a zistili, že UL141 nemá ani sekvenčnú ani štruktúrnú homológiu k TRAIL apoptickému ligandu, a že využíva doménu Ig k interakcii s receptormi smrti novým neobvyklým spôsobom. Tiež sme dokázali, že UL141 je potrebný a zároveň postačujúci na inhibíciu expresie CD155 (ligand pre DNAM-1, ktorý aktivuje NK bunky). V UL141/CD155 komplexe sme identifikovali vzájomný väzobný mechanizmus, tzv. 'zámok-a-kľúč' a detailne opísali ich molekulárne kontakty, ktorých poznanie je dôležitým príspevkom k vývoju HCMV vakcíny a rozvoju imunoterapie (Obr. 1).

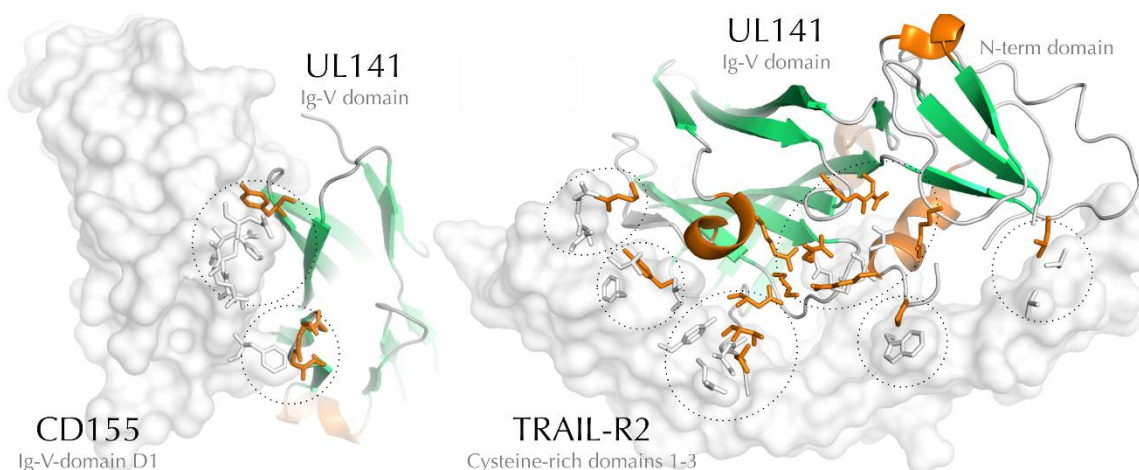
Tiež sme študovali proteínové receptory imunitných buniek, ktoré sú hlavnými cieľmi klinickej intervencie autoimunitných ochorení, vrátane rakoviny. Vývoj biologických molekúl, ktoré dokážu agonizovať alebo antagonizovať bunkové receptory, najmä TNF/TNFR rodiny je predmetom intenzívneho záujmu vzhľadom k úspechu TNF blokátorov pri rôznych zápalových procesoch. Hlavnými cieľmi z TNFR rodiny pri liečbe agonistami sú CD40, OX40, GITR, TRAILR a 4-1BB, ktoré majú za cieľ tieto receptory stimulovať podporou aktivity efektorových T a NK buniek, produkcie regulačných T lymfocytov, alebo v prípade TRAILR priamo indukcie smrti nádorových buniek. Hlavnými kandidátmi pre liečbu imunitných ochorení sú klinicky významné biologické molekuly z rodiny TNF receptorov. Najnovšie klinické výsledky ukázali dôležitosť Fcγ receptorov pre aktivitu CD40, TRAILR a GITR s nadviazanými protilátkami, napríklad protilátky voči 4-1BB (CD137), ktoré môžu posilniť imunitu pri rakovine a tiež podporovať aktivitu regulačných T buniek, ktoré inhibujú autoimunitné ochorenia. Vďaka medzinárodnej spolupráci sme zistili, že účinok agonistu anti-4-1BB pri potláčaní autoimunitného a alergického zápalu je úplne závislá na Gal-9. Zistili sme, že Gal-9 sa priamo viaže na 4-1BB v mieste, odlišnom od väzbového miesta protilátky aj jeho prirodzeného ligandu 4-1BB, že uľahčuje agregáciu a oligomerizáciu 4-1BB a sprostredkúva jeho signalizáciu a aktívnu činnosť na dendritických, T a NK bunkách. Zistenie dôležitosti zachovať túto Gal-9 interakciu u ľudí je významné pre hľadanie efektívnych klinických cieľov pre 4-1BB, prípadne ďalších klinicky významných biologických molekúl z TNFR rodiny.

The results of the study the role of UL141 protein of Human cytomegalovirus (HCMV) and galectine-9 protein (Gal-9) binding to cell receptors in modulating the human immune system, the contribution to the development of vaccine and immunotherapy of cancer and viral/inflammatory/immune diseases

HCMV is a ubiquitous herpesvirus β that persistently infects the majority of the world's population and more than 80% of the Slovak adult population. Following primary infection, HCMV persists for the lifetime of the host under the control of a healthy immune system. Reactivation from viral latency to productive infection in immunocompromised individuals, and acquisition of primary infection *in utero* or during transplantation can lead to serious disease. In addition, counting with the possibility of CMV being used as a vaccine vector, a complete understanding of its ability to modulate host immunity is paramount. In the past decade we have witnessed a surge in the development of immunomodulatory approaches to fight a broad range of human diseases, including cancer, viral infections, autoimmunity and inflammation as well as in the prevention of transplant rejection. Immunomodulatory approaches mostly involve the use of monoclonal antibodies or recombinant fusion proteins that target cell surface signaling molecules on immune cells to drive immune responses towards the desired direction. As a result of our international collaboration, our recent studies provide novel insights into the battle between human cytomegalovirus and the host, slightly uncovering the role for the viral protein UL141 in dampening innate antiviral defense. Our new data reveal that UL141 restricts expression of the death receptors for TRAIL (endogenous apoptotic ligand). We have recently solved the 3-D atomic structure of the UL141/TRAIL-R2 complex, revealing that UL141 has no sequence or structural homology to TRAIL, and instead utilizes an Ig-domain to interact with death receptors in a novel, non-canonical fashion. We have also found that UL141 is both necessary and sufficient to inhibit

cell surface expression of CD155 (ligand for DNAM-1 that activates NK cells) and we have further identified the 'lock-and-key' interaction mechanism and described the intimate molecular contacts in UL141/CD155 complex, all relevant for HCMV vaccine and immunotherapy development (Fig. 1).

We studied also protein receptors on immune cells are major targets for clinical intervention in autoimmune disease and cancer, leading to the development of biologics that either agonize or antagonize these molecules. In particular, the TNF/TNFR superfamily has become the subject of intense interest given the success of TNF blockers in several inflammatory indications. In the area of agonist therapy, major targets in the TNFR superfamily are molecules such as CD40, OX40, GITR, TRAILR, and 4-1BB, with the goal of stimulating these receptors to either promote effector T and NK cell activity in cancer or promote the generation of regulatory T cells in autoimmunity, or in the case of TRAILR to directly induce death in tumor cells. Therefore, biologics to TNF family receptors are prime candidates for therapy of immune disease. Whereas recent studies have highlighted a requirement for Fcγ receptors in enabling the activity of CD40, TRAILR, and GITR when engaged by antibodies, other TNFR molecules may be controlled by additional mechanisms. Antibodies to 4-1BB (CD137) are currently in clinical trials and can both augment immunity in cancer and promote regulatory T cells that inhibit autoimmune disease. As a result of our international collaboration, we found that the action of agonist anti-4-1BB in suppressing autoimmune and allergic inflammation was completely dependent on Galectin-9 (Gal-9). Gal-9 directly bound to 4-1BB, in a site distinct from the binding site of antibodies and the natural ligand of 4-1BB, and Gal-9 facilitated 4-1BB aggregation, signaling, and functional activity in T cells, dendritic cells, and natural killer cells. Conservation of the Gal-9 interaction in humans has important implications for effective clinical targeting of 4-1BB and possibly other TNFR superfamily molecules



Obr. 1: HCMV UL141 je prvým príkladom vírusového proteínu, ktorý cielene inhibuje dve nezávislé signálne dráhy; TRAIL-sprostredkovanú apoptózu buniek pomocou TRAIL-R2 (napravo), pričom v rovnakom čase môže UL141 inhibovať aj CD155 (NK aktivačný ligand) pomocou 'lock&key' mechanizmu (naľavo).

Fig. 1: HCMV UL141 is the first example of viral protein targeting two independent effector pathways. As of TRAIL-mediated killing via death receptor TRAIL-R2 (on the right), while at the same time UL141 is sufficient to downregulates CD155 (an NK cell activating ligand) by lock-and-key mechanism (on the left).

Účastníci medzinárodnej spolupráce:

Ivana Nemčovičová, Institute of Virology, Slovakia
Dirk Zajonc, La Jolla Institute, California, USA

Shravan Madireddi and Dirk Zajonc, La Jolla Institute, California, USA

Peter Tomasec, Cardiff University, UK

Bořivoj Vojtěšek, Masaryk Memorial Cancer Institute, Czech Republic

Vedecké výstupy:

1.Nemčovičová, I. and Zajonc, D.M.: Structure of cytomegalovirus immune modulator UL141 highlights structural Ig-fold versatility for receptor binding. *Acta Cryst Biol Crystallography*, D70:851-862. IF2012(14.11)

2.Madireddi, S., Eun Lee, S.W., Mehta, A., Nemčovičová, I., Lee, S.W., Zajonc, D.M., Niki, T., Hirashima, M. and Croft, M.: Galectin-9 Controls the Therapeutic Activity of 4-1BB-targeting Antibodies. *J Experimental Medicine*, 211(7):1433-1448, jem.20132687. IF2013(13.91)

2.4. Publikačná činnosť

(zoznam je uvedený v prílohe C)

Tabuľka 2e : štatistika vybraných kategórií publikácií

PUBLIKAČNÁ A EDIČNÁ ČINNOSŤ	A Počet v r. 2014/ doplňky z r. 2013	B Počet v r. 2014/ doplňky z r. 2013	C Počet v r. 2014/ doplňky z r. 2013
1. Vedecké monografie vydané v domácich vydavateľstvách (AAB, ABB, CAB)	0 / 0	0 / 0	0 / 0
2. Vedecké monografie vydané v zahraničných vydavateľstvách (AAA, ABA, CAA)	0 / 0	0 / 0	0 / 0
3. Odborné monografie, vysokoškolské učebnice a učebné texty vydané v domácich vydavateľstvách (BAB, ACB)	0 / 0	0 / 0	0 / 0
4. Odborné monografie a vysokoškolské učebnice a učebné texty vydané v zahraničných vydavateľstvách (BAA, ACA)	0 / 0	0 / 0	0 / 0
5. Kapitoly vo vedeckých monografiách vydaných v domácich vydavateľstvách (ABD, ACD)	0 / 0	0 / 0	0 / 0
6. Kapitoly vo vedeckých monografiách vydaných v zahraničných vydavateľstvách (ABC, ACC)	3 / 0	0 / 0	0 / 0
7. Kapitoly v odborných monografiách, vysokoškolských učebniciach a učebných textoch vydaných v domácich vydavateľstvách (BBB, ACD)	0 / 0	0 / 0	0 / 0
8. Kapitoly v odborných monografiách, vysokoškolských učebniciach a učebných textoch vydaných v zahraničných vydavateľstvách (BBA, ACC)	0 / 0	0 / 0	0 / 0
9. Vedecké a odborné práce v časopisoch evidovaných v CCC, WoS, SCOPUS (ADC, ADCA, ADCB, ADD, ADDA, ADDB, CDC, CDCA, CDCB, CDD, CDDA, Cddb, BDC, BDCA, BDCB, BDD, BDDA, Bddb)	40 / 2	10 / 12	1 / 0
10. Vedecké a odborné práce v časopisoch neevidovaných v CCC, WoS, SCOPUS (ADE, ADEA, ADEB, ADF, ADFA, ADFB, CDE, CDEA, CDEB, CDF, CDFA, CDFB, BDE, BDEA, BDEB, BDF, BDFA, BDFB)	5 / 0	0 / 0	0 / 0
11. Vedecké a odborné práce v zborníkoch vydaných tlačou alebo na CD			
a/ recenzované práce a publikované pozvané	28 / 0	0 / 0	1 / 0

príspevky (AEC, AED, AFA, AFB, AFBA, AFBB, BEC, BED)			
b/ nerecenzované práce (AEE, AEF, AFC, AFD, AFDA, AFDB, BEE, BEF, CEC, CED)	5 / 0	0 / 0	1 / 0
12. Vydané periodiká evidované v Current Contents Connect, WoS, SCOPUS	1	0	0
13. Ostatné vydané periodiká	0	0	0
14. Vydané alebo editované zborníky z vedeckých podujatí (FAI)	2/0	0/0	0/0
15. Vedecké práce uverejnené na internete (GHG)	1 / 0	0 / 0	0 / 0
16. Preklady vedeckých a odborných textov (EAJ)	0 / 0	0 / 0	0 / 0
17. Heslá v Encyklopédii Beliana a iných encyklopédiách a terminologických slovníkoch (BDA, BDB)	0	0	0

A - pracovisko SAV je uvedené ako pracovisko (adresa) autora, alebo je súčasťou kolaborácie alebo iného združenia, ktoré je uvedené ako pracovisko (adresa) autora

B - pracovisko SAV nie je na publikácii uvedené

C - pracovisko SAV je uvedené ako materské pracovisko autora odlišné od pracoviska, na ktorom práca vznikla (napr. „on leave...“, „permanent address...“, „present address...“)

Tabuľka 2f : ohlasy

OHLASY	A Počet v r. 2013/ doplňky z r. 2012	B Počet v r. 2013/ doplňky z r. 2012
Citácie vo WoS (1.1, 2.1)	1110/85	0
Citácie v SCOPUS (1.2, 2.2)	394	0
Citácie v iných citačných indexoch a databázach (9, 10)	0	0
Citácie v publikáciách neregistrovaných v citačných indexoch (3, 4)	29	0
Recenzie na práce autorov z organizácie (5, 6, 7, 8)	0	0

A – pracovisko SAV je uvedené ako pracovisko (adresa) autora, alebo je súčasťou kolaborácie alebo iného združenia, ktoré je uvedené ako pracovisko (adresa) autora, alebo pracovisko SAV nie je na publikácii uvedené

B – pracovisko SAV je uvedené ako materské pracovisko autora odlišné od pracoviska, na ktorom práca vznikla (napr. „on leave...“, „permanent address...“, „present address...“)

2.5. Aktívna účasť na vedeckých podujatiach

Tabuľka 2g: vedecké podujatia

Prednášky a vývesky na medzinárodných vedeckých podujatiach	76/5
Prednášky a vývesky na domácich vedeckých podujatiach	33

2.6. Vyžiadané prednášky

2.6.1. Vyžiadané prednášky na medzinárodných vedeckých podujatiach

ŠKULTÉTY, Ľ., FLOREZ-RAMIREZ, G.:

Identification of *C. burnetii*, cell envelope related proteins using a combined bioinformatics plus proteomics strategy.

In Friedrich-Loeffler Institut, March 31, 2014, Jena, Germany

KLEMPA B.:

Hantaviruses as globally emerging pathogens.

In Symposium on Highly pathogenic agents: Medical importance and safety issues in Tanzania. – Mbeya, Tanzania 2014,

REŽUCHOVÁ I.:

The role of epigenetic regulation in murine gammaherpesvirus latency and reactivation.

In Discussion Forum 2014 - Host Pathogen Interaction. Fakulta vojenského zdravotníctví Univerzity obrany. Hradec Králové. May 12th – 15th, 2014.

NEMČOVIČOVÁ, Ivana and Zajonc, D.M.: Structure of HCMV UL141 bound to TRAIL-R2: Novel, Non-canonical Death Receptor interactions. RECAMO, Brno, Czech Republic, presented at 4th RECAMO joint meeting: Through Cancer Research towards applied molecular oncology September 2013.

Nebola vo VS 2013

Zahraničné prednášky, ktoré nemajú afiliáciu SAVVIR a neboli vo VS 2013

NEMČOVIČOVÁ, Ivana, Benedict, C.A. and Zajonc, D.M.:

Novel, Non-canonical death receptor

interactions. Book of abstracts p.24, 21st WCPW (West Coast Protein Crystallography Workshop), Monterey, California, 2013.

2.6.2. Vyžiadané prednášky na domácich vedeckých podujatiach

GLASA Miroslav

Vírusové patogény ohrozujúce čerešne a višne na Slovensku a možnosti ich kontroly.

In: Seminár venovaný k problematike pestovania kôstkovín. Národné poľnohospodárske centrum. Výskumný ústav rastlinnej výroby. 16.júl 2014. Piešťany

PASTOREKOVÁ, Silvia

Hypoxia – významný faktor progresie a terapeutické rezistencie nádorov kolorekta.

In XVIII. Lekársky kongres prírodnej medicíny s interdisciplinárnou účasťou. 3.-5.10.2014. Šamorín – Čilistov.

2.6.3. Vyžiadané prednášky na významných vedeckých inštitúciách

Ak boli príspevky publikované, sú súčasťou Prílohy C, kat. (AFC, AFD, AFE, AFF, AFG, AFH)

KOPÁČEK, Juraj

Hypoxia-induced carbonic anhydrase IX as an important component of tumor progression

Institute of Enzyme research Tokushima University, Japan

Vyžiadané prednášky, ktoré nemajú afiliáciu SAVVIR a neboli vo VS 2013

NEMČOVIČOVÁ, Ivana:

Biacore label-free technique used for analysis of specific receptor-ligand interactions.
Presented at BIACORE User Meeting 2013, La Jolla Institute for Allergy and Immunology, La Jolla, California (May 2013).

2.7. Patentová a licenčná činnosť na Slovensku a v zahraničí v roku 2014

2.7.1. Vynálezy, na ktoré bol udelený patent

MN gene and protein

Patent Number: US 08759493

Patent Assignee: Institute of Virology Slovak Academy of Sciences

Inventor(s):Zavada, Jan; Pastorekova, Silvia; Pastorek, Jaromir

Official Gazette of the United States Patent and Trademark Office Patents

Published: JUN 24 2014

Patent Country:USA

Patent Date Granted: June 24, 2014

Accession Number:BCI:BCI201400766715

ISSN:0098-1133

CA IX-specific inhibitors

Patent Number:US 08628771

Patent Assignee:Institute of Virology Slovak Academy of Sciences

Inventor(s): Supuran, Claudiu; Scozzafava, Andrea; Pastorekova, Silvia; Pastorek, Jaromir

Official Gazette of the United States Patent and Trademark Office Patents

Patent Country:USA

Patent Date Granted:January 14, 2014

Accession Number:BCI:BCI201400214504

ISSN:0098-1133

2.7.2. Prihlásené vynálezy - v sledovanom období žiadne

2.7.3. Predané licencie - v sledovanom období žiadne

2.7.4. Realizované patenty

bez afiliácie SAVVIR

U.S. patent application serial number **14/069,030**; entitled Novel crystal structure and ligand binding sites of TRAIL receptors (pending application for Letters Patent of the U.S.) Co-inventors: Benedict, C.A., Zajonc, D.M. and **Nemčovičová, I.** (2013) B

2.8. Účasť expertov na hodnotení národných projektov (APVV, VEGA a iných)

Tabuľka 2h: experti hodnotiaci národné projekty

Meno pracovníka	Typ programu/projektu/výzvy	Počet hodnotených projektov
Kúdelová Marcela	APVV	1
	KEGA	2
	VEGA	2
Špitalská Eva	Vega	1

2.9. Účasť na spracovaní hesiel do encyklopédie Beliana (počet autorov hesiel)

v sledovanom období žiadne

2.10. Iné informácie k vedeckej činnosti

Virologický ústav si uvedomuje zložitosť financovania vedy, hlavne základného výskumu na Slovensku a preto sa snaží rozvíjať aktivity a programy smerujúce do podpory užšej spolupráce so súkromným sektorom, či už domácim alebo zahraničným, s cieľom urýchliť aplikovateľnosť vedeckých výsledkov do praxe.

Aby bolo možné vyššie uvedené ciele naplňovať, ústav sa zameriava na vybudovanie potrebnej infraštruktúry. V posledných rokoch bolo toto možné realizovať najmä vďaka projektom, kde sa podarilo vytvoriť veľmi dobré podmienky pre využívanie metód molekulárnej biológie, virológie, bunkovej biológie, imunológie atď. v rámci ústavu, SAV alebo kooperujúcich vysokých škôl v tomto združení. Ako naliehavá potreba sa javí udržať špecialistov, ktorí tieto unikátne prístroje obsluhujú.

Najmä vďaka čerpaniu zo štrukturálnych fondov EÚ sa ústav snaží zadovážiť v rámci Slovenskej republiky unikátne prístroje a zariadenia, ktoré nám umožnia držať krok so súčasnými modernými trendmi vo vede.

3. Doktorandské štúdium, iná pedagogická činnosť a budovanie ľudských zdrojov pre vedu a techniku

3.1. Údaje o doktorandskom štúdiu

Tabuľka 3a: počet doktorandov v roku 2014

Forma	Počet k 31.12.2014				Počet ukončených doktorantúr v r. 2014					
	Doktorandi				Ukončenie z dôvodov					
	celkový počet		z toho novoprijatí		ukončenie úspešnou obhajobou		predčasné ukončenie		neúspešné ukončenie	
	M	Ž	M	Ž	M	Ž	M	Ž	M	Ž
Interná zo zdrojov SAV	5	17	1	2	0	1	0	1	0	0
Interná z iných zdrojov	0	0	0	0	1	0	0	0	0	0
Externá	0	3	0	0	0	0	0	0	0	0
Spolu	5	20	1	2	1	1	0	1	0	0
Súhrn	25		3		2		1		0	

3.2. Zmena formy doktorandského štúdia

Tabuľka 3b: počty preradení

Z formy	Interná z prostriedkov SAV	Interná z prostriedkov SAV	Interná z iných zdrojov	Interná z iných zdrojov	Externá	Externá
Do formy	Interná z iných zdrojov	Externá	Interná z prostriedkov SAV	Externá	Interná z prostriedkov SAV	Interná z iných zdrojov
Počet	0	0	0	0	0	0

3.3. Zoznam doktorandov, ktorí ukončili doktorandské štúdium úspešnou obhajobou

Tabuľka 3c: menný zoznam ukončených doktorandov v roku 2014 úspešnou obhajobou

Meno doktoranda	Forma DŠ	Mesiac, rok nástupu na DŠ	Mesiac, rok obhajoby	Číslo a názov študijného odboru	Meno a organizácia školiteľa	Fakulta udeľujúca vedeckú hodnosť
Mgr. Mária Kamencayová	IŠ z prostr. SAV	9 / 2010	8 / 2014	4.2.13 virológia	RNDr. Zdeno Šubr CSc., VÚ SAV	Prírodovedecká fakulta UK
Mgr. Peter Radvák	IŠ z prostr. SAV	9 / 2008	1 / 2014	4.2.3 molekulárna biológia	MVDr. Juraj Kopáček DrSc., VÚ SAV	Prírodovedecká fakulta UK

Zoznam interných a externých doktorandov je uvedený v Prílohe A.

3.4. Zoznam akreditovaných študijných programov s uvedením VŠ

Tabuľka 3d : zoznam akreditovaných študijných programov

Názov študijného programu (ŠP)	Názov študijného odboru (ŠO)	Číslo ŠO	Univerzita/vysoká škola a fakulta
virológia	virológia	4.2.13	Prírodovedecká fakulta UK UVLaF Košice
molekulárna biológia	molekulárna biológia	4.2.3	Prírodovedecká fakulta UK
mikrobiológia	mikrobiológia	4.2.7	Prírodovedecká fakulta UK
onkológia	onkológia	7.1.15	Lekárska fakulta UK

Tabuľka 3e : účasť na pedagogickom procese

Menný prehľad pracovníkov, ktorí boli menovaní do odborových komisií študijných programov doktorandského štúdia	Menný prehľad pracovníkov, ktorí pôsobili ako členovia vedeckých rád univerzít, správnych rád univerzít a fakúlt	Menný prehľad pracovníkov, ktorí získali vyššiu vedeckú, pedagogickú hodnosť alebo vyšší kvalifikačný stupeň
RNDr. Tatiana Betáková, CSc. (virológia)	prof. RNDr. Jaromír Pastorek, DrSc. (SPU Nitra)	RNDr. Martina Takáčová, PhD. (VKS IIa)
Ing. Miroslav Glasa, PhD. (virológia)	prof. RNDr. Jaromír Pastorek, DrSc. (STU Bratislava)	Mgr. Mária Kamencayová (PhD., UK v Bratislave)
doc. RNDr. Peter Kabát, CSc. (virológia)	prof. RNDr. Jaromír Pastorek, DrSc. (SZU Bratislava)	Mgr. Katarína Štefanidesová, PhD. (VKS IIa)
RNDr. Elena Kocianová, DrSc. (mikrobiológia)	prof. RNDr. Jaromír Pastorek, DrSc. (UK v Bratislave)	
MVDr. Juraj Kopáček, DrSc. (molekulárna cytológia)	prof. RNDr. Silvia Pastoreková, DrSc. (Lekárska fakulta UK)	
MVDr. Juraj Kopáček, DrSc. (molekulárna biológia)	prof. RNDr. Silvia Pastoreková, DrSc. (Prírodovedecká fakulta UK)	
MVDr. Juraj Kopáček, DrSc. (mikrobiológia)		
RNDr. František Kostolanský, CSc. (virológia)		
RNDr. Marcela Kúdelová, DrSc. (virológia)		
prof. RNDr. Jela Mistríková, DrSc. (virológia)		
prof. RNDr. Jaromír Pastorek, DrSc. (virológia)		
prof. RNDr. Jaromír Pastorek, DrSc. (molekulárna biológia)		
prof. RNDr. Silvia Pastoreková, DrSc. (virológia)		
prof. RNDr. Silvia Pastoreková, DrSc. (imunológia)		
prof. RNDr. Silvia Pastoreková, DrSc. (molekulárna cytológia)		
prof. RNDr. Silvia Pastoreková, DrSc. (onkológia)		
Ing. Rudolf Toman, PhD, DrSc. (mikrobiológia)		

RNDr. Eva Varečková, DrSc. (viroológia)		
--	--	--

3.5. Údaje o pedagogickej činnosti

Tabuľka 3f: prednášky a cvičenia vedené v roku 2014

PEDAGOGICKÁ ČINNOSŤ	Prednášky		Cvičenia a semináre	
	doma	v zahraničí	doma	v zahraničí
Počet prednášateľov alebo vedúcich cvičení	11	0	5	0
Celkový počet hodín v r. 2014	118	0	74	0

Prehľad prednášateľov predmetov a vedúcich cvičení, s uvedením názvu predmetu, úväzku, katedry, fakulty, univerzity/vysokej školy je uvedený v Prílohe D.

Tabuľka 3g: aktivity pracovníkov na VŠ

1.	Počet pracovníkov, ktorí pôsobili ako vedúci alebo konzultanti diplomových a bakalárskych prác	20
2.	Počet vedených alebo konzultovaných diplomových a bakalárskych prác	26
3.	Počet pracovníkov, ktorí pôsobili ako školitelia doktorandov (PhD.)	11
4.	Počet školených doktorandov (aj pre iné inštitúcie)	18
5.	Počet oponovaných dizertačných a habilitačných prác	9
6.	Počet pracovníkov, ktorí oponovali dizertačné a habilitačné práce	4
7.	Počet pracovníkov, ktorí pôsobili ako členovia komisií pre obhajoby DrSc. prác	2
8.	Počet pracovníkov, ktorí pôsobili ako členovia komisií pre obhajoby PhD. prác	7
9.	Počet pracovníkov, ktorí pôsobili ako členovia komisií, resp. oponenti v inauguračnom alebo habilitačnom konaní na vysokých školách	2

3.6. Iné dôležité informácie k pedagogickej činnosti

V priebehu roka 2014 sa vo VÚ SAV celkom školiло 25 doktorandov (vrátane MD) hradených z prostriedkov SAV a traja doktorandi hradení z iných zdrojov. Dúfame, že vďaka možnosti ich financovania z prostriedkov SAV, bude tento trend aj v budúcnosti pokračovať a počty doktorandov na ústave budú stabilizované respektíve nebudú klesať.

V roku 2014 úspešne obhájili doktorandskú dizertačnú prácu dvaja doktorandi, pričom jeden sa stal zamestnancom VÚ SAV s pracovnou zmluvou uzatvorenou na dobu určitú.

Doktorandi sa aktívne zapájajú do vedeckého a spoločenského života na ústave. Oceniť treba najmä ich aktivity počas akcie s názvom "Noc výskumníkov". Okrem doktorandského štúdia sa viacerí pracovníci ústavu aktívne podieľajú na pedagogickom procese vedením bakalárskych a diplomových prác študentov ako aj vedením seminárov a praktických cvičení.

4. Medzinárodná vedecká spolupráca

4.1. Medzinárodné vedecké podujatia

4.1.1. Medzinárodné vedecké podujatia, ktoré VÚ SAV organizoval v roku 2014, alebo sa na ich organizácii podieľal, s vyhodnotením vedeckého a spoločenského prínosu podujatia

- 5. ročník konferencie Medzinárodnej spoločnosti pre protónovú dynamiku v nádoroch (ISPDC) , Kongresové centrum SAV Smolenice, 80 účastníkov, 08.10.-11.10.2014

Hlavným predmetom konferencie bola problematika fyziologických a molekulárnych mechanizmov v regulácii pH v nádoroch a ich impakt na progresiu nádorovej choroby.

4.1.2. Medzinárodné vedecké podujatia, ktoré usporiada VÚ SAV v roku 2015 (anglický a slovenský názov podujatia, miesto a termín konania, meno, telefónne číslo a e-mail zodpovedného pracovníka)

IV. Labudove dni - IV th Labuda's Days

VÚSAV Bratislava, termín a miesto sa upresňuje

100 účastníkov, organizátor – Mgr. Eva Špitalská, PhD.,

02/ 59302 430, viruspi@savba.sk

4.1.3. Počet pracovníkov v programových a organizačných výboroch medzinárodných konferencií

Tabuľka 4a: programové a organizačné výbory medzinárodných konferencií

Typ výboru	Programový	Organizačný	Programový i organizačný
Počet členstiev	1	4	1

4.2. Členstvo a funkcie v medzinárodných orgánoch

4.2.1. Členstvo a funkcie v medzinárodných vedeckých spoločnostiach, úniách a národných komitétach SR

RNDr. Martin Benej

- European Association of Cancer Research – člen

RNDr. Tatiana Betáková, CSc.

- AAAS (Advancing science, serving society) – člen
- American Society For Microbiology – člen
- Československá spoločnosť mikrobiologická – člen

prof. MUDr. Fedor Čiampor, DrSc.

- Československá biologická spoločnosť AVČR - podpredseda)
- Československá mikrobiologická spoločnosť – člen
- Československá miroskopická spoločnosť AVČR – člen

Ing. Miroslav Glasa, PhD.

- American Phytopathological Society – člen

Mgr. Jaroslav Holý

- Československá mikrobiologická spoločnosť – člen

RNDr. Boris Klempa, PhD.

- Československá mikrobiologická spoločnosť – člen
- European Network for Diagnostics of "Imported" Viral Diseases (ENIVD) - menovaný reprezentant SR
- Gesellschaft für Virologie – člen

RNDr. Juraj Koči, PhD.

- Československá mikrobiologická spoločnosť (funkcia: člen)

RNDr. František Kostolanský, CSc.

- Československá spoločnosť mikrobiologická – člen
- European Society for Clinical Virology – člen

RNDr. Ivan Košík, PhD.

- Československá spoločnosť mikrobiologická (funkcia: člen)

Mgr. Lucia Kotlářová

- Československá mikrobiologická spoločnosť – člen

RNDr. Marcela Kúdelová, DrSc.

- Československá mikrobiologická spoločnosť – člen

prof. RNDr. Jela Mistríková, DrSc.

- Československá mikrobiologická spoločnosť – člen

prof. RNDr. Jaromír Pastorek, DrSc.

- Európska akadémia vied a umení – menovaný člen

prof. RNDr. Silvia Pastoreková, DrSc.

- European Organization for Research and Treatment of Cancer Receptor and Biomarker Group - menovaný člen
- Európska molekulárno-biologická konferencia - menovaný reprezentant SR
- International Society of Cancer Metabolism – člen

Mgr. Margaréta Práznovská

- Československá mikrobiologická spoločnosť – člen

RNDr. Gustáv Russ, DrSc.

- Československá spoločnosť mikrobiologická - člen výboru

RNDr. Zuzana Sekeyová, PhD.

- Československá mikrobiologická spoločnosť – člen
- European society of clinical microbiology and infectious diseases (ESCMID) – člen

Mgr. Eva Špitalská, PhD.

- Československá mikrobiologická spoločnosť – člen

Mgr. Eliška Švastová, PhD.

- International Society for Proton Dynamics in Cancer – člen

Ing. Rudolf Toman, PhD, DrSc.

- EU´s R&D Expert Group on Countering the Effects of Biological and Chemical Terrorism, Brusel – člen
- European Working Group on Rickettsiae, Coxiella and Ehrlichiae - člen výboru
- International Endotoxin Society – člen
- United Nations Industrial Development Organisation (UNIDO), Viedeň - expert pre organickú chémiu a biochémiu
- Chemical Industries Branch - konzultant)

RNDr. Eva Varečková, DrSc.

- Československá spoločnosť mikrobiologická – člen
- European Society for Clinical Virology – člen

4.3. Účasť expertov na hodnotení medzinárodných projektov (EÚ RP, ESF a iných)

Tabuľka 4b: experti hodnotiaci medzinárodné projekty

Meno pracovníka	Typ programu/projektu/výzvy	Počet hodnotených projektov
Špitalská Eva	MAD JRP SR ČR	1

4.4. Najvýznamnejšie prínosy MVTS ústavu vyplývajúce z mobility a riešenia medzinárodných projektov a iné informácie k medzinárodnej vedeckej spolupráci

Mgr. Lenka Berthová

Mgr. Jana Valáriková

Marseille, Francúzsko, 03/14

Účasť na kurze s názvom: „Practical Diagnosis of Arthropod-Borne Infections, ESCMID Postgraduate Education Course“ Marseille, France, organizovanom:

- ESCMID Study Group for Coxiella, Anaplasma, Rickettsia and Bartonella (ESCAR)
- Institut Hospitalo-Universitaire Méditerranée-Infection, Marseille, France
- Eurotravnet Coordinating Center ECDC, Marseille, France

Uvedený kurz voviedol zúčastnených študentov do tajov, rôznych diagnostických aspektov artropódmi vyvolaných ochorení. Erudovaní vedci vystupujúci prítomným poslucháčom predniesli najnovšie poznatky v študovanej oblasti, od kultivácie bunkových kultúr cez molekulárnu detekciu, MALDI-TOF identifikáciu po identifikáciu artropód, ako aj popis a variabilitu infekcií ktoré prenášajú na ľudí. Teoretické prednášky boli obohatené priamymi praktickými cvičeniami v laboratóriách.

RNDr. Zuzana Sekeyová, PhD.

Mgr. Monuika Boháčsová,

Marseille, Francúzsko, XI/14

Pravidelné stretnutie s Prof. D. Raoultom, DrSc. a jeho kolektívom, Prof. P.R. Fournierom, Prof. O. Mediannikovom etc. Jednanie týkajúce sa prebiehajúcej spolupráce s partnermi pri riešení našich projektov APVV a VEGA, ako aj plánovanie stretnutia ESCCAR skupiny (European Society for Coxiella, Chlamydia, Anaplasma, Rickettsia and Bartonella), ktorej sme členmi, v súvislosti

s prípravou konferencie týkajúcej sa vnútrobunkových baktérií, ktorá sa bude konať v Lausanne, Switzerland v júni v roku 2015.

Štúdium biologického materiálu získaného zo Slovenka. Aktualizácia dosiahnutých výsledkov a konkretizácia riešenia problematiky rickettsií a im podobných vnútrobunkových organizmov, na báze fenotypových a molekulárne biologických porovnávacích parametrov.

RNDr. Eva Varečková, DrSc.

RNDr. František Kostolanský, CSc.

Hamburg, Nemecko (Hientich Pette Institut fur Virologie)

8. – 11. April 2014: Pravidelné výročné stretnutie riešiteľov projektu EU FLU-Pharm, Informácie k dosiahnutým výsledkom.

RNDr. Eva Varečková, DrSc.

RNDr. František Kostolanský, CSc.

RNDr. Ivan Košík, PhD.

13. – 18. September 2014: International ESWI Conference on Influenza, Riga, Lotyšsko. Prezentácia odborných príspevkov.

Ing. Ľudovít Škultéty, PhD.

Praha, Česká republika

Pravidelné stretnutia riešiteľského kolektívu projektu APVV SK-CZ-2013-0215, analýza vzoriek na ultravysokorozlišovacom hmotnostnom spektrometri FT ICR MS a konkretizácia spolupráce s českým partnerom na ďalšie obdobie riešenia projektu.

Taichung, Taiwan 08/2014

Stretnutie riešiteľského kolektívu projektu SAS-NSC JRP 2013/16, konkretizácia spolupráce s taiwanským partnerom na ďalšie obdobie riešenia projektu a príprava vzoriek na hmotnostno-spektrometrické analýzy.

Mgr. Marco Quevedo Diaz, PhD

Marseille, Francúzsko 09-13.6.2014

Návšteva laboratória Dr. Erica Ghigo, PhD HDR, (Directeur de recherche au CNRS, Faculté de Médecine, Marseille, France) v rámci bilaterálneho projektu PICS-CNRS. Spolupraca na projekte „Mechanismy replikácie C. burnetii v hostiteľských bunkách, úloha LPS v prevencii tvorby phagolizozómov“.

Mgr. Maksym Danchenko

Kyjev, Ukrajina 09/2014

Stretnutie riešiteľského kolektívu projektu APVV-740-11, konkretizácia spolupráce s ukrajinským partnerom na ďalšie obdobie riešenia projektu a príprava vzoriek na proteomické analýzy.

prof. RNDr. Silvia Pastoreková, DrSc.

MVDr. Juraj Kopáček, DrSc.

Mgr. Joanna Obacz

Bazilej, Švajčiarsko, 03/2014

Kodaň, Dánsko, 08/2014

Pravidelné stretnutie konzorcia projektu EngCaBra, aktualizácia dosiahnutých výsledkov a konkretizácia spolupráce s partnermi konzorcia na záverečné obdobie riešenia projektu.

prof. RNDr. Silvia Pastoreková, DrSc.

Mainz 03/2014

Pozvaná prednáška na konferencii Nemeckej fyziologickej spoločnosti iniciovala novú spoluprácu s Lekárskou fakultou v Hannoveri.

Mgr. Eliška Švastová, PhD.

RNDr. Martina Takáčová, PhD.

Mykonos 09/2014

Prezentácia najnovších výsledkov na medzinárodnej onkologickej konferencii priniesla nové vedecké kontakty pre potenciálnu spoluprácu.

Mgr. Elena Ondrisková

Brusel 11-12/2014

Pracovný pobyt v laboratóriu Prof. Sonveaux, ktorý je popredným expertom v oblasti výskumu nádorového metabolizmu a s ktorým sme nadviazali neformálnu spoluprácu.

Prehľad údajov o medzinárodnej mobilite pracovníkov organizácie je uvedený v Prílohe E.

Prehľad a údaje o medzinárodných projektoch sú uvedené v kapitole 2 a Prílohe B.

5. Vedná politika

VÚ SAV sa dlhodobo zameriava na riešenie principiálnych otázok a problémov virológie, molekulárnej biológie, mikrobiológie a onkológie a to v súlade s prioritami pracoviska, definovanými v zriaďovacej listine, s primeraným prihliadnutím na najnovší vývoj v jednotlivých vedných disciplínach.

Vedecký záujem sa sústreďuje najmä na objasnenie molekulárno-biologických mechanizmov vírusovej replikácie, vzťahov medzi vírusmi, infikovanými bunkami a hostiteľskými organizmami, pochopenie mechanizmov vírusovej patogenézy, odhalenie funkcie vírusových komponentov, objasnenie imunitných odpovedí na vírusové infekcie, štúdium ekologických aspektov a vývoj postupov na detekciu spoločensky a hospodársky významných vírusov.

Dlhodobú tradíciu má výskum štruktúrno-funkčných vlastností komponentov vonkajšej membrány rickettsií a chlamýdií, charakterizácia nových kmeňov a druhov týchto mikroorganizmov a ich medicínsky a ekologický význam.

V predchádzajúcej dekáde VÚ SAV tiež zintenzívnili výskumné aktivity v oblasti molekulárnej biológie, normálnej a patologickej fyziológie a onkológie, súvisiace s vedeckým zámerom, ktorý vznikol na pôde ústavu a viedol k získaniu viacerých originálnych výsledkov. Jedná sa hlavne o onkologický výskum v oblasti nádorovej hypoxie, kde má ústav vďaka objavu Karbonickej anhydrázy IX ako markera hypoxie, popredné postavenie vo svete.

Vo VÚ SAV sa začali rozvíjať aktivity translačného charakteru v oblasti molekulárnej medicíny, a to najmä v podobe uplatňovania najnovších metodík molekulárnej biológie na vývoj detekčných testov vhodných na rýchlu a citlivú diagnostiku vírusových a nádorových ochorení. V poslednom období sa ústav snaží aktívnejšie rozvíjať spoluprácu so súkromným sektorom s cieľom zintenzívnenia zavádzania poznatkov vedy a výskumu do praxe.

Virologický ústav SAV, má dlhodobo jasné vedné smerovanie vyplývajúce zo zamerania aktivít jednotlivých oddelení. Výsledkom týchto aktivít sú každoročne kvalitné vedecké výsledky, zhmotnené najmä publikačnými výstupmi. Dôležitá je skutočnosť, že ústavu sa darí zvyšovať kvalitu publikovaných prác, vyjadrenú najmä impakt faktorom časopisov a citačným ohlasom na tieto práce.

Ústav venuje veľkú pozornosť mladej generácii a omladzovaniu vedeckých kádrov. V rámci vedeckej výchovy sa na ústave v priebehu roka školí okolo 20–25 doktorandov, pričom každoročne sa vypisujú prijímacie pohovory na cca 5 nových miest interného doktorandského štúdia. Ústav sa snaží najlepších doktorandov zamestnať, aby prioritne uplatnili svoje vedomosti a získané skúsenosti pri riešení projektov VÚ SAV. V snahe získať mladých adeptov vedy sa pracovníci ústavu aktívne zapájajú aj do pedagogickej činnosti na univerzitách (prednášky, cvičenia, vedenie diplomových prác, preddiplomová prax) a propagujú výsledky vedeckej činnosti (médiá, konferencie, semináre, letné školy, dni otvorených dverí).

Pre zabezpečenie súčasnej pozície a jej perspektívne zlepšenie Virologický ústav SAV:

- rozvíja aktívnu spoluprácu so zodpovedajúcimi inštitúciami na Slovensku a v zahraničí
- buduje nové a modernizuje existujúce laboratóriá
- podporuje publikovanie zásadných výsledkov v uznávaných vedeckých časopisoch
- intenzívne sa venuje výchove doktorandov a najlepších následne zamestnáva
- VÚ SAV podporuje primeranú súťaživosť v rámci ústavu hodnotením výkonnosti vedeckých pracovníkov čím podporuje ich vedecko-kariérny rast

Virologický ústav SAV bol v rámci posledného pravidelného hodnotenia vedeckých organizácií SAV (akreditácií) zaradený do najvyššej kategórie A), čo svedčí o vysokej kvalite vedecko-výskumnej práce a ostatných zohľadňovaných ukazovateľov.

6. Spolupráca s univerzitami/vysokými školami, štátnymi a neziskovými inštitúciami okrem aktivít uvedených v kap. 2, 3, 4

6.1. Spolupráca s univerzitami/VŠ (fakultami)

Názov univerzity/vysokej školy a fakulty: Lekárska fakulta UK v Bratislave

Druh spolupráce (spoločné pracovisko alebo iné): pedagogická činnosť a spoločné projekty VRGA

Začiatok spolupráce: 2008

Zameranie: prednášky pre PhD študentov a riešenie projektov

Zhodnotenie: pracovníci VÚ SAV sa zapájajú do pedagogického procesu vedením diplomových prác a formou prednášok pre PhD študentov; tieto aktivity prispievajú k rozvíjaniu spolupráce s klinickou praxou, do ktorej absolventi LF UK neskôr nastupujú a ich výsledkom sú spoločné publikácie; pri riešení projektov VEGA sa podporuje translačný aspekt výskumu a vznikajú spoločné publikačné výstupy;

Názov univerzity/vysokej školy a fakulty: Prírodovedecká fakulta UK

Druh spolupráce (spoločné pracovisko alebo iné): vo VÚ SAV sídli časť Katedry mikrobiológie a virológie

Začiatok spolupráce: 1988

Zameranie: virológia a mikrobiológia

Zhodnotenie: spolupráca je obojstranne výhodná a prináša spoločné projekty a publikácie.

Názov univerzity/vysokej školy a fakulty: Prírodovedecká fakulta UK

Druh spolupráce (spoločné pracovisko alebo iné): pedagogická činnosť

Začiatok spolupráce: 1994

Zameranie: prednášky, semináre a cvičenia na Katedre mikrobiológie a virológie, Katedre molekulárnej biológie, Katedre biochémie, Katedre genetiky

Zhodnotenie: pracovníci VÚ SAV sa zapájajú do pedagogického procesu vedením bakalárskych, diplomových prác a formou semestrálnych prednášok, seminárov a cvičení pre študentov bakalárskeho a magisterského stupňa vysokoškolského vzdelávania, získavajú tak pre svoje výskumné tímy talentovaných mladých vedeckých pracovníkov, ktorým zároveň odovzdávajú svoje skúsenosti;

Názov univerzity/vysokej školy a fakulty: Univerzita Komenského v Bratislave

Druh spolupráce (spoločné pracovisko alebo iné): spoločné projekty ŠF EÚ

Začiatok spolupráce: 2009

Zameranie: translačný výskum v biomedicíne

Zhodnotenie: partnerská spolupráca v rámci nasledujúcich projektov ŠF: TRANSMED 1 a 2; BIOMAKRO 1 a 2; Kompetenčné centrum, jej výsledkom je efektívna kooperácia pri využívaní modernej prístrojovej infraštruktúry a spoločné vedecké výstupy.

6.2. Významné aplikácie výsledkov výskumu v spoločenskej praxi alebo vyriešenie problému pre štátnu alebo neziskovú inštitúciu

v sledovanom období žiadne

6.3. Iná činnosť využiteľná pre potreby spoločenskej praxe

v sledovanom období žiadne

7. Spolupráca s aplikačnou a hospodárskou sférou okrem aktivít uvedených v kap. 2, 3, 4

7.1. Spoločné pracoviská s aplikačnou sférou

Názov pracoviska: **Priemyselný výskum v klinickej diagnostike infekčných patogénov**

Partner: **BioScience Slovakia, s.r.o.**

Zameranie: **Spoločné pracovisko, "Centrum pre inovačný výskum protinádorových a protivírusových stratégií" v rámci projektov ŠF financovaných z ERDF**

Rok založenia: **2012**

7.2. Kontraktový – zmluvný výskum (vrátane zahraničných kontraktov)

Názov kontraktu: **Zmluvná vedecko - technická spolupráca**

Partner: **HSC Development GmbH**

Začiatok spolupráce (v súlade s podpísaným kontraktom): **2013**

Ukončenie spolupráce (ak ide o spoluprácu v krátkom období): **2015**

Objem získaných prostriedkov v bežnom roku (€): 0

Stručný opis výstupu/výsledku: **Testovanie antivírusových preparátov in vitro a in vivo**

Názov kontraktu: **Testovanie antivírusového účinku Jodidu draselného a sodného 2 % - ného a Jodidu draselného 2 %- ného voči vírusu Herpes simplex 1 (HSV-1)**

Partner: **UNIMED PHARMA, spol. s r.o.**

Začiatok spolupráce (v súlade s podpísaným kontraktom): **2014**

Ukončenie spolupráce (ak ide o spoluprácu v krátkom období): **2015**

Objem získaných prostriedkov v bežnom roku (€): 0

Stručný opis výstupu/výsledku: Na základe dohody so zmluvným partnerom budú výsledky zverejnené až po ukončení testovania.

7.3. Iná činnosť využiteľná pre potreby hospodárskej praxe

Laboratórium diagnostiky a prevencie rickettsiových a chlamýdiových nákaz, sa v rámci vedecko-technickej spolupráce vyvíjajú a pripravujú diagnostické prípravky pre jednoduchú, rýchlu a spoľahlivú diagnostiku ochorení rickettsiového a chlamýdiového pôvodu. Najmä v oblasti diagnostiky Q horúčky je k dispozícii celá paleta diagnostických prípravkov umožňujúca širokú škálu sérologických vyšetrení na špičkovej úrovni. Pre potreby praxe sa vyvíjajú aj prípravky na diagnostiku iných rickettsiových nákaz zo skupiny ochorení týfusového pôvodu. Osobitný význam má vývoj/produkcia diagnostických prípravkov pre diagnostiku chlamýdiových infekcií vzhľadom na ich hojný výskyt u nás a vo svete. Laboratórium poskytuje vzorky diagnostických prípravkov, poradenskú a technickú pomoc.

8. Aktivity pre Národnú radu SR, vládu SR, ústredné orgány štátnej správy SR a iné organizácie

8.1. Členstvo v poradných zboroch vlády SR, Národnej rady SR, ministerstiev SR, orgánoch EÚ, EP, NATO a pod.

Tabuľka 8a: členstvo v poradných zboroch Národnej rady SR, vlády SR, ministerstiev SR, orgánoch EÚ, EP, NATO a pod.

Meno pracovníka	Názov orgánu	Funkcia
Fedor Čiampor	Global Forum for Health Research	člen
	Rada APVV pre MVTs a do 7RP	predseda
	Interacademy Medical Panel	člen
Juraj Kopáček	Národná odborná vedecká skupina, Európsky úrad pre bezpečnosť potravín (EFSA)	člen
Otakar Kúdela	Slovenská národná akreditačná služba	expert
	Národné vedecké skupiny EFSA	člen
Marcela Kúdelová	Slovenská národná akreditačná služba	expert
	Slovenská národná akreditačná služba	posudzovateľ
Jaromír Pastorek	Rada vlády pre vedu a techniku	člen
	Rada vlády pre znalostnú spoločnosť	člen
Silvia Pastoreková	Pracovná skupina pre prioritné oblasti aplikovaného výskumu a experimentálneho vývoja - biomedicínu a biotechnológie, Ministerstvo školstva, vedy, výskumu a športu SR	člen
	Slovenská komisia pre vedecké hodnosti	podpredsedníčka

Rudolf Toman	Európska sieť prevencie kriminality	zástupca SR
	Národná sieť prevencie kriminality	zástupca SAV

8.2. Expertízna činnosť a iné služby pre štátnu správu a samosprávy

Názov expertízy: akreditácia, reakreditácia a dohľad v medicínskych a skúšobných laboratóriách laboratóriách SR

Adresát expertízy: Slovenská národná akreditačná služba

Spracoval: RNDr. Marcela Kúdelová, DrSc.

Stručný opis:

- posudok výkonu akreditovaných skúšok pri reakreditácii činnosti medicínskeho laboratória 5x
- posudok výkonu akreditovaných skúšok pri dohľade činnosti medicínskeho laboratória 4x
- posudok výkonu akreditovaných skúšok pri dohľade činnosti skúšobného laboratória 1x

8.3. Členstvo v radách štátnych programov a podprogramov ŠPVV a ŠO

Tabuľka 8b : členstvo v radách štátnych programov a podprogramov ŠPVV a ŠO

Meno pracovníka	Názov orgánu	Funkcia
-----------------	--------------	---------

8.4. Prehľad aktuálnych spoločenských problémov, ktoré riešilo pracovisko v spolupráci s Kanceláriou prezidenta SR, s vládnyimi a parlamentnými orgánmi alebo pre ich potrebu

v sledovanom období žiadne

9. Vedecko-organizačné a popularizačné aktivity

9.1. Vedecko-popularizačná činnosť

9.1.1. Najvýznamnejšia vedecko-popularizačná činnosť pracovníkov VÚ SAV

Tabuľka 9a: vedecko-popularizačná činnosť pracovníkov VÚ SAV

Meno	Spoluautori	Typ ¹	Názov	Miesto zverejnenia	Dátum alebo počet za rok
Štibrániová Iveta	Pavína Bartíková Holíková Viera Havlíková Sabína Ličková Martina Monika Sláviková	iné	Európska noc výskumníkov 2014	Bratislava, Stará tržnica	26.9.2014
Tatiana Betáková	Martina Utešená	TL	Strach zo zabijaka	Plus 7 dní	23.10.2014
Tatiana Betáková	Sabína Nagyová	TL	Ebola je už v Európe. Naše úrady ju zatiaľ len sledujú	Pravda	8.10.2014
Fedor Čiampor		RO	Ebola	RTVS	8.10.2014
		TV	Ebola: Na aktuálnu tému	TA3	15.10.2014
		RO	Hrozba infekcie MERS: Téma dňa	SRO 1	14.5.2014

		RO	Obrovské vírusy na Sibíri: Téma dňa	SRO 1	10.3.2014
		RO	Osobnosti: Pod Pyramídou, Nočné rozhovory	SRO 1	26.3.2014
		TL	Otázky o ebrole	TASR	23.10.2014
		TL	Az ebola az új testis ?	UDSZÓ	1
		TL	Libéria pre ebolu uzatvára hranice. Zomierajú aj lekári.	SME	1
		TL	Proti ebrole nemáme očkovanie ani účinné antivirotiká	SME	1
		TL	Vírusy. Názor virológa.	Zdravie	1
		TV	Varicelle u dospelých	Markíza	22.12.2014
Boris Klempa		PB	Prednáška v rámci série SAVinci vedecká kaviareň	KC Dunaj, Bratislava	9.9.2014
		TV	Rozhovor na živo v relácii Noviny o dvanástej	TV JOJ	12.7.2014
		TV	Rozhovor na živo v relácii Pod lampou	Televízia RVTSDvojka, https://www.youtube.com/watch?v=4cQcEvUfeX8	23.10.2014
		RO	Rozhovor na živo v relácii Ráno na eFeMke	Rádio FM	5.9.2014
		TL	Rozhovor pre denník Korzár	http://kosice.korzar.sme.sk/c/7436856/pribuzny-eboly-sa-siri-najma-vychodnym-slovenskom.html	14.10.2014
		IN	Rozhovor pre portál www.science.sk	http://www.science.sk/clanky-a-rozhovory/ziva-priroda-a-chemicke-vedy/biologia-a-chemia/5072-pre-ebolu-znamename-evolucnu-spiatocku	4.9.2014
		RO	Rozhovor pre rádio Express s videom na www.expres.sk	Rádio Expres, http://www.expres.sk/17411/za-prudke-sirenje	10.9.2014

				eboly-moze-chudoba/	
		TL	Rozhovor pre víkendovú prílohu denníka Pravda	Denník Pravda, http://zurnal.pravda.sk/rozhovory/clanok/327258-clovek-je-pre-ebolu-slepou-ulickou/	16.7.2014
		TL	Rozhovor pre víkendovú prílohu denníka SME	http://tech.sme.sk/c/7419866/virolog-neviem-si-predstavit-ako-zastavime-ebolu.html	3.10.2014
		TL	Rozhovor pre Zdravotnícke noviny	Zdravotnícke noviny, http://mediweb.hnonline.sk/spravy/aktualne/ebola-potrebuje-teplo-vlhko-nezmysel	13.11.2014
		RO	Telefonický rozhovor pre Slovenský rozhlas	Slovenský rozhlas	18.7.2014
		TV	Účasť v relácii Rozhovory cez polnoc	TV TA3, http://www.ta3.com/clanok/1051235/neviditelni-zabijaci.html	22.11.2014
		IN	Video rozhovor pre portál www.tyzden.sk	http://video.tyzden.sk/eugen-korda/2014/10/08/ebolaebola-ebola/	8.10.2014
		TV	Vystúpenie v relácii Dobré ráno TV JOJ	TV JOJ	15.7.2014
		TV	Vystúpenie v relácii Správy a komentáre v RVTs na Dvojke	RVTs, http://www.rvts.sk/televizia/archiv/90/	6.10.2014
Ivan Košík		TV	Interview o faktoroch ovplyvňujúcich potenciálnu epidémiu chrípky na Slovensku	TN Markíza	17.2.2014
		TV	Reportáž o ebole	TN Markíza	5.8.2014
		TV	Reportáž o ebole	TV Markíza, relácia reflex	15.8.2014
		TV	Reportáž o ebole a podmienkach výskumu eboly	TN JOJ	5.8.2014
		TV	Reportáž o potrebe	TN Markíza	7.4.2014

			preočkovania sa proti kliešťovej encefalitíde		
		TV	Reportáž o vakcinácií proti kliešťovej encefalitíde	TN o 17:00 Markíza	7.4.2014
		RO	Rozhovor do živého vysielania o vakcíne proti ebole	Slovenský rozhlas	10.6.2014
		PB	Vzkriesenie španielskej chrípky	Stredné odborné učilište potravinárske II	11.5.2014
		PB	Vzkriesenie španielskej chrípky	Stredné odborné učilište potravinárske II	10.4.2014
	Práznovská, Hollý, Košíková Vozárová	PB	Týždeň vedy a techniky na Slovensku 2014	CVTI Bratislava	10.11.2014
	Práznovská, Hollý Košíková Vozárová	PB	Noc výskumníkov 2014	Stará tržnica, Bratislava	26.09.2014
Eva Špitalská		iné	Noc výskumníkov 2014	Stará tržnica Bratislava	26.9.2014
Miroslav Glasa		TL	Výskum rastlinných vírusov je behom na dlhé trate	Sady a Vinice 5-6/2014, str. 28-29	1

¹ PB - prednáška/beseda, TL - tlač, TV - televízia, RO - rozhlas, IN - internet, EX - exkurzia, PU - publikácia, MM - multimédiá, DO - dokumentárny film

9.1.2. Súhrnné počty vedecko-popularizačných činností VÚ SAV

Tabuľka 9b: súhrnné počty vedecko-popularizačných činností organizácie SAV

Typ	Počet	Typ	Počet	Typ	Počet
prednášky/besedy	8	tlač	13	TV	10
rozhlas	10	internet	2	exkurzie	0
publikácie	0	multimediálne nosiče	0	dokumentárne filmy	0
iné	11				

9.2. Vedecko-organizačná činnosť

Tabuľka 9c: vedecko-organizačná činnosť

Názov podujatia	Domáca/ medzinárodná	Miesto	Dátum konania	Počet účastníkov
5. ročník konferencie Medzinárodnej spoločnosti pre protónovú dynamiku v nádoroch (ISPDC)	medzinárodná	Kongresové centrum SAV Smolenice	08.10.-11.10.2014	80

9.3. Účasť na výstavách

v sledovanom období žiadna

9.4. Účasť v programových a organizačných výboroch národných konferencií

Tabuľka 9d : programové a organizačné výbory národných konferencií

Typ výboru	Programový	Organizačný	Programový i organizačný
Počet členstiev	0	0	0

9.5. Členstvo v redakčných radách časopisov

- **RNDr. Tatiana Betáková, CSc.**

Journal of Infectious Diseases and Therapeutics - člen

The Open Journal of Virology (ISSN: 1874-3579) - člen

The Scientific World Journal - člen

- **prof. MUDr. Fedor Čiampor, DrSc.**

Acta virologica - člen

Bulletin Československej spoločnosti mikrobiologickej - člen

Communicative and Integrative Biology - člen

Folia medica - člen

Voprosy virusologii - člen

- **RNDr. Boris Klempa, PhD.**

Medical Virology - člen r

- **RNDr. Marcela Kúdelová, DrSc.**

Scientific Journal of Genetics and Gene Therapy - člen edičnej rady

- **RNDr. Martina Labudová, PhD.**

Acta Virologica - editor

- **prof. RNDr. Jaromír Pastorek, DrSc.**

Acta Virologica - člen

- **prof. RNDr. Silvia Pastoreková, DrSc.**

Frontiers in Molecular and Cellular Oncology - člen

Journal of Enzyme Inhibition and Medicinal Chemistry - člen

- **Mgr. Katarína Polčicová, PhD.**

Acta virologica - editor

- **RNDr. Gustáv Russ, DrSc.**

Acta virologica - hlavný redaktor)

- **RNDr. Vladimír Zelník, CSc.**

Acta Virologica - člen

9.6. Činnosť v domácich vedeckých spoločnostiach

- **Mgr. Pavlína Bartíková, PhD.**

Slovenská parazitologická spoločnosť pri SAV - člen

- **RNDr. Martin Benej**

Slovenská spoločnosť pre biochémiu a molekulárnu biológiu - člen

- **prof. MUDr. Fedor Čiampor, DrSc.**

Slovenská akademická spoločnosť - člen hlavného výboru

- **Ing. Miroslav Glasa, PhD.**

Slovenská rastlinolekárska spoločnosť - člen

- **RNDr. Sabína Havlíková, PhD.**

Slovenská parazitologická spoločnosť pri SAV - člen

- **RNDr. Elena Kocianová, DrSc.**

Slovenská parazitologická spoločnosť - člen predsedníctva)

- **MVDr. Juraj Kopáček, DrSc.**

Slovenská spoločnosť pre biochémiu a molekulárnu biológiu - člen

- **RNDr. Otakar Kúdela, CSc.**

Slovenská rastlinolekárska spoločnosť - podpredseda

- **RNDr. Marcela Kúdelová, DrSc.**

Slovenská spoločnosť pre biochémiu a molekulárnu biológiu - člen

- **prof. RNDr. Jela Mistríková, DrSc.**

Slovenská imunologická spoločnosť - člen

- **prof. RNDr. Jaromír Pastorek, DrSc.**

Slovenská spoločnosť pre biochémiu a molekulárnu biológiu - člen
Učená spoločnosť SAV - člen

- **prof. RNDr. Silvia Pastoreková, DrSc.**

Slovenská spoločnosť pre biochémiu a molekulárnu biológiu - člen
Učená spoločnosť SAV - člen

- **RNDr. Zuzana Sekeyová, PhD.**

Slovenská parazitologická spoločnosť - člen

- **RNDr. Monika Sláviková, PhD.**

Slovenská parazitologická spoločnosť - člen

- **Mgr. Eva Špitalská, PhD.**

Slovenská parazitologická spoločnosť pri SAV - člen

▪ **Mgr. Iveta Štibrániová, PhD.**

Slovenská parazitologická spoločnosť pri SAV - člen

▪ **RNDr. Eva Varečková, DrSc.**

Slovenská biochemická spoločnosť - člen

9.7. Iné dôležité informácie o vedecko-organizačných a popularizačných aktivitách

V rámci svojej vedeckej činnosti viacerí vedeckí pracovníci ústavu absolvovali množstvo krátkych rozhovorov a vstupov pre RTVS neevadovaných a neuvádzaných v tejto VS , pričom sa väčšinou jednalo o ich odborné stanoviská k aktuálnym medicínsko - virologickým problémom, ktorým v hodnotenom období „kraľovala“ problematika eboly.

10. Činnosť knižnično-informačného pracoviska

10.1. Knižničný fond

Tabuľka 10a: knižničný fond

Knižničné jednotky spolu		36 050
z toho	knihy a zviazané periodiká	36 050
	audiovizuálne dokumenty	0
	elektronické dokumenty (vrátane digitálnych)	0
	mikroformy	0
	iné špeciálne dokumenty - dizertácie, výskumné správy	
Počet titulov dochádzajúcich periodík		8
z toho zahraničné periodiká		6
Ročný prírastok knižničných jednotiek		32
v tom	kúpou	28
	darom	1
	výmenou	3
	bezodplatným prevodom	0
Úbytky knižničných jednotiek		0
Knižničné jednotky spracované automatizovane		36 050

10.2. Výpožičky a služby

Tabuľka 10b: výpožičky a služby

Výpožičky spolu		245
z toho	odborná literatúra pre dospelých	90
	výpožičky periodík	80

	prezenčné výpožičky	75
MVS iným knižniciam		18
MVS z iných knižníc		2
MMVS iným knižniciam		0
MMVS z iných knižníc		0
Počet vypracovaných bibliografií		4
Počet vypracovaných rešerší		65

10.3. Používatelia

Tabuľka 10c: užívatelia

Registrovaní používatelia	89
Návštevníci knižnice spolu (bez návštevníkov podujatí)	749

10.4. Iné údaje

Tabuľka 10d: iné údaje

On-line katalóg knižnice na internete (1=áno, 0=nie)	0
Náklady na nákup knižničného fondu v €	1 975,48

10.5. Iné informácie o knižničnej činnosti

Jedná sa o základné informačné stredisko s jednou pracovníčkou s plným pracovným úväzkom.

Prehľad poskytovaných knižnično-informačných služieb:

- absenčné a prezenčné výpožičné služby
- medziknižničná a medzinárodná medziknižničná výpožičná služba
- rešeršné služby z databáz v sieti SAV, Medline, Scopus, Current Contents
- automatizované spracovanie publikačnej činnosti pracovníkov VU SAV v databáze ARL
- reprografické služby

11. Aktivity v orgánoch SAV

11.1. Členstvo vo Výbore Snemu SAV

v sledovanom období žiadne

11.2. Členstvo v Predsedníctve SAV a vo Vedeckej rade SAV

- **prof. RNDr. Jaromír Pastorek, DrSc.**
predseda SAV

11.3. Členstvo vo vedeckých kolégiách SAV

- **prof. MUDr. Fedor Čiampor, DrSc.**
VK SAV pre lekárske vedy - člen
- **Ing. Miroslav Glasa, PhD.**
VK SAV pre biologicko-ekologické vedy - člen
- **MVDr. Juraj Kopáček, DrSc.**
VK SAV pre molekulárnu biológiu a genetiku - člen
- **Ing. Ľudovít Škultéty, PhD.**
VK SAV pre chemické vedy - člen

11.4. Členstvo v komisiách SAV

- **RNDr. Ján Košovský, CSc.**
Komisia SAV pre životné prostredie - člen
- **prof. RNDr. Silvia Pastoreková, DrSc.**
Komisia SAV pre posudzovanie vedeckej kvalifikácie zamestnancov SAV – podpredseda
- **Ing. Miroslav Glasa, PhD.**
Komisia SAV pre zahraničné styky - člen
- **Ing. Ľudovít Škultéty, PhD.**
Komisia SAV pre infraštruktúru a štrukturálne fondy - člen

11.5. Členstvo v orgánoch VEGA

- **RNDr. Tatiana Betáková, CSc.**
Komisia VEGA pre lekárske a farmaceutické vedy - člen
- **MVDr. Juraj Kopáček, DrSc.**
komisia VEGA pre biologické vedy - člen
- **prof. RNDr. Jela Mistríková, DrSc.**
Komisia VEGA pre lekárske a farmaceutické vedy - člen
- **Ing. Ľudovít Škultéty, PhD.**
komisia VEGA pre chemické vedy - člen
- **RNDr. Zdeno Šubr, CSc.**
Komisia VEGA pre pôdohospodárske, veterinárske a drevárske vedy - člen

12. Hospodárenie VÚ SAV

12.1. Výdavky VÚ SAV ako RO

Tabuľka 12a: výdavky VÚ SAV (v €)

V ý d a v k y	Skutočnosť k 31.12.2014 spolu	v tom:			
		zo ŠR	z toho:	z mimorozp. zdrojov	z toho:
			ŠF EÚ vr. spolufina n. zo ŠR		ŠF EÚ vr. spolufinan. zo ŠR
Výdavky spolu	3063015,47	1445690,54	39587,54	1617324,93	802096,20
Bežné výdavky	2594095,80	1445690,54	39587,54	1148405,26	352744,92
v tom:					
mzdy (610)	1130304,33	927891,95	29361,95	202412,38	39433,29
poistné a príspevkov do poisťovní (620)	210947,33	131485,59	10225,59	79461,74	13563,50
tovary a služby (630)	1048619,68	258797,00	-	789822,68	299748,13
z toho: časopisy	9866,00	9866,00	-	-	-
VEGA projekty	184882,00	184882,00	-	-	-
MVTS projekty	17850,00	17850,00	-	-	-
CE	5000,00	5000,00	-	-	-
vedecká výchova	8160,00	8160,00	-	-	-
bežné transfery (640)	204224,46	127516,00	-	76708,46	-
z toho: štipendiá	127516,00	127516,00	-	-	-
transfery partnerom projektov	74415,66	-	-	74415,66	-
Kapitálové výdavky	468919,67	-	-	468919,67	449351,28
v tom:					
obstarávanie kapitálových aktív	468919,67	-	-	-	-
kapitálové transfery	-	-	-	19568,39	449351,28
z toho: transfery partnerom projektov	-	-	-	-	-

12.2. Príjmy VÚ SAV ako RO

Tabuľka 12b: príjmy VÚ SAV (v €)

P r í j m y	Skutočnosť k 31.12.2014 spolu	v tom:	
		rozpočtové	z mimorozpočtových zdrojov
Príjmy spolu	1478534,68	11783,00	1466751,68
Nedaňové príjmy	11783,00	11783,00	-
v tom:			
príjmy z prenájmu	10195,55	10195,55	-
príjmy z predaja výrobkov a služieb	-	-	-
iné	1587,45	1587,45	-
Granty a transfery (mimo zdroja 111)	1466751,68		1466751,68
v tom:			
tuzemské	1316878,09	-	1316878,09
z toho: APVV	477576,00	-	477576,00
iné	60250,00	-	60250,00
zahraničné	89623,59	-	89623,59
z toho: projekty rámcového programu EÚ	34125,00	-	34125,00
iné	-	-	-

13. Nadácie a fondy pri VÚ SAV

V sledovanom období roka 2014 vo VÚ SAV nerealizovala svoju činnosť žiadna nadácia.

14. Iné významné činnosti VÚ SAV

VÚ SAV je:

- sídlom redakcie medzinárodného časopisu Acta virologica evidovaného v Current Contents
- sídlom Komisie pre obhajoby doktorských dizertačných prác v odbore virológia
- zmluvným partnerom v oblasti skúšobnej činnosti s Ústredným kontrolným a skúšobným ústavom poľnohospodárskym v Bratislave
- členom Global Outbreak Alert and Response network, ktorá pracuje pod záštitou Svetovej zdravotníckej organizácie (WHO).

VÚ SAV má spoločné pracoviská s:

- Katedrou mikrobiológie a virológie PF UK v Bratislave
- Ústavom zoológie SAV

- Bioscience Slovakia s.r.o.
- Slovenským registrom placentárnych a zárodočných buniek EUROCORD
- Ústavom experimentálnej endokrinológie SAV
- Ústavom experimentálnej onkológie SAV
- Ústavom molekulárnej fyziológie a genetiky SAV
- Ústavom molekulárnej biológie SAV
- Ústavom biochémie a genetiky živočíchov SAV
- Prírodovedeckou fakultou UK
- Lekárskou fakultou UK

15. Vyznamenania, ocenenia a ceny udelené pracovníkom VÚ SAV v roku 2014

15.1. Domáce ocenenia

15.1.1. Ocenenia SAV

- **Takáčová Martina**

Mladý vedecký pracovník SAV do 35 rokov

Oceňovateľ: Predsedníctvo SAV

Opis: 3. miesto - II. oddelenie vied

15.1.2. Iné domáce ocenenia

- **Kabát Peter**

Pamätná medaila TTSK

Oceňovateľ: Trnavský samosprávny kraj

Opis: Ocenenie sa udeľuje za vedecký prínos v oblasti biológie

- **Takáčová Martina**

Najlepší poster

Oceňovateľ: Československá biologická spoločnosť

Opis: 2. cena - XXI. Biologické dny. Pokroky a výzvy súčasné nádorové biologie. Brno

- **Martin Benej, doktorand**

2. cena

Oceňovateľ: Nadácia pre výskum rakoviny pri ÚEO SAV

Opis: Súťaž mladých onkológov

15.2. Medzinárodné ocenenia

v sledovanom období žiadne

16. Poskytovanie informácií v súlade so zákonom č. 211/2000 Z. z. o slobodnom prístupe k informáciám v znení neskorších predpisov (Zákon o slobode informácií)

V sledovanom období roka 2014 nebola priamo a ani iným spôsobom VÚ SAV podaná, či postúpená žiadosť o poskytnutie informácií v súlade so zákonom o slobodnom prístupe k informáciám.

17. Problémy a podnety pre činnosť SAV

Problémy pracoviska:

Súvisia a do určitej miery kopírujú celkovú situáciu vedy na Slovensku. Problémom je neštandardne fungujúci grantový systém, kde chýba pravidelnosť vyhlasovania najmä všeobecných výziev APVV. Špecifickým problémom so stúpajúcou tendenciou je administratívna záťaž súvisiaca už nie len s riešením projektov ŠF ale aj APVV. Toto spôsobuje problémy s dodržiavaním jednotlivých aktivít naplánovaných v projektoch. Pracovníci Virologického ústavu vynakladajú mimoriadnu snahu, aby bolo možné projekty riešiť v rámci schválených harmonogramov.

Podnety pre činnosť SAV:

Ako sa píše vyššie, situácia vo financovaní vedy na Slovensku je problematická a nestabilná. Preto navrhujeme určité opatrenia na zefektívnenie vynaložených prostriedkov.

Vzhľadom k tomu, že VEGA neposkytuje mzdové prostriedky, považujeme za spravodlivejšie, keby množstvo poskytnutých finančných prostriedkov na riešenie projektu nebolo pevne naviazané na riešiteľskú kapacitu kolektívu. Riešiteľská kapacita by mala byť iba sekundárnym ukazovateľom množstva pridelených financií, pričom najväčšia váha (80%) by mala byť prikladaná na kvalitu návrhu projektu, experimentálnu náročnosť projektu, kvalitu vedúceho riešiteľa a/alebo výsledky riešenia jeho predchádzajúcich projektov.

VÚ SAV v plnej miere podporuje význam medzinárodnej spolupráce a význam možnosti priameho kontaktu so zahraničnými kolegami. Vzhľadom k tomu, že systému mobilitných vyslaní na základe špecifických centrálnych dohôd (MAD) chýba v mnohých prípadoch spätná väzba a podmienky vyslaní sú v závislosti na krajine rôzne, navrhujeme prehodnotiť efektivitu finančných prostriedkov pridelených v rámci medziakademických dohôd na mobilitu vedeckých pracovníkov. Naopak, významnou možnosťou zapojenia sa do medzinárodných výskumných sietí sú projekty COST, ktorých schvaľovanie je kompetitívne a akceptácia do konzorcia vyžaduje projektové krytie, zaručujúce efektivitu spolupráce. Nakoľko projekt COST môže byť výrazným impulzom pre kreovanie následných európskych projektov, navrhujeme prehodnotiť možnosť jeho väčšej podpory zo strany Predsedníctva SAV.

Správu o činnosti organizácie SAV spracoval(i):

JUDr. Iveta Šárniková, 02/ 59302 400
RNDr. Tatiana Betáková, CSc., 02/59302 440
Mgr. Eva Kastel, 02/ 59302 414

MVDr. Juraj **Kopáček**, DrSc.
riaditeľ ústavu

Výročná správa bola prerokovaná vo Vedeckej rade VÚ SAV dňa 26.01.2015

Ing. Miroslav **Glas**, PhD.
predseda VR VÚ SAV

Zoznam zamestnancov a doktorandov VÚ SAV k 31.12.2014**Zoznam zamestnancov podľa štruktúry** (nadväzne na údaje v Tabuľke 1a)

	Meno s titulmi	Úväzok (v %)	Ročný prepočítaný úväzok
Vedúci vedeckí pracovníci DrSc.			
1.	prof. MUDr. Fedor Čiampor, DrSc.	20	0.20
2.	RNDr. Elena Kocianová, DrSc.	50	0.50
3.	MVDr. Juraj Kopáček, DrSc.	100	1.00
4.	RNDr. Marcela Kúdelová, DrSc.	100	1.00
5.	prof. RNDr. Jela Mistríková, DrSc.	10	0.10
6.	prof. RNDr. Silvia Pastoreková, DrSc.	100	1.00
7.	RNDr. Gustáv Russ, DrSc.	20	0.20
8.	Ing. Rudolf Toman, PhD, DrSc.	40	0.40
9.	RNDr. Eva Varečková, DrSc.	100	1.00
Samostatní vedeckí pracovníci			
1.	RNDr. Monika Baráthová, PhD.	60	0.20
2.	Mgr. Pavlína Bartíková, PhD.	100	1.00
3.	RNDr. Tatiana Betáková, CSc.	100	1.00
4.	RNDr. Lucia Csáderová, PhD.	26	0.26
5.	RNDr. Adriana Gibadulinová, CSc.	100	1.00
6.	Ing. Miroslav Glasa, PhD.	100	1.00
7.	Ing. Martin Hajduch, PhD.	30	0.30
8.	doc. RNDr. Peter Kabát, CSc.	10	0.10
9.	RNDr. Boris Klempa, PhD.	100	1.00
10.	RNDr. František Kostolanský, CSc.	100	1.00
11.	RNDr. Ján Košovský, CSc.	48	0.48
12.	RNDr. Otakar Kúdela, CSc.	100	1.00
13.	RNDr. Tatiana Mikušková, PhD.	100	0.00
14.	RNDr. Vojtech Mucha, CSc.	10	0.10
15.	Ing. Slavomíra Nováková, PhD.	100	1.00
16.	Mgr. Marco Quevedo Diaz, PhD.	100	1.00
17.	RNDr. Ingeborg Režuchová, PhD.	100	1.00
18.	RNDr. Zuzana Sekeyová, PhD.	100	1.00
19.	Ing. Ľudovít Škultéty, PhD.	100	1.00

20.	Mgr. Eva Špitalská, PhD.	100	1.00
21.	Mgr. Katarína Štefanidesová, PhD.	100	0.75
22.	Mgr. Iveta Štibrániová, PhD.	100	1.00
23.	RNDr. Zdeno Šubr, CSc.	100	1.00
24.	Mgr. Eliška Švastová, PhD.	100	1.00
25.	RNDr. Martina Takáčová, PhD.	100	1.00
26.	RNDr. Miriam Zaťovičová, CSc.	100	1.00
27.	RNDr. Vladimír Zelník, CSc.	100	1.00
Vedeckí pracovníci			
1.	RNDr. Mária Bartošová, PhD.	100	1.00
2.	RNDr. Slávka Bekešová, PhD.	100	0.00
3.	RNDr. Petra Belvončíková, PhD.	100	0.66
4.	Ing. Peter Ditte, PhD.	100	0.00
5.	Mgr. Gabriela Flores-Ramírez, PhD.	100	1.00
6.	PharmDr. Terézia Goliašová, PhD.	100	0.00
7.	RNDr. Sabína Havlíková, PhD.	100	1.00
8.	Mgr. Alžbeta Hulíková, PhD.	100	0.00
9.	RNDr. Filippo Iuliano, PhD.	100	1.00
10.	RNDr. Juraj Koči, PhD.	100	0.00
11.	RNDr. Kamila Koči, PhD.	100	0.00
12.	RNDr. Ivan Košík, PhD.	100	1.00
13.	RNDr. Martina Košíková, PhD.	100	1.00
14.	RNDr. Martina Labudová, PhD.	100	1.00
15.	RNDr. Katarína Lapošová, PhD.	100	1.00
16.	RNDr. Alžbeta Nagyová, PhD.	100	1.00
17.	Mgr. Ivana Nemčovičová, PhD.	100	1.00
18.	Mgr. Katarína Polčicová, PhD.	100	1.00
19.	Mgr. Lukáš Predajňa, PhD.	100	1.00
20.	Mgr. Peter Radvák, PhD.	24	0.24
21.	RNDr. Monika Sláviková, PhD.	100	1.00
22.	RNDr. Zuzana Staneková, PhD.	100	1.00
23.	RNDr. Veronika Šimko, PhD.	100	1.00
24.	RNDr. Lucia Škvarková, PhD.	100	0.00
25.	RNDr. Petra Švančarová, PhD.	100	1.00
26.	Ing. Jana Tomášková, PhD.	100	1.00

Odborní pracovníci s VŠ vzdelaním			
1.	RNDr. Ľubomíra Bártová	100	1.00
2.	Ing. Silvia Belošicová	100	1.00
3.	Mgr. Tímea Benkóczka	100	0.33
4.	Ing. Eva Boldišová	100	0.00
5.	Mgr. Maksym Danchenko	100	1.00
6.	RNDr. Lenka Jelenská	50	0.50
7.	Mgr. Eva Kastel	100	1.00
8.	RNDr. Lucia Kotlárová	100	1.00
9.	Mgr. Hana Krasoňová	100	1.00
10.	Ing. Marcela Krasulová	100	1.00
11.	Ing. Stela Laušová	100	1.00
12.	RNDr. Martina Ličková	100	1.00
13.	RNDr. Marta Miklošová	100	0.60
14.	RNDr. Ingrid Ovečková	100	1.00
15.	Ing. Katarína Palkovičová	100	0.50
16.	Ing. Ľubica Predajňová	100	1.00
17.	RNDr. Oľga Sedláková	100	1.00
18.	Ing. Darina Svetlíková	100	1.00
19.	JUDr. Iveta Šárniková	100	1.00
20.	RNDr. Katarína Trnková	100	0.00
21.	Mgr. Ivana Vidličková	20	0.20
22.	Mgr. Mária Vozárová	100	0.33
Odborní pracovníci ÚSV			
1.	Margita Benkovičová	100	1.00
2.	Kornel Dobročka	100	1.00
3.	Ľudmila Hasíková	100	1.00
4.	Zuzana Chabroňová	100	1.00
5.	Jana Išová	100	1.00
6.	Viera Jesenská	100	1.00
7.	Radoslav Kohanyi	100	1.00
8.	Alena Kosorinová	100	1.00
9.	Margita Mišovičová	100	1.00
10.	Matilda Némethová	100	1.00
11.	Bc. Eva Nováková	100	1.00

12.	Alena Oravská	100	1.00
13.	Milada Poldaufová	100	1.00
14.	Blažena Rajciová	100	1.00
15.	Marta Siebenstichová	100	1.00
16.	Renáta Szalayová	100	1.00
17.	Kvetoslava Tarábková	100	1.00
18.	Monika Vadovičová	100	0.00
Ostatní pracovníci			
1.	Ing. Vladimír Batelka	80	0.25
2.	Ľudmila Bubničová	100	1.00
3.	Dagmar Cigánová	100	1.00
4.	Stanislav Daniš	100	1.00
5.	Marián Hanczko	100	1.00
6.	Jana Kavalírová	80	0.80
7.	Milan Košut	100	1.00
8.	Dušan Kovarský	80	0.60
9.	Iveta Krajčírová	100	1.00
10.	Alexandra Pobočíková	100	1.00
11.	Vladimír Rojik	100	1.00
12.	Ľubica Sopúšková	100	1.00

Zoznam zamestnancov, ktorí odišli v priebehu roka

	Meno s titulmi	Dátum odchodu	Ročný prepočítaný úväzok
Vedúci vedeckí pracovníci DrSc.			
1.	prof. RNDr. Jaromír Pastorek, DrSc.	31.8.2014	0.50
Vedeckí pracovníci			
1.	RNDr. Ľubomíra Lukáčiková, PhD.	31.1.2014	0.33
2.	Mgr. Peter Pančík, PhD.	15.9.2014	0.80
Odborní pracovníci s VŠ vzdelaním			
1.	Mgr. Viera Holíková	31.8.2014	0.67
2.	Mgr. Martin Kéry	31.8.2014	0.67
3.	Mgr. Soňa Kontseková	15.6.2014	0.50
4.	Mgr. Joanna Agnieszka Obacz	5.10.2014	0.75
Odborní pracovníci ÚSV			
1.	Irena Ginzeryová	31.7.2014	0.58

Zoznam doktorandov

	Meno s titulmi	Škola/fakulta	Študijný odbor
Interní doktorandi hrazení z prostriedkov SAV			
1.	RNDr. Martin Benej	Lekárska fakulta UK	7.1.15 onkológia
2.	Mgr. Lenka Berthová	Prírodovedecká fakulta UK	4.2.7 mikrobiológia
3.	Mgr. Monika Boháčsová	Prírodovedecká fakulta UK	4.2.7 mikrobiológia
4.	Mgr. Petra Bullová	Prírodovedecká fakulta UK	4.2.3 molekulárna biológia
5.	Mgr. Michaela Debreová	Lekárska fakulta UK	7.1.15 onkológia
6.	Mgr. Martina Frimmelová	Prírodovedecká fakulta UK	4.2.7 mikrobiológia
7.	Mgr. Viera Holíková	Univerzita Komenského v Bratislave	4.2.3 molekulárna biológia
8.	Mgr. Jaroslav Hollý	Prírodovedecká fakulta UK	4.2.13 virológia
9.	Mgr. Martin Kéry	Univerzita Komenského v Bratislave	4.2.3 molekulárna biológia
10.	Mgr. Soňa Kontseková	Prírodovedecká fakulta UK	4.2.3 molekulárna biológia
11.	Mgr. Monika Lachová	Prírodovedecká fakulta UK	4.2.13 virológia
12.	Ing. Andrea Maňúrová	Prírodovedecká fakulta UK	4.2.7 mikrobiológia
13.	Mgr. Radka Matúšková	Prírodovedecká fakulta UK	4.2.3 molekulárna biológia
14.	Mgr. Elena Ondrisková	Prírodovedecká fakulta UK	4.2.3 molekulárna biológia
15.	Mgr. Margaréta Práznovská	Prírodovedecká fakulta UK	4.2.13 virológia
16.	Mgr. Balázs Sallay	Prírodovedecká fakulta UK	4.2.7 mikrobiológia
17.	Mgr. Róbert Szabó	Prírodovedecká fakulta UK	4.2.13 virológia
18.	Mgr. Andrea Ševčíková	Univerzita Komenského v Bratislave	4.2.3 molekulárna biológia
19.	Mgr. Lucia Škorvanová	Prírodovedecká fakulta UK	4.2.13 virológia
20.	RNDr. Zuzana Timková	Prírodovedecká fakulta UK	4.2.13 virológia
21.	Mgr. Jana Valáriková	Prírodovedecká fakulta UK	4.2.7 mikrobiológia
22.	Mgr. Zuzana Vozárová	Prírodovedecká fakulta UK	4.2.13 virológia
Interní doktorandi hrazení z iných zdrojov			
<i>organizácia nemá interných doktorandov hrazených z iných zdrojov</i>			
Externí doktorandi			
1.	Mgr. Lucia Kotlárová	Prírodovedecká fakulta UK	4.2.13 virológia
2.	RNDr. Martina Ličková	Prírodovedecká fakulta UK	4.2.13 virológia
3.	Mgr. Katarína Trnková	Prírodovedecká fakulta UK	4.2.3 molekulárna biológia

Projekty riešené v organizácii**Medzinárodné projekty****Programy: Medziakademická dohoda (MAD)****1.) Symptomatológia infekcie vírusom mozaiky arábky***Symptomausprägung nach Infektion mit Arabis mosaic virus*

Zodpovedný riešiteľ:	Miroslav Glasa
Trvanie projektu:	1.1.2013 / 31.12.2014
Evidenčné číslo projektu:	nie je udelené
Organizácia je koordinátorom projektu:	nie
Koordinátor:	RLP Agrosience, AlPlanta, Neustadt
Počet spoluriešiteľských inštitúcií:	2
Čerpané financie:	0,-

Dosiahnuté výsledky:

Vírus mozaiky arábky (ArMV) patrí k hospodársky dôležitým patogénom, spôsobujúcim degeneráciu rastlín viniča hrozno-rodého. Pomocou optimalizovanej metódy detekcie ArMV pomocou RT-PCR sme zistili ojedinelý výskyt tohto vírusu na Slovensku. Sekvenčná analýza RNA2 pri troch slovenských ArMV izolátoch ukázala ich vysokú molekulárnu variabilitu. Sledovala sa infekčnosť cDNA klonov ArMV s vymenenými oblasťami kódujúcimi movement proteín. V rámci projektu absolvovali 2 mladí vedeckí pracovníci oddelenia krátkodobé študijné pobyty v laboratóriu zahraničného partnera a pripravil a podal sa projekt DAAD financujúci dlhodobú postdoktorálnu stáž.

Programy: COST**2.) Udržateľná produkcia vysokokvalitných čerešní pre európsky trh.***Sustainable production of high-quality cherries for the European market*

Zodpovedný riešiteľ:	Lenka Abaffyová
Zodpovedný riešiteľ v organizácii SAV:	Miroslav Glasa
Trvanie projektu:	15.4.2013 / 15.4.2016
Evidenčné číslo projektu:	COST FA1104
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Institut Nationale de la Recherche Agronomique, INRA UMR1332, Villenave d'Ornon
Počet spoluriešiteľských inštitúcií:	18 - Rakúsko: 3, Česko: 3, Španielsko: 3, Francúzsko: 3, Švajčiarsko: 3, Poľsko: 3
Čerpané financie:	MVTS: 4.000,- €

Dosiahnuté výsledky:

Vytvorila sa fungujúca sieť spolupracujúcich pracovísk na uskutočnenie ring-testu pre validáciu súčasných postupov pre diagnostiku vírusových patogénov čerešní. Na území Slovenska sme pomocou optimalizovaných RT-PCR testov identifikovali vírus čerešne A (CVA), vírus maloplodosti čerešne 1 (LChV-1), vírus zakrpatenosti slivky (PDV) a vírus nekrotickej krúžkovitosti slivky (PNRSV). Vzorka čerešne vykazujúca vírusom podobné príznaky bola podrobená analýze NGS (next generation sequencing) zameranej na analýzu siRNA.

Programy: 7RP

3.) Európsky vírusový archív (EVA)

European Virus Archive (EVA))

Zodpovedný riešiteľ:	Boris Klempa
Trvanie projektu:	1.1.2009 / 31.12.2014
Evidenčné číslo projektu:	228292
Organizácia je koordinátorom projektu:	nie
Koordinátor:	prof. Jean-Louis Romette, Université de la Méditerranée, Marseille
Počet spoluriešiteľských inštitúcií:	8 - Nemecko: 2, Francúzsko: 2, Veľká Británia: 2, Švajčiarsko: 1, Slovinsko: 1
Čerpané financie:	0,- €

Dosiahnuté výsledky:

Aj v roku 2014 bol projekt po žiadosti predĺžený, avšak bez navýšenia rozpočtu. Preto už boli hlavnou náplňou len aktivity spojené s poskytovaním vírusov a derivovaných projektov pre záujemcov zo strany akademickej komunity (tzv. trans-national access). V rámci tejto aktivity sme poskytli 50 produktov nielen v rámci Európy, ale aj do USA. Okrem toho sme v obmedzenej miere pokračovali aj vo výskumných aktivitách zameraných na nové metódy pre zvyšovanie koncentrácie vírusov vo finálnom produkte a na identifikáciu a charakterizáciu nových hantavírusov.

Vedecké výstupy:

Tkachenko EA, Witkowski PT, Radosa L, Dzagurova TK, Okulova NM, Yunicheva YV, Vasilenko L, Morozov VG, Malkin GA, Krüger DH, Klempa B. Adler hantavirus, a new genetic variant of Tula virus identified in Major's pine voles (*Microtus majori*) sampled in southern European Russia. *Infect Genet Evol.* 2015 Jan;29:156-63. Epub 2014 Nov 26.

4.) Proti-kliešťové vakcíny na prevenciu kliešťami prenášaných ochorení v Európe

Anti-tick Vaccines to Prevent Tick-borne Diseases in Europe

Zodpovedný riešiteľ:	Boris Klempa
Trvanie projektu:	1.12.2013 / 30.11.2018
Evidenčné číslo projektu:	602272
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Academisch Medisch Centrum bij de Universiteit van Amsterdam
Počet spoluriešiteľských inštitúcií:	6 - Česko: 1, Nemecko: 2, Španielsko: 1, Holandsko: 2
Čerpané financie:	37.283,- €

Dosiahnuté výsledky:

Projekt je zameraný na vývoj vakcín zacielených proti kliešťom *Ixodes ricinus*, ktoré by súčasne chránili voči viacerým kliešťami-prenášaným patogénom, predovšetkým voči boréliám, babésiám a vírusu kliešťovej encefalitídy. Kľúčovou stratégiou je využitie transkriptómových analýz slinných žliaz infikovaných kliešťov počas cicania na hostiteľovi pre vytipovanie vhodných antigénov. V prvom roku projekte sme boli zameraní na metodickú prípravu transkriptómových analýz kliešťov, infikovaných vírusom kliešťovej encefalitídy. V rámci nich sme testovali a osvojili si viaceré metodiky experimentálnej inokulácie ným f kliešťov *I. ricinus* vírusom a zásadne vylepšili metodiky detekcie vírusu v kliešťoch.

Vedecké výstupy:

SPRONG, H. - TRENTLMAN, J. - SEEMANN, Ingar - GRUBHOFFER, L. - REGO, Ryan OM - HAJDUŠEK, Ondřej - KOPÁČEK, Petr - ŠÍMA, Radek - NIJHOF, Ard M. - ANGUITA, Juan - WINTER, Peter - ROTTER, Bjorn - HAVLÍKOVÁ, Sabina - KLEMPA, Boris - SCHETTERS, Theo P - HOVIUS, Joppe WR. ANTIDotE: anti-tick vaccines to prevent tick-borne. In Parasites & vectors, 2014, vol. 7, no. 77. (3.251 - IF2013). ISSN 1756-3305.

5.) Biomedicínske inžinierstvo pre vývoj diagnostiky a terapie nádorových a mozgových chorôb

Biomedical engineering for cancer and brain disease diagnosis and therapy development

Zodpovedný riešiteľ:	Silvia Pastoreková
Trvanie projektu:	1.4.2011 / 31.3.2015
Evidenčné číslo projektu:	264417
Organizácia je koordinátorom projektu:	nie
Koordinátor:	prof. Dr. Michiel J. Vellekoop, Institute of Sensor and Actuator Systems, Vienna University of Technology
Počet spoluriešiteľských inštitúcií:	11 - Rakúsko: 3, Dánsko: 3, Švajčiarsko: 3, Holandsko: 2
Čerpané financie:	Európska komisia: 63.631 € Podpora medzinárodnej spolupráce z národných zdrojov: 5.850,- €

Dosiahnuté výsledky:

Tento projekt má tréningový charakter a jeho hlavným cieľom je výchova mladých vedeckých pracovníkov a rozvoj ich kariéry v multidisciplinárnom a medzinárodnom prostredí. Z vedeckého hľadiska je projekt zameraný na vývoj a testovanie rozličných biosenzorov na bunkových modeloch. V roku 2014 na tomto projekte pracovala PhD študentka z Poľska, ktorá študovala nádorové proteíny AGR2 a AGR3. Naše pracovisko tiež navštívili PhD študenti z partnerských pracovísk v Kodani, Viedni, Delft a Brémach a počas študijných pobytov si osvojili viaceré metódy bunkovej a molekulárnej biológie.

Vedecké výstupy:

Uhlenbrock F, Hagemann-Jensen M, Kehlet S, Andresen L, Pastorekova S, Skov S. The NKG2D ligand ULBP2 is specifically regulated through an invariant chain-dependent endosomal pathway. J Immunol. 2014 Aug 15;193(4):1654-65. doi: 10.4049/jimmunol.1303275.

Pucciarelli D, Takacova M, Csaderova L, Juliano F, Lengger N, Breiteneder H, Pastorekova S, Hafner C, Hypoxia influences the response to vemurafenib in V600E mutant melanoma cells, Annual

meeting of American Association for Cancer Research, San Diego, USA, 5-9 April 2014

Pucciarelli D, Takacova M, Csaderova L, Juliano F, Lengger N, Breiteneder H, Pastorekova S, Hafner C, The response to vemurafenib is influenced by hypoxia in V600E mutant melanoma, 10th Young Scientist Association (YSA) PhD Symposium, Medical University of Vienna, Austria, June 11-12, 2014

Uhlenbrock FK, Hagemann-Jensen M, Kehlet SN, Adresen L, Pastorekova S, Skov S: Cell Surface Transport Undercover: The Expression of the Soluble and Surface-Bound NKG2D-Ligand ULBP2 is Dependent on Endosomal Regulation. SCANDINAVIAN JOURNAL OF IMMUNOLOGY 79 (6), 469-469, 2014, 42nd Annual Meeting of the Scandinavian-Society-for-Immunology (SSI), Iceland Soc Immunol, Reykjavik, ICELAND, JUN 11-14, 2014

6.) Metastázy ako dôsledok nádorového mikroprostredia

Metastatic tumours facilitated by hypoxic tumour microenvironments

Zodpovedný riešiteľ:	Silvia Pastoreková
Trvanie projektu:	1.2.2009 / 31.1.2014
Evidenčné číslo projektu:	222741
Organizácia je koordinátorom projektu:	nie
Koordinátor:	prof. Erik Olai Pettersen, The University of Oslo
Počet spoluriešiteľských inštitúcií:	19 - Nemecko: 3, Dánsko: 2, Španielsko: 1, Francúzsko: 1, Veľká Británia: 4, Taliansko: 1, Litva: 1, Holandsko: 2, Nórsko: 3, Švédsko: 1
Čerpané financie:	Európska komisia: 1456 €

Dosiahnuté výsledky:

Pokračovali sme v štúdiu regulácie a funkcie hypoxiou-indukovaného proteínu CA IX. Zamerali sme sa najmä na vplyv inhibítorov, mutácií a odštiepovania solubilnej ektodomény CA IX na schopnosť CA IX kontrolovať pH a bunkovú migráciu. Ukázali sme, že niektoré cytotoxické látky vedú v procese bunkovej smrti k zvýšenému uvoľňovaniu ektodomény, ktorá môže následne ovplyvňovať nádorovú progresiu.

Vedecké výstupy:

Meijer TW, Bussink J, Zatovicova M, Span PN, Lok J, Supuran CT, Kaanders JH. Tumor microenvironmental changes induced by the sulfamate carbonic anhydrase IX inhibitor S4 in a laryngeal tumor model. PLoS One. 2014 Sep 16;9(9):e108068.

Pettersen EO, Ebbesen P, Gieling RG, Williams KJ, Dubois L, Lambin P, Ward C, Meehan J, Kunkler IH, Langdon SP, Ree AH, Flatmark K, Lyng H, Calzada MJ, Peso LD, Landazuri MO, Görlach A, Flamm H, Kieninger J, Urban G, Weltin A, Singleton DC, Haider S, Buffa FM, Harris AL, Scozzafava A, Supuran CT, Moser I, Jobst G, Busk M, Toustrup K, Overgaard J, Alsner J, Pouyssegur J, Chiche J, Mazure N, Marchiq I, Parks S, Ahmed A, Ashcroft M, Pastorekova S, Cao Y, Rouschop KM, Wouters BG, Koritzinsky M, Mujcic H, Cojocari D. Targeting tumour hypoxia to prevent cancer metastasis. From biology, biosensing and technology to drug development: the METOXIA consortium. J Enzyme Inhib Med Chem. 2014 Oct 27:1-33.

Pastorekova S, Supuran CT: Carbonic Anhydrase IX: From Biology to Therapy. In: Hypoxia and Cancer.

Biological Implications and Therapeutic Opportunities (G. Melillo, Ed). Humana Press, Springer New York Heidelberg Dordrecht London, 2014, pp 121-156. DOI 10.1007/978-1-4614-9167-5_6.

7.) Nové liečivá cielené voči polymeráze vírusu chrípky

New drugs targeting influenza virus polymerase

Zodpovedný riešiteľ:	Eva Varečková
Trvanie projektu:	1.11.2010 / 30.4.2015
Evidenčné číslo projektu:	259751
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Stephen Cussack, EMBL, Germany/France
Počet spoluriešiteľských inštitúcií:	12 - Rakúsko: 3, Belgicko: 1, Nemecko: 3, Španielsko: 1, Francúzsko: 3, Švédsko: 1
Čerpané financie:	Európska komisia: 48.279,-€ Podpora medzinárodnej spolupráce z národných zdrojov: 4.000 €

Dosiahnuté výsledky:

Pripravili sme dva varianty pandemického vírusu A/Perth (H1N1) z roku 2009, ako nového modelového vírusu chrípky adaptovaného na myši, u ktorých sme sekvenčnou analýzou genómu potvrdili mutácie v neuraminidase. U týchto variantov sme potvrdili in vitro aj in vivo senzitivitu, resp. rezistenciu na Tamiflu, doteraz používané liečivo proti chrípke, v korelácii s mutáciami. Pripravené vírusy sa budú používať vo finálnej časti riešenia projektu na preverenie novej účinnej látky syntetizovanej v rámci projektu FLUPHARM. Zároveň sme otestovali in vitro a in vivo tri ďalšie látky na antivírusový účinok, testované látky sú targetované na RNA-polymerázu vírusu chrípky. Jedna z nich chránila myši pred letálnou chrípkovou infekciou v dvoch použitých koncentráciách s indexom protektivity 1. Táto látka bude ďalej preverovaná v ďalších predklinických a klinických testoch. Získané výsledky nie sú publikované, pretože budú predmetom patentovania.

Programy: Multilaterálne - iné

8.) Biomarkery pre skorú detekciu a terapiu nádorov nadobličiek: Molekulárna patogenéza a klinické korelácie

Biomarkers for Early Detection and Therapy of Adrenal Gland Tumors: Molecular Pathogenesis and Clinical Correlates

Zodpovedný riešiteľ:	Juraj Kopáček
Trvanie projektu:	1.1.2009 / 31.12.2014
Evidenčné číslo projektu:	nebolo udelené
Organizácia je koordinátorom projektu:	nie
Koordinátor:	National Institute of Child Health and Human Development, NIH, Bethesda
Počet spoluriešiteľských inštitúcií:	5 - Slovensko: 4, USA: 1

Čerpané financie:	0,-
--------------------------	-----

Dosiahnuté výsledky:

V súvislosti s projektovou spoluprácou s NIH a v rámci pracovného pobytu sa Mgr. Petra Bullová pod vedením Prof. Pacaka podieľala na viacerých prácach týkajúcich sa štúdií nádorov nadobličiek, najmä hľadania vhodných molekulových a metabolických markerov tohto ochorenia.

Vedecké výstupy:

Giubellino A, Shankavaram U, Bullova P, Schovanek J, Zhang Y, Shen M, Patel N, Elkahloun A, Lee MJ, Trepel J, Ferrer M, Pacak K. High-throughput screening for the identification of new therapeutic options for metastatic pheochromocytoma and paraganglioma. PLoS One. 2014 Apr 3;9(4):e90458. doi:10.1371/journal.pone.0090458. eCollection 2014.

Lendvai N, Pawlosky R, Bullova P, Eisenhofer G, Patocs A, Veech RL, Pacak K. Succinate-to-fumarate ratio as a new metabolic marker to detect the presence of SDHB/D-related paraganglioma: initial experimental and ex vivo findings. Endocrinology. 2014 Jan;155(1):27-32. doi: 10.1210/en.2013-1549. Epub 2013 Dec 20.

Programy: Bilaterálne - iné

9.) Využitie sekvenačných analýz novej generácie na detekciu a charakterizáciu závažných vírusov čerešní

Application of the next-generation sequencing analyses for the detection and characterization of important viral pathogens of cherries

Zodpovedný riešiteľ:	Miroslav Glasa
Trvanie projektu:	1.1.2014 / 31.12.2015
Evidenčné číslo projektu:	SK-FR-2013-0021
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Institut Nationale de la Recherche Agronomique
Počet spoluriešiteľských inštitúcií:	2
Čerpané financie:	0,-

Dosiahnuté výsledky:

Pomocou vizuálneho prieskumu a štandardných RT-PCR metód sa uskutočnil skrining čerešní vo viacerých lokalitách na Slovensku s cieľom vytypovať jedince vykazujúce atypickú symptomatológiu/etiológiu, resp. pri ktorých nie je možné jednoznačne určiť pôvodcu vírusového ochorenia. Vzorky sa pripravili na následnú analýzu pomocou sekvenovania novej generácie (NGS), ktoré nebolo uskutočnené z dôvodu oneskoreného financovania projektu.

10.) Biochemická a štruktúrna charakterizácia HCMV imunitných modulátorov a svalové proteíny F-aktínu

Biochemical and structural characterization of HCMV immune modulators and F-actin capping muscular proteins

Zodpovedný riešiteľ:	Ivana Nemčovičová
Trvanie projektu:	1.9.2014 / 28.2.2015

Evidenčné číslo projektu:	SAIA-AKTION-6-IN
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	1 - Rakúsko: 1
Čerpané financie:	SAIA, n.o.: 6.000 € - mimo rozpočtu VÚ SAV

Dosiahnuté výsledky:

Nadviazanie novej vedeckej spolupráce s prof. Kristina Carugo-Djinovic v oblasti makromolekulovej kryštalografie, s možnosťou využívať akademické prístrojové vybavenie Max F. Perutz Laboratórií Viedenskej Univerzity v nasledujúcich rokoch.

Vybraný svalový proteín F-aktínu, PGM-5, bol identifikovaný a rekombinantne pripravený v dvoch expresných systémoch, a to bakteriálnom E. coli Rosetta systéme ako aj v bakulovírusovom systéme za použitia hmyzých H5 a Sf9 buniek. Za využitia streptavidínovej afinity k biotínu s následnou chromatografiou uskutočnenou iónovou výmenou sme pripravili vzorku s vysokou čistotou. Statickým (SLS) a dynamickým (DLS) svetelným rozptylom na molekulách PGM-5 sme určili jeho presnú molekulovú hmotnosť. Expresia ľudského PGM-5 bola optimalizovaná s cieľom pripraviť čistý proteín k ďalšej charakterizácii (termofluor a MS) a kryštalizácii.

Vybraný ľudský NK bunkový aktivátor, CD155, bol pripravený rekombinantne v Bac-to-Bac expresnom systéme a ďalej charakterizovaný. Boli testované väzby k cytomegalovírusovým imunomodulátorom UL141 a UL142 pomocou afinitných pull-down esejí a SPR technológie.

Programy: Iné

11.) Sledovanie proteínovej odpovede *C. burnetii* na procesy súvisiace s rezistenciou na tetracyklín

Profile of the protein response in the process of resistance to tetracycline by C. burnetii

Zodpovedný riešiteľ:	Gabriela Flores-Ramírez
Trvanie projektu:	1.2.2014 / 30.9.2015
Evidenčné číslo projektu:	číslo nebolo udelené
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	2.695,- €

Dosiahnuté výsledky:

V prvom roku sme sa venovali príprave tetracyklín resistantných buniek *C. burnetii* a ich produkcii na humánných THP-1 bunkovej línii.

Projekty národných agentúr

Programy: VEGA

1.) Štúdium terapeutického potenciálu RNA interferencie a interferónov proti infekcii vírusom chrípky

Therapeutic potential of RNA interference and interferons against influenza virus infection)

Zodpovedný riešiteľ:	Tatiana Betáková
Trvanie projektu:	1.1.2012 / 31.12.2015
Evidenčné číslo projektu:	2/0005/11
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 10584 €

Dosiahnuté výsledky:

Testovali sme vplyv individuálnych shRNA ako aj zmesi týchto shRNA namierených proti NS génu na replikáciu vírusu chrípky typu A. Tieto shRNA boli testované 16 hodín po infekcii. Dokázali sme, že: a) shRNA namierené proti NS1 transkriptu inhibovali vírusový titer o 21% ($P < 0.01$); b) shRNA namierené proti NEP transkriptu nemali vplyv na replikáciu vírusu chrípky in vitro; c) zmesi shRNA proti NS1 transkriptu neboli efektívnejšie ako jednotlivé shRNA; d) zmesi shRNA proti NEP signifikantne inhibovali replikáciu vírusu chrípky in vitro; e) aktivita shRNA in vivo korešpondovala s aktivitou in vitro; f) shRNA namierená proti spoločnej oblasti NS1 a NEP transkriptu mala najväčší inhibičný účinok in vitro ale prežívanie myší predĺžila iba o tri dni a v zmesi mala toxický účinok. ShRNA inhibovali replikáciu vírusu chrípky špecificky a hladina NS1 mRNA bola signifikantne znížená v pľúcach myší. Hladina RIG-1, IFN- alfa, IFN- beta a IFN- lambda mRNA nebola zmenená.

Vedecké výstupy:

ŠVANČAROVÁ, Petra - SVETLÍKOVÁ, Darina - BETÁKOVÁ, Tatiana. Synergic and antagonistic effect of small hairpin RNAs targeting the NS gene of the influenza A virus in cells and mice. *Virus Research* 195, 110-111, 2015. (2.827 - IF2013). ISSN 0168-1702. 2. Veronika Mrázová, Tatiana Betáková, Marcela Kúdelová, Miroslava Šupolíková, Veronika Lachová, Barbora Lapuníková, František Golais. Murine gammaherpesvirus (MHV-68) transforms cultured cells in vitro. *Prijaté do INTERVIROLOGY* 2015 (1,773 – IF2013)

LACHOVÁ, Veronika - TURIANOVÁ, Lucia - GOLAI, František - ŠUPOLÍKOVÁ, Miroslava - SVETLÍKOVÁ, Darina - ŠKORVANOVÁ, Lucia - ŠVANČAROVÁ, Petra - BETÁKOVÁ, Tatiana. Potencionálne rastové faktory asociované s MHV majú vplyv na organizáciu cytoskeletu v MRC-5 bunkách. In *Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 394 - 399. ISBN 978-80-223-3592-8

KOŠÍKOVÁ, Nina - ŠKORVANOVÁ, Lucia - LACHOVÁ, Veronika - BOROVSÁ, Petra - SVETLÍKOVÁ, Darina - BETÁKOVÁ, Tatiana. Príprava a charakterizácia vírusov chrípky typu A s mutáciami v NS géne. In *Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského

v Bratislave vo Vydavateľstve UK, 2014, s. 361 - 366. ISBN 978-80-223-3592-8.

MRÁZOVÁ, Veronika - ŠUPOLÍKOVÁ, Miroslava - LACHOVÁ, Veronika - BETÁKOVÁ, Tatiana - LAPUNÍKOVÁ, Barbora - KÚDELOVÁ, Marcela - GOLAIŠ, František. Myšací herpetický vírus (MHV-68, MuHV-4) transformuje bunky in vitro. In Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 515 - 520. ISBN 978-80-223-3592-8.

ŠKORVANOVÁ, Lucia - SVETLÍKOVÁ, Darina - LACHOVÁ, Veronika - ŠVANČAROVÁ, Petra - BETÁKOVÁ, Tatiana. Testovanie antivírusovej aktivity IFN- γ 1 a IFN- γ 2 voči vírusu chrípky typu A na VERO bunkách. In Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 711-716. ISBN 978-80-223-3592-8.

MRÁZOVÁ, Veronika - ŠUPOLÍKOVÁ, Miroslava - LACHOVÁ, Veronika - BETÁKOVÁ, Tatiana - LAPUNÍKOVÁ, Barbora - KÚDELOVÁ, Marcela - GOLAIŠ, František. Myšací herpetický vírus (MHV-68, MuHV-4) transformuje bunky in vitro. In Čo nového v mikrobiológii : Zborník krátkych článkov konferencie mladých mikrobiológov [elektronický zdroj]. - Bratislava-Praha, 2014, s. 132-138. ISBN 978-80-971422-2-3. Názov z CD ROM.

LACHOVÁ, Veronika - GOLAIŠ, František - ŠUPOLÍKOVÁ, Miroslava - SVETLÍKOVÁ, Darina - ŠKORVANOVÁ, Lucia - ŠVANČAROVÁ, Petra - BETÁKOVÁ, Tatiana. Vplyv rastového faktoru asociovaného s MHV na organizáciu cytoskeletu v MRC-5 bunkách. In Tomáškovy dny 2014 : XXIII. konferencie mladých mikrobiológov. - Brno : Masarykova univerzita, 2014, p. 68. ISBN 978-80-210-6805-6.

ŠKORVANOVÁ, Lucia - LACHOVÁ, Veronika - ŠVANČAROVÁ, Petra - SVETLÍKOVÁ, Darina - BETÁKOVÁ, Tatiana. Antivírusová aktivita interferónov lambda voči vírusu typu A. In Tomáškovy dny 2014 : XXIII. konferencie mladých mikrobiológov. - Brno : Masarykova univerzita, 2014, 79. ISBN 978-80-210-6805-6.

2.) Charakterizácia transportných dráh CA IX v nádorových bunkách pomocou analýzy v reálnom čase

Characterization of transport pathways of CA IX in tumor cells via real-time analysis

Zodpovedný riešiteľ:	Lucia Csáderová
Zodpovedný riešiteľ v organizácii SAV:	Lucia Csáderová
Trvanie projektu:	1.1.2014 / 31.12.2017
Evidenčné číslo projektu:	2/0081/14
Organizácia je koordinátorom projektu:	nie
Koordinátor:	MMC SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	0,.

Dosiahnuté výsledky:

Projekt sa zameriava na skúmanie transportných dráh CA IX vo vnútri súvisiacich s jej endocytózou a recykláciou za rôznych podmienok. V počiatočnom štádiu riešenia projektu sme optimalizovali podmienky a nástroje sledovania procesu internalizácie CA IX pre naše prístrojové mikroskopické vybavenie. Zistili sme, že protilátka G250, ktorá deteguje konformačný epitop katalytickej domény CA IX je schopná spustiť internalizáciu po svojom naviazaní na CA IX. Detailná analýza mechanizmu a kinetiky internalizácie komplexu CA IX s G250 ukázala, že internalizácia prebieha klatrín-závislou cestou, nedochádza k degradácii v lyzozónoch a prebieha recyklácia prostredníctvom perinukleárných kompartmentov. Tento mechanizmus umožňuje relatívne dlhé zotrvanie G250 vnútri bunky a tiež jej opakovanú internalizáciu, výhodné pre potenciálnu imunoterapiu. Podávanie protilátky G250 významne redukuje veľkosť xenograftov kolorektálnych karcinómových buniek HT-29.

Vedecké výstupy:

Zatovicova M, Jelenska L, Hulikova A, Ditte P, Ditte Z, Csaderova L, Svastova E, Schmalix W, Boettger V, Bevan P, Pastorek J, Pastorekova S. Monoclonal antibody G250 targeting CA IX: Binding specificity, internalization and therapeutic effects in a non renal cancer model. *Int J Oncol.* 2014 Dec;45(6):2455-67.

Vidličková I, Zaťovičová M, Csáderová L, Radvanszka M, Vreštiaková M, Stuchlík S, Pastorek J, Pastoreková S. Shedding of carbonic anhydrase IX ectodomain affects tumor cell phenotype. In Československá biologická spoločnosť. Sborník přednášek a posteru, program : XXI.Biologické dny. Pokroky a výzvy současné nádorové biologie. - Brno : Venice s.r.o., 2014, p. 97. ISBN 978-80-260-6793-1.

Zaťovičová M, Vreštiaková M, Csáderová L, Vidličková I, Miškovská V, Svetlovská D, Mardiak J, Mego M, Pastorek J, Pastoreková S. Circulation CA IX ectodomain in plasma/serum of cancer patients - potential screening and prognostic marker detected by novel rapid Elisa. In Československá biologická spoločnosť. Sborník přednášek a posteru, program : XXI.Biologické dny. Pokroky a výzvy současné nádorové biologie. - Brno : Venice s.r.o., 2014, p. 99. ISBN 978-80-260-6793-1

Simko V, Csaderova L, Pastorek J. Hypoxia-mediated regulation of cAMP: a molecule responsible in the activation of the tumor associated carbonic anhydrase IX. SSBMB/CSBMB XXIV. Biochemical Meeting, 18-21 September, 2014, Bratislava, Slovakia.

Simko V, Labudova M, Csaderova L, Zatovicova M, Iuliano F, Ditte Z, Ditte P, Pastorek J. New aspects of the regulation of function of tumor-associated carbonic anhydrase IX. 1st ISCAM/ 5th ISPDC Meeting, 8-11 October, 2014, Bratislava, Slovakia. (invited lecture)

3.) Proteomická analýza buniek s modulovanou expresiou vápnik-viažúceho proteínu S100P

Proteomic analysis of cells with modulated expression of calcium-binding protein S100P

Zodpovedný riešiteľ:	Adriana Gibadulinová
Trvanie projektu:	1.1.2011 / 31.12.2014
Evidenčné číslo projektu:	2/0172/11
Organizácia je koordinátorom projektu:	áno

Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 7175 €

Dosiahnuté výsledky:

Pri štúdiu interakčných partnerov proteínu S100P sme sa zamerali na tumor supresorový proteín p53 a jeho regulátor MDM2. Ukázali sme, že väzba S100P na p53 vedie k stabilizácii a inaktivácii p53, ktorá sa prejavuje zníženou fosforyláciou N-terminálnej časti proteínu p53 a neschopnosťou aktivovať terčové gény p53 v odpovedi na DNA poškodenie. Na druhej strane však prítomnosť S100P v nádorových bunkách spôsobuje ich chemosenzitivizáciu, čím môže prispieť k selekcii rezistentých nádorových subpopulácií.

Vedecké výstupy:

Gibadulinová A, Filipčík P, Bekešová S, Pastoreková S. Proteomic identification of new possible interacting partners of cancer related protein S100P. In Slovenská spoločnosť pre biochémiu a molekulárnu biológiu a Česká společnost pro biochemii a molekulární biologii. Zborník prednášok a posterov, program: XXIV. Biochemický zjazd SSBMB a ČSBMB. Bratislava, p.141 ISBN 978-80-970164-6-3, 18.-21. september 2014

Gibadulinová A, Filipčík P, Pastoreková S. Connection between S100P and the p53/Mdm2 tumor suppressor pathways. In Československá biologická společnost. Sborník přednášek a posteru, program : XXI. Biologické dny. Pokroky a výzvy současné nádorové biologie. - Brno : Venice s.r.o., 2014, p.64. ISBN 978-80-260-6793-1.

4.) Využitie genomických dát hospodársky dôležitých vírusov viniča hroznorodého pre optimalizáciu detekčných techník a vývoj progresívnych metód ochrany proti vírusovej infekcii

Use of the genome data of economically important grapevine viruses for optimisation of detection tools and development of innovative protection methods against viral infection

Zodpovedný riešiteľ:	Miroslav Glasa
Trvanie projektu:	1.1.2013 / 31.12.2015
Evidenčné číslo projektu:	VEGA 2/0060/13
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 9.885,- €

Dosiahnuté výsledky:

Molekulárna variabilita vírusov viniča bola študovaná pomocou štandardnej sekvenácie ich genómov a sekvenčnej technológie novej generácie (NGS). Parciálnou analýzou genómu sme charakterizovali izoláty vírusu viniča A (GVA), pričom sme zistili ich vysokú divergenciu a zatriedenie do dvoch fylogenetických skupín. Analýza vybraných populácií jednotlivých izolátov navyše dokázala koexistenciu a mix viacerých foriem (haplotypov) v populácii. Prvýkrát na Slovensku sme identifikovali a kompletne osekvenovali izolát Grapevine rupestris stem pitting

virus (GRSPaV). Zistili sme značný výskyt vírusu viniča Syrah-1 (GSyV-1) na Slovensku a v Českej republike. Nakoľko tento vírus nebol v stredoeurópskom regióne doteraz zistený, určili sme kompletne sekvencie 3 izolátov. Porovnanie s dostupnými severoamerickými GSyV-1 izolátmi poukázalo na ich značnú molekulárnu odlišnosť. Vzhľadom k tomu, že doteraz dostupné diagnostické technológie nedokázali spoľahlivo zachytiť stredoeurópske GSyV-1, optimalizovali sme RT-PCR pre spoľahlivú a polyvalentnú detekciu vírusu.

Vedecké výstupy:

Glása M, Predajňa L, Komínek P, Nagyová A, Candresse T Olmos A (2014): Molecular characterization of divergent grapevine Pinot gris virus isolates and their detection in Slovak and Czech grapevines. Archives of Virology 159: 2103–2107

5.) Molekulárne determinanty neviremického prenosu vírusu kliešťovej encefalitídy z kliešťa na kliešte počas spoločného cicania

Molecular determinants of non-viraemic transmission of tick-borne encephalitis between co-feeding ticks)

Zodpovedný riešiteľ:	Sabína Havlíková
Trvanie projektu:	1.1.2012 / 21.12.2014
Evidenčné číslo projektu:	2/0191/12
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 10384 €

Dosiahnuté výsledky:

V poslednom roku riešenia projektu sme sledovali dynamiku vírusu kliešťovej encefalitídy (TBEV). Zamerali sme sa na úlohu slinných žliaz pri infekcii TBEV, prenos TBEV počas co-feedingu ako aj prežívanie/prenos TBEV v priebehu metamorfózy jednotlivých štádií kliešťov *Ixodes ricinus*. Zistili sme, že TBEV je detekovateľný v slinných žľazách samičiek *I. ricinus* až 120 dní po inokulácii vírusu. Taktiež sme zistili, že cicaním samičiek po inokulácii TBEV na hostiteľovi, dochádza k rapídne množeniu vírusu v slinných žľazách kliešťov. U hladujúcich samičiek sme detekovali 100% pozitivity na 14 a 21 deň po inokulácii, u cicajúcich samičiek už na 3 deň cicania. Slinné žľazy tak plnia úlohu dlhodobých rezervoárov TBEV v procese prežívania vírusu, sú miestom pre pomnoženie vírusu a jeho prenosu z kliešťa na hostiteľa. Pri spoločnom cicaní infekčných samičiek *I. ricinus* s neinfekčnými nymfami na neviremickom hostiteľovi, sme detekovali 61% pozitívnych ným, pričom ich počet priamoúmerne stúpal počas cicania. Avšak po metamorfóze týchto ným z nich bolo len 8,5% infekčných, čiže celkový transštadiálny prenos tvoril 14%. Ak sme nechali nymfy metamorfovať po inokulácii TBEV, tak infekčnosť bola oveľa vyššia – 92,6% ako pri co-feedingu. U lariet nebola možná inokulácia TBEV, tak sme použili model spoločného cicania s nymfami, kde infekčnosť po metamorfóze tvorila 0,8%. Naše výsledky korešpondujú s epidemiologickými štúdiami a poukazujú na nízku prevalenciu TBEV u kliešťov *I. ricinus* v prírode.

Vedecké výstupy:

Slovák M, Kazimírová M, Siebenstichová M, Ustaníková K, Klempa B, Gritsun T, Gould E A, Nuttall P A. : Survival dynamics of tick-borne encephalitis virus in *Ixodes ricinus* ticks. Ticks and Tick-borne Diseases, 2014; 5: 962-969.

6.) Štruktúrne-funkčné štúdie konzervatívnych proteínov vírusov chrípky v hostiteľskom prostredí

Structural and functional studies of conservative proteins of influenza viruses in host's environment

)

Zodpovedný riešiteľ:	František Kostolanský
Trvanie projektu:	1.1.2013 / 31.12.2016
Evidenčné číslo projektu:	2/0100/13
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 5664 €

Dosiahnuté výsledky:

Štúdium expresie rekombinantného HA-eM2 proteínu vírusu chrípky in vitro a jeho imunogenicity na myšom modeli: analýza protilátkovej odpovede v sérach myší opakovane imunizovaných plazmidovou DNA kódujúcou rekombinantný proteín ukázala silnú anti-HA a signifikantnú, ale slabšiu anti-eM2 protilátkovú odpoveď.

Vedecké výstupy:

Janulíková J., Bobišová Z., Mucha V., Kostolanský F. and Varečková E: Antibody response to successive infection of mice with human and avian influenza A viruses. The Fifth ESWI Influenza Conference 2014, 14th -17th September 2014, Riga, Latvia. Typ: AFG

Kostolanský F.1, Dugovičová V1., Janulíková J. 1, Mucha V. 1, Mistríková J. 1, Varečková E: Virus dose-dependent neutrophil and lymphocyte proportions in peripheral blood during influenza A infection of mice. The Fifth ESWI Influenza Conference 2014, 14th -17th September 2014, Riga, Latvia. Typ: AFG

Košík I., Práznovská M., Košíková M., Varečková E., Kostolanský F. Poláková K., Russ G: Ubiquitination of influenza A virus PB1-F2 protein is crucial for its biological function. The Fifth ESWI Influenza Conference 2014, 14th -17th September 2014, Riga, Latvia. Typ: AFG

7.) Úloha posttranslačných modifikácií proteínov vírusu chrípky typu A a ich vplyv na infekčný cyklus

Posttranslation modifications of the influenza A virus proteins and its role during the infection cycle)

Zodpovedný riešiteľ:	Ivan Košík
Trvanie projektu:	1.1.2014 / 31.12.2017
Evidenčné číslo projektu:	2/0152/14
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0

Čerpané financie:	VEGA: 6166 €
--------------------------	--------------

Dosiahnuté výsledky:

Na základe bioinformatickej analýzy ľudských a vtáčích sekvencií PB1-F2 sme predikovali potenciálne aminokyselinové pozície zodpovedné za ubiquitináciu PB1-F2 u vtáčích ako aj ľudských izolátov vírusu chrípky. Naklonovali sme PB1-F2 opdivodený z vírusu vtácej chrípky H5N1 a popri PB1-F2 ľudského pôvodu H1N1 sa nám podarilo pomocou westrenblotovej analýzy ukázať že mutácie v targetových lyzínových aminokyselinách stabilizujú PB1-F2 bez ohľadu na hostiteľský pôvod vírusu. Pripravili sme reportérový systém pre kvantitatívne stanovenie indukcie IFN Beta, ktorého funkčnosť sme overili a reporterový essey sme použili na štúdium vplyvu ľudského a vtáčieho PB1-F2 na indukciu IFN beta promótoru v ľudských bunkách. Pripravili sme rekombinantné vírusy chrípky sekrétujúce reportérový enzým a infekčnosť a kompatibilitu s in vivo imagingom

Vedecké výstupy:

PRÁZNOVSKÁ, Margaréta - KOŠÍK, Ivan - KOTLÁROVÁ, Lucia - KOSTOLANSKÝ, František - RUSS, Gustáv. DNA vakcinácia voči vírusu chrípky typu A. In Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 619 - 623. ISBN 978-80-223-3592-8.

KOŠÍK, Ivan - PRÁZNOVSKÁ, Margaréta - KREJNUSOVÁ, Ingrid - RUSS, Gustáv. Stability of the PB1-F2 represents central determinant of its biological behaviour. In Tomáškovy dny 2014 : XXIII. konference mladých mikrobiológů. - Brno : Masarykova univerzita, 2014, p. 17. ISBN 978-80-210-6805-6.

KOŠÍK, Ivan - PRÁZNOVSKÁ, Margaréta - KOŠÍKOVÁ, Martina - VAREČKOVÁ, Eva - KOSTOLANSKÝ, František - POLÁKOVÁ, Katarína - RUSS, Gustáv. Ubiquitination of the influenza A virud PB1-F2 protein in crucial for its biological functions. In Book of abstracts - The Fifth ESWI Influenza Conference 2014. - Laarne, Belgium : European Scientific Working group on Influenza, 2014, p.

PRÁZNOVSKÁ, Margaréta - KOŠÍK, Ivan - KOŠÍKOVÁ, Martina - KOTLÁROVÁ, Lucia - VAREČKOVÁ, Eva - VAREČKOVÁ, Eva - RUSS, Gustáv - KOSTOLANSKÝ, František. DNA vakcína exprimujúca PB1 protein vírusu chrípky typu A chráni myši pred laterálnou infekciou. In Tomáškovy dny 2014 : XXIII. konference mladých mikrobiológů. - Brno : Masarykova univerzita, 2014, p. 77. ISBN 978-80-210-6805-6.

8.) Myší herpetický vírus ako model na štúdium ľudských onkogénnych herpesvírusov: vírusový imunomodulátor M3 proteín a faktory významné pre šírenie vírusu medzi hostiteľmi

Murine herpesvirus, a model to study human oncogenic herpesviruses: viral immunomodulator M3 protein and factors important for virus spread among hosts

Zodpovedný riešiteľ:	Marcela Kúdelová
Trvanie projektu:	1.1.2013 / 31.1.2016
Evidenčné číslo projektu:	2/0091/13
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV

Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 10627 €

Dosiahnuté výsledky:

Identifikovali sme optimálne podmienky purifikácie rekombinantného proteínu M3 Myšieho herpetického vírusu s a bez signálnej sekvencie exprimovaného v *E. coli*, ktoré umožňujú zachovať biologické vlastnosti proteínu.

V skupine 312 voľne žijúcich na území juhozápadného Slovenska (47°58'35'' N, 17°22'50'' E) dospelých kliešťov *Dermacentor reticulatus*, druhého najčastejšie sa vyskytujúceho druhu v strednej a centrálnej východnej Európe, sme testovali prítomnosť vírusu Myšieho herpetického vírusu. Pomocou PCR špecifickej pre ORF50 sme detekovali DNA MHV-68 v 40% (n=125) kliešťov, pričom 9.7% a 66% kliešťov zozbieraných na jeseň r.2012 a nasledujúcu jar bolo pozitívnych. Na jar r.2012 bolo približne 1,4 krát viac vírus pozitívnych samičiek ako samcov kliešťov. Táto štúdia po prvý raz dokázala prítomnosť DNA MHV-68 u troch druhov kliešťov (*D. reticulatus*, *Ixodes ricinus* a *Haemaphysalis concinna*) zozbieraných na území Slovenska podporujúc hypotézu, že krv cicajúce kliešte by mohli byť faktorom, ktorý sprostredkúva cirkuláciu MHV-68 v prírode.

Vedecké výstupy:

Matúšková R., Pančík P., Kúdelová M. (2014). Optimalizácia podmienok izolácie rekombinantného proteínu M3 Myšieho herpetického vírusu bez signálnej sekvencie exprimovaného v *E. coli*. ŠVK PriF UK 2014, Bratislava, 9. apríl 2014, Bratislava. Zborník recenzovaných príspevkov, ISBN 978-80-223-3592-8, pp 448-452

Matúšková R., Pančík P., Kúdelová M. (2014). Optimalizácia podmienok exprese a izolácie rekombinantného proteínu M3. Čo nového v mikrobiológii, Konferencia mladých mikrobiológov, Štrbské Pleso 13.-16. 3. 2014, Zborník recenzovaných článkov konferencie mladých mikrobiológov [Bratislava-Praha ČSSM, 2014. CD-ROM, ISBN 978-80-971422-2-3, pp 246-250

Vrbová M., Špitálska E., Slovák M., Kúdelová M. (2014). Molekulárna detekcia Myšieho herpetického vírusu u voľne žijúcich kliešťov *Dermacentor reticulatus*. ŠVK PriF UK 2014, Bratislava, 9. apríl 2014, Bratislava. Zborník recenzovaných príspevkov, ISBN 978-80-223-3592-8, pp 826-831

Kúdelová M, Vrbová M, Špitálska E, Slovák M, Bartíková P, Štibrániová I (2014). The incidence of Murine herpesvirus 68 in wild ticks *Dermacentor reticulatus* occurring in territory of Slovakia. VIII International Conference on Ticks and Tick-borne Pathogens (TTP8) & 12th Biennial Conference of the Society for Tropical Veterinary Medicine (STVM), August 24-29, 2014 Cape Town, South Africa

Vrbová M, Kovaľová A, Špitálska E, Slovák M, Matúšková R, Kúdelová M (2014). The incidence of Murine herpesvirus 68 in wild ticks *Dermacentor reticulatus* and sympatric ticks *Ixodes ricinus* and *Haemaphysalis concinna* in Slovakia. XXIII. Tomasek days, 5-6. 6. 2014, Brno, Czech Republic, ISBN 978-80-210-6805-6, p82

9.) Objasnenie mechanizmov perzistentnej infekcie a šírenia vírusu Lymfocytárnej choriomenin- gitídy

*Characterisation of some mechanisms of persistence and spreading of the lymphocytic
choriomeningitis virus*

Zodpovedný riešiteľ:	Martina Labudová
Trvanie projektu:	1.1.2012 / 31.12.2015
Evidenčné číslo projektu:	2/0146/12
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 7318 €

Dosiahnuté výsledky:

V treťom roku riešenia sme infikovali bunky NIH3T3 vírusom LCM kmeňom clone 13, ktorý je perzistentným kmeňom. Sledovali sme jeho prítomnosť v jednotlivých pasážach pomocou PCR po izolácii RNA z média ako aj z buniek. Sledovali sme prítomnosť všetkých vírusových génov (NP, GP, ZP a L) v PCR ako aj imunofluorescenciou a metódou western blot (prítomnosť NP). Okrem toho sme kmeňom MX infikovali bunky renálneho karcinómu a sledovali sme jeho vplyv na expresiu onkologického markera CAIX.

Vedecké výstupy:

Ševčíková A, Šimko V, Pastoreková S, Pastorek J, Labudová M. Lymphocytic choriomeningitis virus infection affects the carbonic anhydrase 9 expression through the HIF-1 α signalisation pathway in renal carcinoma cell line. XXIV Biochemický zjazd SSBMB a ČSBMB, Bratislava 2014, str.182

Prednáška: Labudová M. Interakcia vírusu lymfocytárnej choriomeningitídy s bunkou a jej dôsledky. Sympóziu k aktuálnym problémom súčasnej transplantológie, Bratislava 2014.

10.) Identifikácia interakcií rastlinných faktorov a neštruktúrnych vírusových proteínov rodu Potyvirus a ich využitie na pochopenie systému prirodzenej obranyschopnosti rastlín.

Identification of interactions between plant factors and non-structural viral proteins from genus Potyvirus and their using to understand of plant natural defense system

Zodpovedný riešiteľ:	Slavomíra Nováková
Trvanie projektu:	1.1.2012 / 21.12.2014
Evidenčné číslo projektu:	2/0156/12
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 6043 €

Dosiahnuté výsledky:

Cieľom predkladaného projektu bolo zistenie odlišností medzi dvomi kultivarmi cukety C. pepo (Zelená-citlivá, Jaguár-čistočne rezistentná) rozdielnymi v odpovedi na vírusovú infekciu. Infekcia bola navodená agresívnym izolátom žltej mozaiky cukety (zucchini yellow mosaic virus), ZYMV-H. Izolát ZYMV-H bol spolu s bezpríznakovým izolátom ZYMV-SE04T plnôdlžkovo sekvenovaný a in silico analýzou vzájomne porovnaný s ďalšími piatimi fylogeneticky príbuznými izolátmi. Bolo

identifikovaných 5 rozdielov na úrovni aminokyselín vo vnútri proteínov HC-Pro, P3 a N1b. Odlišnosti v oboch kultivároch boli sledované na úrovni zmien proteínovej expresie v dvoch časových intervaloch, 6 a 15 dni po infekcii. Na štúdium zmien bola použitá 2-DE elektroforéza a na ňu nadväzujúca hmotnostná spektrometria (LC-MS/MS TOF TOF). V 6 dni po infekcii sme identifikovali 23, a v 15 dni po infekcii 19 štatisticky významných rozdielne exprimovaných proteínov. Väčšina z nich patrila do funkčnej kategórie energia (fotosyntéza+karbohydrátový metabolizmus) a stresové a infekciou indukované proteíny (6 dpi: 84.2%, 15 dpi: 87.5%). Zistili sme, že zmeny v proteóme cukety indukované ZYMV infekciou v skorej fáze po infekcii (6 dpi) boli asociované s aktiváciou proteínov podieľajúcich sa na obranných mechanizmoch spojených s bunkovou homeostázou v čiastočne rezistentnej odrode Jaguár. V rovnakom časovom okamihu, v citlivom kultivare Zelená boli aktivované mechanizmy pre uchovanie fotosyntézy. Analýza súčasne ukázala oneskorený nástup infekcie v čiastočne rezistentnom kultivare, čo plne korešpondovalo s fenotypickými príznakmi na listoch.

Výsledky boli prezentované na 2 medzinárodných konferenciách (Rakúsko, Česká Republika) a publikované v časopise Acta virologica. Druhá publikácia je v stave posudzovania v časopise Frontiers in Plant Science.

Vedecké výstupy:

NOVÁKOVÁ, Slavomíra - FLORES - RAMÍREZ, Gabriela - ŠKULTÉTY, Ľudovít - DANCHENKO, M. - SVOBODA, J. - ŠUBR, Zdeno W. - GLASA, Miroslav. Proteomic analysis of the plant-virus interaction in two cultivars of zucchini /Cucurbita pepo/ with different behaviour to the ZYMV infection. In Plant Gene Discovery & "Omics" Technologies : International plat conference. Proceedings of abstracts. - Vienna, 2014, p. 36

NOVÁKOVÁ, Slavomíra - FLORES - RAMÍREZ, Gabriela - ŠKULTÉTY, Ľudovít - DANCHENKO, M. - SVOBODA, J. - GLASA, Miroslav. Comparative proteomics as a tool to study differences in response of two zucchini cultivars toward the Zucchini yellow mosaic virus infection. In Bulletin České společnosti experimentální biologie rostlin 2014, 6. Metodické dny, sborník abstrakt. - Jezerka Seč, 2014, p. 100

NOVÁKOVÁ, Slavomíra - SVOBODA, J. - GLASA, Miroslav (2014). Analysis of the complete sequences of two biologically distinct Zucchini yellow mosaic virus isolates further evidences the involvement of a single amino acid in virus pathogenicity. In Acta Virologica 58, 368-371
NOVÁKOVÁ, Slavomíra - FLORES - RAMÍREZ, Gabriela - GLASA, Miroslav - DANCHENKO, M. - ŠKULTÉTY, Ľudovít. Partially resistant Cucurbita pepo cultivar showed late onset of the Zucchini yellow mosaic virus infection due to rapid activation of defense mechanisms as compared to susceptible variety. In Frontiers in Plant Sciences, submitted

11.) Štúdium mechanizmov imunitnej odpovede hostiteľa na Rickettsia akarii a jeho variantu rezistentného na antibiotiká

Mechanism of Innate Immune responsiveness to Rickettsia akarii and its antibiotic resistance variant

Zodpovedný riešiteľ:	Marco Quevedo Diaz
Trvanie projektu:	1.1.2012 / 21.12.2015
Evidenčné číslo projektu:	2/0193/12
Organizácia je koordinátorom projektu:	áno

Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 3593 €

Dosiahnuté výsledky:

Vypracovali sme metodiku pre kultiváciu, izoláciu a purifikáciu buniek divého a ATB-rezistentného variantu *R. akari* vo Vero bunkách.

Zistili sme rozdiely medzi divým a ATB-rezistentným variantom *R. akari*. Schopnosť tvoriť plaky, odlišnosti na proteínovej úrovni a rozdielna expresia niektorých génov u ATB-rezistentného variantu predstavujú markantné rozdiely v porovnaní s divým kmeňom.

Vypracovali sme nový postup purifikácie rickettsií pomocou neionického detergentu digitonínu, ktorý je schopný rozbiť membránu hostiteľských buniek bez porušenia rickettsiových častíc.

Vedecké výstupy:

L. Berthová, J. Valariková, M. Quevedo Diaz, E. Špitalská. Detection of Rickettsia spp. in ticks and hosts from central part of Slovakia. V4 Parasitological Meeting. Parasites in the Heart of Europe. Book of Abstracts. May 25-30, 2014, p. 63-64.

M. Boháčsova, A. Opattová, Z. Sekeyová, P. Filipčík, J. Valariková, M. Quevedo Diaz, M. Novák. Propagation of Rickettsiae in corticohippocampal neuronal cells. XXIII Konferencie mladých mikrobiologov. Tomáškov dni, Brno 2014. Sborník p.58.

12.) Štúdium indukovanej reaktívácie ľudských onkogénnych herpesvírusov na modeli latentne infikovanej myši s Myším herpesvírusom

Study on induced reactivation of human oncogenic herpesviruses on the model of mice latently infected with

Zodpovedný riešiteľ:	Ingeborg Režuchová
Trvanie projektu:	1.1.2012 / 31.12.2015
Evidenčné číslo projektu:	2/0185/12
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 9629 €

Dosiahnuté výsledky:

Charakterizovali sme latentnú infekciu MHV72 v porovnaní s prototypovým kmeňom MHV68. Počas štúdie ex vivo reaktívácie MHV72 indukovanej trichostatínom A sme zistili, že de novo produkcia vírusu MHV72 je signifikantne redukovaná oproti MHV68 vo všetkých sledovaných latentne infikovaných orgánoch (pľúca, slezina, týmus). Výsledky získané metódou plakovej titrácie sme potvrdili kvantifikáciou počtu kópií vírusového genómu pomocou real-time PCR.

Identifikovali sme schopnosť myších gamaherpesvírusov indukovať expresiu IFN- γ in vitro, v bunkách BHK-21 po infekcii MHV68, MHV72 alebo MHV4556. Navyše, identifikovali sme in vitro antivírusovú aktivitu rekombinantného interferónu voči týmto vírusom, v skorých štádiách infekcie buniek BHK-21.

Charakterizovali sme antivírusovú aktivitu IFN- γ voči dvom kmeňom vírusu herpes simplex 1, vysoko patogénnemu kmeňu ANGpath a mierne patogénnemu kmeňu KOS. Antivírusová odpoveď bola sledovaná in vitro v bunkách Vero, ktoré majú nedostatočnú produkciu IFN I. typu, a vo Vero E6 bunkách, ktoré produkujú IFN- γ po vírusovej infekcii, aj keď sú deficientné v produkcii IFN I. typu. Výsledky ukázali, že rekombinantný IFN- γ indukuje v bunkách Vero vyššiu antivírusovú aktivitu voči ANGpath kmeňu, než voči kmeňu KOS. Vero E6 bunky, endogénne exprimujúce IFN- γ , tiež indukovali vyššiu antivírusovú aktivitu voči kmeňu ANGpath, než voči kmeňu KOS, ale antivírusová aktivita IFN- γ bola zistená neskôr.

Vedecké výstupy:

LOPUŠNÁ, K. - REŽUCHOVÁ, I. - KABÁT, P. - KÚDELOVÁ, M. Antiviral activity of IFN- γ (IL-29) against Herpes simplex virus 1. Acta virologica No. 4, vol. 58: 331-338, 2014.
doi:10.4149/av_2014_03_331.

BENKÓCZKA, Timea - REŽUCHOVÁ, Ingeborg - LOPUŠNÁ, K. - KABÁT, Peter. Myšie herpetické vírusy MHV-68, MHV-72 a MHV-4556 indukujú rozdielnu expresiu interferónov typu III (lambda 1, 2 a 3) in vitro. In Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 42 - 47. ISBN 978-80-223-3592-8.

LAPUNÍKOVÁ, Barbora - KÚDELOVÁ, Marcela - LOPUŠNÁ, K. - REŽUCHOVÁ, Ingeborg. Contribution to the knowledge on latency of murine gammaherpesviruses: a study on MHV-72 by induced reactivation ex vivo. In Tomáškovy dny 2014 : XXIII. konference mladých mikrobiológů. - Brno : Masarykova univerzita, 2014, p. 69. ISBN 978-80-210-6805-6.

LOPUŠNÁ, K. - KÚDELOVÁ, Marcela - KABÁT, Peter - REŽUCHOVÁ, Ingeborg. Mechanisms involved in signal transduction of latency establishment and reactivation of murine gammaherpesvirus, a model for study on human oncogenic herpesviruses. In Tomáškovy dny 2014 : XXIII. konference mladých mikrobiológů. - Brno : Masarykova univerzita, 2014, p. 71. ISBN 978-80-210-6805-6.

Vyžiadaná prednáška: Režuchová I. 2014. The role of epigenetic regulation in murine gammaherpesvirus latency and reactivation. Discussion Forum 2014 - Host Pathogen Interaction, Máj 12-15., Mikulov, Česká republika.

13.) Porovnanie špecifických markerov vhodných na detekciu rickettsií, legionelóz (Coxiella burnetii) a im príbuzných vnútrobunkových baktérií

Comparison of specific markers suitable for detection of rickettsiae, legionellae (Coxiella burnetii), and related intracellular bacteria

Zodpovedný riešiteľ:	Zuzana Sekeyová
Trvanie projektu:	1.1.2011 / 31.12.2014
Evidenčné číslo projektu:	2/0031/11
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 7486 €

Dosiahnuté výsledky:

Rozpracovali sme tému výskytu rôznych bakteriálnych patogénov v zriedkavých parazitoch kliešťov, osičkách (*Ixodiphagus hookeri*). Molekulárne biologickými metódami sme v nich potvrdili nie len výskyt rickettsií ale aj nedávno novo objavenej baktérie *Arsenophonus nasoniae*. Výskyt menovaného patogénu je v kliešťoch unikátny a zjavne viazaný na prítomnosť a vývojový cyklus osičiek. Práca je v štádiu prípravy na publikáciu.

Venovali sme sa štúdiu vplyvu rickettsií na bunky mozgu. V in vitro systéme sme ich množili v primárnych kultúrach hypokampálnych buniek mozgu. Následne sme biochemickými meraniami zaznamenávali zmeny v hladinách bunkových produktov (napr. ATP) a pozorovali štrukturálne zmeny proteínov, ktoré nastávajú ako následok rickettsiálnej infekcie. Riešenie uvedenej témy vyžaduje vzhľadom na jej náročnosť a komplexnosť dlhší čas, preto publikačné výstupy z tejto práce očakávame až v ďalšom roku.

Riešitelia tohto projektu sa podieľali aj na identifikácii proteínov *Coxiella burnetii*. Zamerali sa najmä na povrchovo uložené proteíny, ktoré sú situované v membráne *C. burnetii*. Na získanie výsledkov pri tejto téme úspešne využili tri rôzne metódy purifikácie proteínov. Porovnali klasickú metódu izolácie proteínov využívajúcu Triton X-114 s dvomi modernejšími postupmi vhodnými na izoláciu alkalických proteínov: a/ pomocou "liquid-phase IEF", a b/ "enzymatickým holením" povrchových buniek pomocou biologicky funkčných magnetických guľčiek. Následne odhalili a bližšie analyzovali 2026 proteínových sekvencií pomocou siedmich bioinformatických algoritmov, čím úspešne stanovili nie len ich predpokladanú lokalizáciu (OMP, alebo LP) ale aj ich afiliáciu k jednotlivých funkciám prebiehajúcim v rámci biorytmu *C. burnetii*.

Vedecké výstupy:

Flores-Ramirez G, Jankovicova B, Bilkova Z, Miernyk JA, Skultety L.: Identification of *Coxiella burnetii* surface-exposed and cell envelope associated proteins using a combined bioinformatics plus proteomics strategy.

Proteomics. 2014 Aug;14(16):1868-81. doi: 10.1002/pmic.201300338. Epub 2014 Jul 15.

Bohácsová M., Opattová A., Sekeyová Z., Filipčík P., Valáriková J., Quevedo-Diaz M., Novák M.: Propagation of *Rickettsiae* in corticohippocampal neuronal cells. XXIII. Konferencie mladých mikrobiológov, Tomáškovy dny 2014, Masarykova univerzita, Brno 2014.

14.) Modulácia imunogenicity HA2 imunogénu ako potenciálneho kandidáta na prípravu krížovo-protektívnej chrípkovej vakcíny

Modulation of immunogenicity of HA2 immunogen as potential candidate for preparation of cross-protective influenza vaccine

Zodpovedný riešiteľ:	Zuzana Staneková
Trvanie projektu:	1.1.2014 / 31.12.2017
Evidenčné číslo projektu:	2/0153/14
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 9510 €

Dosiahnuté výsledky:

Cieľom tohto projektu je zvýšenie imunogenicity kmeňovej časti HA2gp „odmaskovaním“ jeho krížovo-reaktívnych B-bunkových epitopov po odstránení globulárnej variabilnej časti hemaglutinínu (HA) a sledovanie protektívneho účinku pripravených delečných variantov HA po chrípkovej infekcii in vivo. Pripravili sme headless konštrukty hemaglutinínu vírusu chrípky H3 a H1 subtypu. Imunizáciou myší s týmito konštruktami sme získali hyperimúnne séra, v ktorých sme stanovili prítomnosť HA2-špecifických protilátok. Zároveň sme sledovali heteroprotektívny účinok imunizácie s delečnými variantami HA v porovnaní s imunizáciou s celým HA. Výsledky sú súčasťou diplomovej práce K. Tomčíkovej pod vedením vedúcej projektu.

15.) Aplikácia magnetických mikročastíc s kovalentne naviazaným proteolytickým enzýmom a hmotnostnej spektrometrie na identifikáciu povrchovo – asociovaných proteínov *Coxiella burnetii*

Application of magnetic microspheres covalently bound proteolytic enzyme and mass spectrometry on surface-associated protein identification of Coxiella burnetii

Zodpovedný riešiteľ:	Ľudovít Škultéty
Trvanie projektu:	1.1.2011 / 31.12.2014
Evidenčné číslo projektu:	2/0156/11
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 14119 €

Dosiahnuté výsledky:

Najvýznamnejšou úlohou tohto projektu bolo odhaliť povrchovo-lokalizované a s bunkovou stenou asociované proteíny *C. burnetii*, ktoré môžu hrať významnú úlohu v patogenéze a protektívnej imunite. Navrhli sme komplementárnu stratégiu založenú na (i) "in silico" predikcii a (ii) inventarizácii proteómového zloženia využitím troch obohacovacích prístupov spojených s identifikáciou proteínov, a to vrátane enzymatického opracovania povrchu pomocou funkcionalizovaných magnetických mikročastíc. Z 2026 sekvencií bolo pomocou siedmych bioinformačných algoritmov určených 157 ako proteíny vonkajšej membrány (OMP) alebo lipoproteíny (LP). Pomocou obohacovacím protokolom sme následne identifikovali 196 neredundantných proteínov, vrátane 39 OMP a/alebo LP, 32 slabو charakterizovaných proteínov a 17 efektorov sekréčného systému typu IV. Zároveň sme odhalili osem proteínov s "moonlightovou" aktivitou a niekoľko proteínov, u ktorých bola preukázaná asociácia s povrchom v dôsledku tvorby komplexov s OMP a/alebo LP.

Vedecké výstupy:

FLORES - RAMÍREZ, Gabriela - JANKOVIČOVÁ, B. - BILKOVÁ, Z. - MIERNYK, J.A. - ŠKULTÉTY, Ľudovít. Identification of *Coxiella burnetii* Surface-Exposed and Cell Envelope Associated Proteins Using a Combined Bioinformatics plus Proteomics Strategy. In Proteomics, 2014, vol. 16, p. 1868 - 1881. (3.973 - IF2013). (2014 - Current Contents). ISSN 1615-9853. Typ: ADCA

PLICOVÁ, Lenka - ONDREJKOVÁ, Ivana - FLORES - RAMÍREZ, Gabriela - DANCHENKO, Maksym - ŠKULTÉTY, Ľudovít. Immunoreactive proteins of *Coxiella burnetii* recognized by immobilized

polycloal antibodies isolate from human sera. In Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 594 - 599. ISBN 978-80-223-3592-8. Typ: AED

ŠKULTÉTY, Ľudovít - FLORES - RAMÍREZ, Gabriela - TOMAN, Rudolf - VADOVIČ, Pavol - DANCHENKO, Maksym - HAVLÍČEK, V. Biomarkers associated with virulence and pathogenesis of Coxiella burnetii. In Book of Abstracts 3rd Annual Conference of the Czech Society for Mass Spectrometry. - Hradec Králové, 2014, p. Th0 - 005. Typ: AFG

16.) Úloha vtákov a cicavcov v cirkulácii vektormi prenášaných baktérií a krvných parazitov v urbánnych a silvatických ohniskách

The role of birds and mammals in the circulation of vector-borne bacteria and blood parasites in urban and sylvatic foci

Zodpovedný riešiteľ:	Eva Špitalská
Trvanie projektu:	1.1.2013 / 31.12.2016
Evidenčné číslo projektu:	2/0061/13
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	Vega: 8561 €

Dosiahnuté výsledky:

Porovnali sme výskyt kliešťov a kliešťami - prenášaných mikroorganizmov v urbánnych (cintoríny a parky v Bratislave, Malackách a Martine) a silvatických lokalitách (Martinské hole v 3 rôznych nadmorských výškach 600 m, 800 m a 1000 m n.m.). Rickettsia spp. bola zistená v 9% kliešťov Ixodes ricinus. Rickettsia-infikované kliešte boli prítomné na urbánnych i silvatických lokalitách rôznych nadmorských výšok. Dominantným druhom bola R. helvetica (77 z 87), vyskytovala sa aj R. monacensis (8 z 87). Oba zistené druhy rickettsií sú patogénne pre človeka. Tieto výsledky vyzdvihujú potrebu porozumenia cirkulácie rickettsií ako v urbánnych tak i silvatických miestach s rôznymi nadmorskými výškami.

Vedecké výstupy:

Švehlová, A., Berthová, L., Sallay, B., Boldiš, V., Sparagano, O.A.E., Špitalská, E. Sympatric occurrence of Ixodes ricinus, Dermacentor reticulatus and Haemaphysalis concinna ticks and Rickettsia and Babesia species in Slovakia (2014) Ticks and Tick-borne Diseases, 5, 600-605. <http://dx.doi.org/10.1016/j.ttbdis.2014.04.010>

Špitalská E, Boldiš V, Derdáková M, Selyemová D, Rusňáková Tarageľová V. Rickettsial infection in Ixodes ricinus ticks in urban and natural habitats of Slovakia. Ticks and Tick-borne Diseases 2014, 5 (2), 161–165. <http://dx.doi.org/10.1016/j.ttbdis.2013.10.002>

17.) Bioaktívne látky v slinách kliešťov a ich možné využitie v riadení bunkových procesov za fyziologických a patofyziologických podmienok

Bioactive molecules in tick saliva and their exploitation in the regulation of cell processes in physiological and pathological conditions

Zodpovedný riešiteľ:	Iveta Štibrániová
Trvanie projektu:	1.1.2013 / 31.12.2016
Evidenčné číslo projektu:	2/0089/13
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 9760 €

Dosiahnuté výsledky:

Pripravili sme si extrakty slinných žliaz(SGE) rôznych druhov kliešťov, *Amblyomma variegatum*, *Hyalomma excavatum* a *Dermacentor reticulatus* z rôznych fáz cicania (začiatok a koniec), schopných viazať TGFb1. Sledovali sme ich efekt na biologické procesy riadené TGFb1, vnútrobunkový signaling kontrolovaný TGFb1 a na motilitu buniek regulovanú TGFb1. Testovali sme SGE samíc kliešťov pričom sme predbežne detegovali rozdiely medzi druhmi. V prípade ovplyvňovanie TGFb1-regulovaného signalingu cez SMAD4 sme zistili, že v počiatočných fázach cicania dochádza skôr k stimulácii SMAD4 signálnej dráhy, kým v SGE pripravené v neskorších fázach cicania SMAD4 signálne dráhy TGFb1 neovplyvňuje. Len v prípade *D. reticulatus*, samíc, dochádzalo k inhibícii. Testovali sme vplyv SGE na migráciu buniek regulovanú TGFb1, a predbežné výsledky naznačujú, že SGE rôznych druhov kliešťov síce migráciu stimulovanú TGFb1potláčajú, ale pravdepodobne sa to deje procesom nezávislým od inhibície/ vyviazania TGFb1. Testujeme tiež vplyv látok z SGE na expresiu génov zapojených v hojení rán, v angiogenéze a pod. Experimenty stále pokračujú, a vyžadujú si ďalšie opakovania.

Vedecké výstupy:

1, M. SLOVÁK,I. ŠTIBRÁNIOVÁ,V. HAJNICKÁ & P. A. NUTTALL: "Antiplatelet-derived growth factor (PDGF) activity in the saliva of ixodid ticks is linked with their long mouthparts", *Parasite Immunology*, 2014, 36, 32–42.

Pavlina Bartikova, Iveta Stibraniova, Viera Holikova, Mirko Slovak, Maria Kazimirova, Valeria Hajnicka: „Ticks with long hypostome induce morphological changes in different cell lines.“, Joint 8th International Ticks and Tick-borne Pathogens (TTP-8) and 12th Biennial Society for Tropical Veterinary Medicine (STVM) Conference, 24-29 August 2014, Cape Town, South Africa, abstract book, p-81(poster)

Iveta Stibraniova, Paulina Bartikova, Mirko Slovak, Viera Holikova, Maria Kazimirova, Valeria Hajnicka,: „Long mouthparts ticks versus short mouthparts ticks in anti-growth factors activities“, Joint 8th International Ticks and Tick-borne Pathogens (TTP-8) and 12th Biennial Society for Tropical Veterinary Medicine (STVM) Conference, 24-29 August 2014, Cape Town, South Africa, abstract book p.82(poster)

Iveta Stibraniova, Mirko Slovak, Maria Kazimirova: „Effects of immunization with the tick-derived AvPDI protein on feeding and metamorphosis of different tick species and transmission of *Borrelia*

afzelii by Ixodes ricinus“, Joint 8th International Ticks and Tick-borne Pathogens (TTP-8) and 12th Biennial Society for Tropical Veterinary Medicine (STVM) Conference, 24-29 August 2014, Cape Town, South Africa, abstract book p.134(poster)

Bartiková p., Štibrániová I., Slovák M., Holíková V., Hajnická V.: A manipulation of wound healing process by tick saliva (oral presentation), Workshop on Ticks and Tick-borne diseases, Berlin, September 30th-october 2nd, 2014, p. 50

18.) Tranzientná expresia cudzorodých génov v rastlinách pomocou vektora na báze vírusu šarky slivky

Transient expression of foreign genes in plants using a plum pox virus-based vector)

Zodpovedný riešiteľ:	Zdeno Šubr
Trvanie projektu:	1.1.2012 / 31.12.2014
Evidenčné číslo projektu:	2/0008/12
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 6068 €

Dosiahnuté výsledky:

Za účelom extrakcie proteínu PB1-F2 po jeho heterológnej expresii z rastlín sme testovali aplikáciu rôznych detergentov, resp. chaotropných činidiel. Pri použití CHAPS, Triton X-100, či ich kombinácie sme nedosiahli zvýšenie solubility proteínu.

Veľmi dobrý výťažok exprimovaného PB1-F2 sme dosiahli izoláciou pomocou TRIzolovej metódy. Postup vedie k získaniu denaturovaného proteínu a je vhodný napr. pre prípravu kvalitných vzoriek pre analýzu v SDS-PAGE. TRIzolom pripravené vzorky dávali intenzívne a čisté bandy v imunoblote, neriešili však dva zásadné problémy – postup nevedie k prečisteniu a produkt vyžaduje renaturáciu pre ďalšie využitie. V snahe minimalizovať obsah celkových proteínov vo vzorke sme testovali izoláciu z koreňov, kde vzhľadom na absenciu protoplastov je chudobnejšie proteínové spektrum. Extrakcia z koreňov rastlín síce viedla k získaniu čistejšieho proteínu, avšak za cenu výrazne nižšieho výťažku s potrebou veľkého množstva vstupného materiálu. Testovali sme aj extrakciu za miernejších podmienok potenciálne reverzibilnej denaturácie s použitím najbežnejších chaotropných činidiel – guanidínium chloridu a močoviny. Zatiaľ čo v prvom prípade bol výťažok PB1-F2 pomerne nízky, extrakciou do 8 M močoviny sme asi polovicu exprimovaného proteínu previedli do rozpustného stavu.

Napriek tomu, že PB1-F2 sa nám zatiaľ nepodarilo ani parciálne purifikovať, považujeme rastlinný expresný systém pri jeho produkcii za perspektívny, predovšetkým kvôli jeho robustnosti – umožňuje získať s minimálnymi nákladmi stovky gramov hmoty infikovaných rastlín ako východiskový materiál pre ďalšie experimenty, pričom (vzhľadom na toxicitu fenolu) za najvhodnejší ďalší krok v preparatívnej purifikácii považujeme extrakciu močovinou a následnú renaturáciu.

Expresiu iných proteínov v rastlinách s použitím nami pripraveného vírusového vektora je potrebné vždy individuálne optimalizovať.

Vedecké výstupy:

Kamencayová M., Košík I., Hunková J., Šubr Z.W. (2014): Transient expression of the influenza A virus PB1-F2 protein using a Plum pox virus-based vector in *Nicotiana benthamiana*. *Acta Virologica* 58, 274-277

Hunková J., Kamencayová M., Šubr Z. (2014): Kapsidový proteín vírusu mozaiky lucerny ako modelový produkt klonovaný a exprimovaný vírusovým vektorom v rastlinách. In: Galamboš M., Džugasová V., Ševčovičová A. (eds.): Študentská vedecká konferencia Prif UK 2014, Zborník recenzovaných príspevkov. Univerzita Komenského, Bratislava, pp 266-271

Kamencayová M., Šubr Z. (2014): Heterológna tranzientná expresia vírusových proteínov v rastlinách. Čo nového v mikrobiológii, Konferencia Mladých mikrobiológov, 13. -16. marec 2014, Štrbské pleso. Zborník krátkych článkov, ČSSM Bratislava – Praha, pp 80-85

19.) Úloha karbonickej anhydrázy IX v bunkovej migrácii ako zložke metastatickej kaskády

The role of carbonic anhydrase IX in cell migration as a part of metastatic cascade

Zodpovedný riešiteľ:	Eliška Švastová
Trvanie projektu:	1.1.2011 / 31.12.2014
Evidenčné číslo projektu:	2/0130/11
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	3 - Veľká Británia: 3
Čerpané financie:	VEGA: 10134 €

Dosiahnuté výsledky:

Pokračovali sme v štúdiu úlohy CA IX v bunkovej adhézii. Ukázali sme, že prítomnosť CA IX ovplyvňuje schopnosť nádorových buniek prichytiť sa na pevný podklad a vytvoriť adhézne kontakty. Významný podiel na tomto jave má unikátna N-terminálna časť proteínu CA IX. Vypracovali a zaviedli sme tiež metódu merania intracelulárneho pH na úrovni jednotlivých buniek pomocou konfokálnej mikroskopie, ktorá nám umožní v nasledujúcom období zhodnotiť vzťah medzi CA IX a bikarbonátovými transportérmi v špecifických subdoménach plazmatickej membrány.

Vedecké výstupy:

Svastova E, Csaderova L, Debreova M, Radvak P, Stano M, Vrestiakova M, Pastorekova S, Kopacek J. Beyond pH regulation: A role of CA IX in focal adhesion during cell spreading and migration. 3rd International Conference on Tumor Microenvironment and Cellular Stress: signaling, metabolism, imaging and therapeutic targets. Mykonos, Greece. Abstract book, page 70.

Svastova E (Invited lecture). CA IX – a multitasking component of the metastatic cascade. 1st ISCAM Meeting – 5th ISPDC Meeting. Smolenice, Slovakia. Abstract book, p.24.

Debreova M., Csaderova L., Baratova M., Kopacek J., Pastorekova S., Svastova E. (2014). Cancer-related carbonic anhydrase IX promotes focal adhesion formation and remodeling during cell spreading and migration. V: Book of abstracts at the 1st ISCAM Meeting – 5th ISPDC Meeting:

Cancer metabolism: mechanisms, consequences and therapeutic opportunities, Smolenice, Slovakia, 8-11 October 2014, 82-83.

Debreova M., Csaderova L., Vrestiakova M., Pastorekova S., and Svastova E. (2014). Cancer-associated carbonic anhydrase IX facilitates cell adhesion to solid support, potentially contributing to a crucial step of the metastatic cascade. V: Abstracts of papers presented at the EMBO/EMBL Symposium: Tumour microenvironment and signalling, Heidelberg, Germany, 7-10 May 2014, 109.

20.) Štúdium molekulárnych mechanizmov regulácie karbonickej anhydrázy IX a význam jej expresie v kolorektálnych nádoroch

Study of molecular mechanisms of carbonic anhydrase IX regulation and significance of its expression in colorectal cancer

Zodpovedný riešiteľ:	Martina Takáčová
Trvanie projektu:	1.1.2012 / 31.12.2015
Evidenčné číslo projektu:	2/0152/12
Organizácia je koordinátorom projektu:	nie
Koordinátor:	MMC SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	0,-

Dosiahnuté výsledky:

Výsledky: V rámci klinickej časti projektu sme pokračovali v imunohistochemickej analýze expresie CA IX v tkanivových vzorkách získaných od pacientov s primárnym kolorektálnym nádorom resp. s metastázami. Okrem toho sme na spomínaných vzorkách testovali vhodné protilátky na detekciu c-Met a Cox-2 proteínov. V rámci analýzy regulácie expresie CA IX sme pokračovali v analýze promótorovej aktivity génu CA9 v bunkovej línii RKO derivovanej z karcinómu kolorekta. Sledovali sme vplyv jednotlivých komponentov Wnt dráhy ako aj Cox-2 proteínu na aktivitu CA9 promótoru. Uskutočnili sme tiež Signal analýzu na sledovanie jednotlivých signálnych dráh ako aj real-time analýzy v RKO bunkách po opracovaní s LiCl v normoxických ako aj hypoxických podmienkach.

Okrem toho sme úspešne zavŕšili štúdium kooperácie RET onkogénu s transkripčným faktorom HIF pri indukcii expresie CA IX v tyroidných karcinómoch, ktorú sme publikovali v prestížnom medzinárodnom časopise (viď nižšie)

Vedecké výstupy:

Takacova M., Bullova P., Simko V., Skvarkova L., Poturnajova M., Feketeova I., Babal P., Kivela A.J., Kuopio T., Kopacek J., Pastorek J., Parkkila S., Pastorekova S. Expression pattern of carbonic anhydrase IX in medullary thyroid carcinoma supports a role for RET-mediated activation of HIF pathway. Am J Pathol 2014 Feb 8, 184:953-965

Budincová K., Čambal M., Takáčová M. Štúdium nádorového biomarkera karbonickej anhydrázy IX v kolorektálnych nádoroch. Zborník prác z Medzinárodnej študentskej vedeckej konferencie: Aplikované prírodné vedy. Univerzita Sv. Cyrila a Metoda v Trnave, April 30, 2014, p. 74, ISBN 978-80-8105-565-2.

Takacova M., Bullova P., Simko V., Skvarkova L., Poturnajova M., Babal P., Parkkila S., Pastorekova S. Interplay between RET and HIF-1 contributes to CA IX expression in medullary thyroid carcinoma. In Československá biologická společnost. Sborník přednášek a posteru, program : XXI. Biologické dny. Pokroky a výzvy současné nádorové biologie. - Brno : Venice s.r.o., 2014, p. 90. ISBN 978-80-260-6793-1.

Takacova M., Hlouskova G., Zatovicova M., Sedlakova O., Kopacek J., Pastorek J., Pastorekova S. Lacik I. Microencapsulation of anti-carbonic anhydrase IX antibody for tumor targeting. In Československá biologická společnost. Sborník přednášek a posteru, program : XXI. Biologické dny. Pokroky a výzvy současné nádorové biologie. - Brno : Venice s.r.o., 2014, p. 91. ISBN 978-80-260-6793-1.

Takacova M., Bullova P., Simko V., Babal P., Kopacek J., Pastorek J., Parkkila S., Pastorekova S. Expression pattern of carbonic anhydrase IX in medullary thyroid carcinoma supports a role for RET-mediated activation of HIF pathway. In Book of Abstracts, 3rd International Conference on Tumor Microenvironment and Cellular Stress: signaling, metabolism, imaging and therapeutic targets, September 21-26, 2014 Mykonos, p. 102

Takacova M., Bullova P., Simko V., Skvarkova L., Poturnajova M., Feketeova I., Babal P., Kivela A.J., Kuopio T., Kopacek J., Pastorek J., Parkkila S., Pastorekova S. RET-mediated activation of HIF pathway contributes to CA IX expression in medullary thyroid carcinoma. In Book of Abstracts, 1st ISCAM Meeting – 5th ISPDC Meeting: Cancer metabolism: mechanisms, consequences and therapeutic opportunities, October 8-11, 2014 Smolenice, p. 110

21.) Lipopolysacharidy z *Coxiella burnetii* a *Piscirickettsia salmonis*. Štúdium ich chemickej štruktúry a biologickej aktivity v patogenéze a imunitě Q horúčky a piscirickettsiázy
Lipopolysaccharides of Coxiella burnetii and Piscirickettsia salmonis. Studies on their chemical structures and biological activities in pathogenesis and immunity of Q fever and piscirickettsiosis

Zodpovedný riešiteľ:	Rudolf Toman
Trvanie projektu:	1.1.2012 / 31.12.2014
Evidenčné číslo projektu:	2/2026/12
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 5862 €

Dosiahnuté výsledky:

Zistili sme, že v makrofágoch aktivovaných s LPS z *Escherichia coli*, alebo s LPS II z *C. burnetii* dochádzalo ku ko-imunoprecipitácii TLR4 a TLR2. K tomuto javu nedošlo u buniek aktivovaných s LPS I z virulentnej *C. burnetii*. Disrupcia má za následok, že TLR neprenášajú signál počas rozpoznávania LPS I z *C. burnetii*. Disrupcia TLR2 a TLR4 sa indukovala reorganizáciou cytoskeletonu makrofágov s LPS I. Blokovanie aktívom indukovanej reorganizácie cytoskeletonu umožnilo asociáciu TLR2/TLR4 virulentnou *C. burnetii* a obnovilo p38a-MAPK aktiváciu baktérie. Objasnili sme tým jeden z neočakávaných mechanizmov umožňujúcich virulentnej *C. burnetii*

zabrániť aktivácii makrofágov disrupciou asociácie TLR2 a TLR4.

Ďalšie testovanie monoklónovej protilátky (mAb) ukázalo jej vysokú špecifickosť voči virenmie (Vir), ktorá je unikátnym biomarkerom LPS v C. burnetii. Len virulentné izoláty baktérie obsahujúce Vir reagovali s touto mAb. Pre potreby praxe sa mAb v súčasnosti testuje v lateral flow (LFA) assay formáte. Výsledky ukázali veľký aplikačný potenciál testu pre rýchlu a spoľahlivú detekciu infekčného agensu v environmentálnych vzorkách v porovnaní so súčasnými metódami používanými v tejto oblasti.

Vedecké výstupy:

ONTI, F. – BOUCHERIT, N. – BALDASSARE, V. – TROUPLIN, V. – MOTTOLA, G. – TOMAN, R. – MEGE, J.L. – GHIGO, E. Coxiella burnetii lipopolysaccharide blocks p38 γ - MAPK activation through the disruption of TLR- 2 and TLR – 4 association. In Front. Cell. Infect. Microbiol., Vol. 4 (2015), p. 1-6,(2.6- IF2014).

TOMAN, R. – FRIMMELOVA, M. Recent developments in the structural and functional investigations of a lipopolysaccharide from Coxiella burnetii, the causative agent of Q fever. In Frontiers in Immunology 2014 International Conference, July 1-4, 2014, Florence, Italy, Book of Abstracts, p. 31.

TOMAN, R. – FRIMMELOVA, M. Lipopolysaccharide of Coxiella burnetii. A promising candidate molecule in a search for a new Q fever vaccine. In J. Vaccines Vaccin. Vol. 5 (2015), p. 161.

22.) Identifikácia bunkových proteínov ovplyvnených perzistentnou infekciou vírusom lymfocytárnej choriomeningitídy

Identification of the cellular proteins affected by persistent infection with lymphocytic choriomeningitis virus

Zodpovedný riešiteľ:	Jana Tomášková
Trvanie projektu:	1.1.2011 / 31.12.2014
Evidenčné číslo projektu:	2/0128/11
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 6439 €

Dosiahnuté výsledky:

Na skúmanie bunkových zmien, ktoré sú odozvou na perzistentnú infekciu vírusom LCM sme využili 2D-DIGE a MALDI MS/MS analýzy. Porovnaním proteínového profilu HeLa buniek perzistentne infikovaných MX kmeňom vírusu LCM a neinfikovaných HeLa buniek sme identifikovali 34 bunkových proteínov, ktorých expresia sa signifikantne mení a 28 proteínov prítomných iba v jednej vzorke. Proteíny, ktorých expresia bola ovplyvnená vírusovou infekciou zohrávajú úlohu hlavne v biologickej regulácii, v procesoch imunitného systému, transporte, metabolických procesoch a v odpovedi na stres. Taktiež sme zistili, že LCMV infekcia stabilizuje HIF1 alfa proteín a zvyšuje jeho transkripčnú aktivitu ako aj ovplyvňuje aktivitu MAPK-, a PI3K/Akt- and NF- κ B-signalných dráh.

Vedecké výstupy:

Benej M, Danchenko M, Tomášková J. Analysis of cellular proteome alterations in LCMV-infected HeLa cell line. In XXIV. Biochemický zjazd : Zborník prednášok a posterov SSBMB a ČSBMB 2014, 2014, s.113. ISBN 978-80-970164-6-3.

Tomášková J, Ovečková I, Zaťovičová M, Lapošová K, Polčicová K, Lukáčiková Ľ, Pastoreková S, Pastorek J. Impact of LCMV infection on the activity of HIF-regulated signal transduction pathways. In International Union of Microbiological Societies 2014, XIVth International Congress of Bacteriology and Applied Microbiology, XIVth International Congress of Mycology and Eukaryotic Microbiology and XVIth International Congress of Virology (IUMS 2014) Montreal, Canada, July 27 - August 1, 2014 : Abstracts, s. 1043.

Tomášková J. (pozvaná prednáška) Vírus lymfocytovej choriomengitídy- podceňovaný ľudský patogen. In Transplantácie orgánov a vírusové infekcie. Zborník prednášok, Bratislava, 2014.

Lapošová K, Lukáčiková Ľ, Ovečková I, Breza J, Pastoreková S, Pastorek J, Tomášková J. Prevalence of LCMV in patients with renal carcinoma. In International Union of Microbiological Societies 2014, XIVth International Congress of Bacteriology and Applied Microbiology, XIVth International Congress of Mycology and Eukaryotic Microbiology and XVIth International Congress of Virology (IUMS 2014) Montreal, Canada, July 27 - August 1, 2014 : Abstracts, s. 1003.

23.) Medzidruhový prenos vírusov chrípky A a imunita

Interspecies transmission of influenza A viruses and immunity

Zodpovedný riešiteľ:	Eva Varečková
Trvanie projektu:	1.1.2012 / 31.12.2014
Evidenčné číslo projektu:	2/0176/12
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 9734 €

Dosiahnuté výsledky:

Analyzovali sme vírus-špecifickú protilátkovú odpoveď myši na infekciu vtáčimi vírusmi chrípky A (IAV) s cieľom poznať ich protektívny potenciál. Zistili sme, že po opakovanej expozícii vtáčim IAV sú indukované špecifické vírus-neutralizujúce protilátky (VN), bez ohľadu na to, či vírus bol adaptovaný na myši, alebo nie. Tvorba VN protilátok bola ovplyvnená predchádzajúcou infekciou ľudským IAV v závislosti na subtype hemaglutinínu vtáčieho vírusu. V prípade IAV H5 subtypu sme VN protilátky voči H5 vírusu po predchádzajúcej infekcii ľudským IAV nezaznamenali, ale detekovali sme populáciu protilátok redukujúcich replikáciu H5 vírusu. Takéto protilátky môžu vytvárať selekčný tlak na IAV vtáčieho pôvodu čiastočne adaptovaného na nového hostiteľa a môžu posunúť proces adaptácie IAV na cicavcov, alebo eliminovať ho ešte pred jeho adaptovaním na nového hostiteľa a tak spolu-rozhodovať o tom, či sa vírus v ľudskej populácii bude šíriť ďalej a stane sa potenciálne pandemickým vírusom. Študovali sme mechanizmus heteroprotektivity indukovaný konzervatívnymi antigénmi IAV.

Vedecké výstupy:

Janulíková J., Stropkovská A., Bobišová Z., Mucha V., Kostolanský F. and Varečková E.* Sequential infection of mice with human and avian influenza A viruses and its impact on virus neutralizing antibody response. Acta virologica, accepted, január 2015.

Košík I., Práznovská M., Košíková M., Bobišová Z., Varečková E., Kostolanský F., Russ G. Ubiquitination of the influenza A virus PB1-F2 protein is crucial for its biological function. PLOS ONE. Submitted, September 2014, v recenznom konaní.

Wágnerová M., Ančicová L., Chalupková A., Hrabovská Z., Kostolanský F., Varečková E., Mistríková J: Mutually beneficial gammaherpesviral and influenza co-infection. In: Scientia iuvenis. Book of Scientific papers, Slovak Republic, Nitra, 2014. Editors: Hudec Michal and Csáky Antal, p. 63-70, Issue 1. ISBN 978-80-558-0650-1. Publisher : Prírodovedec No. 582, Category: AED- Scientific Papers in domestic peer-reviewed scientific proceedings

KOTLÁROVÁ, Lucia - HOLLÝ, Jaroslav - PRÁZNOVSKÁ, Margaréta - FODOR, Ervín - VAREČKOVÁ, Eva. Vplyv vybraných mutácií v hemagglutínine vírusu chrípky na jeho patogenitu. In Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 367 - 370. ISBN 978-80-223-3592-8. Typ: AED AFG Abstrakty príspevkov zo zahraničných konferencií

Janulíková J., Bobišová Z., Mucha V., Kostolanský F. And Varečková E: Antibody response to successive infection of mice with human and avian influenza A viruses. The Fifth ESWI Influenza Conference 2014, 14th -17th September 2014, Riga, Latvia. Typ: AFG

Kostolanský F.*1, Dugovičová V1., Janulíková J. 1, Mucha V. 1, Mistríková J. 1, Varečková E: Virus dose-dependent neutrophil and lymphocyte proportions in peripheral blood during influenza A infection of mice. The Fifth ESWI Influenza Conference 2014, 14th -17th September 2014, Riga, Latvia. Typ: AFG

Košík I., Práznovská M., Košíková M., Varečková E., Kostolanský F. Poláková K., Russ G: Ubiquitination of influenza A virus PB1-F2 protein is crucial for its biological function. The Fifth ESWI Influenza Conference 2014, 14th -17th September 2014, Riga, Latvia. Typ: AFG
KOTLÁROVÁ, Lucia - HOLLÝ, Jaroslav - PRÁZNOVSKÁ, Margaréta - FODOR, Ervín - VAREČKOVÁ, Eva. Príprava mutantných vírusov chrípky typu A metódou reverznej genetiky. In Tomáškovy dny 2014 : XXIII. konference mladých mikrobiológů. - Brno : Masarykova univerzita, 2014, p. 65. ISBN 978-80-210-6805-6. Typ: AFG

PRÁZNOVSKÁ, Margaréta - KOŠÍK, Ivan - KOŠÍKOVÁ, Martina - KOTLÁROVÁ, Lucia - VAREČKOVÁ, Eva - VAREČKOVÁ, Eva -RUSS, Gustáv - KOSTOLANSKÝ, František. DNA vakcína exprimujúca PB1 protein vírusu chrípky typu A chráni myši pred laterálnou infekciou. In Tomáškovy dny 2014 : XXIII. konference mladých mikrobiológů. - Brno : Masarykova univerzita, 2014, p. 77. ISBN 978-80-210-6805-6. Typ: AFG

HOLLÝ, Jaroslav - VAREČKOVÁ, Eva - KOSTOLANSKÝ, František. Príprava fúzných konštruktov ektodomény M2 proteínu s hemagglutíninom pre DNA vakcináciu proti vírusu chrípky typu A. In Tomáškovy dny 2014 : XXIII. konference mladých mikrobiológů. - Brno : Masarykova univerzita, 2014, p. 62. ISBN 978-80-210-6805-6. Typ: AFG

KOTLÁROVÁ, Lucia - HOLLÝ, Jaroslav - FODOR, Ervín - VAREČKOVÁ, Eva. Reverzná genetika - nástroj na predikáciu pandemického potenciálu vírusov chrípky. In Slovenská epidemiologická a vakcinologická spoločnosť SLS. Program a Zborník Abstraktov XI.Vedecko-odbornej konferencie národných referenčných centier pre surveillance infekčných chorôb v SR. - Bratislava : Ministerstvo zdravotníctva SR, 2014, s. 30. Typ: AFHB

KOTLÁROVÁ, Lucia - HOLLÝ, Jaroslav - PRÁZNOVSKÁ, Margaréta - FODOR, Ervín - VAREČKOVÁ, Eva. Konštrukcia mutantných vírusov chrípky so zmenenou fúzovacíou aktivitou metódou reverznej genetiky. In Drobnicov memoriál : VII. ročník, 16.-18. september, 2013, Bojná. - Bratislava : Ústav fyziológie a genetiky SAV, Bratislava, 2013, s. 76-77. ISBN 978-80-970164-5-6. Typ: AFHB

24.) Regulácia uvoľňovania a biologická úloha solubilnej formy karbonickej anhydrázy IX v medzibunkových interakciách nádorových buniek

Regulation of carbonic anhydrase IX release and biological role of shed ectodomain in tumor cell-cell interactions

Zodpovedný riešiteľ:	Miriám Zaťovičová
Trvanie projektu:	1.1.2012 / 31.12.2015
Evidenčné číslo projektu:	2/0134/12
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 10508 €

Dosiahnuté výsledky:

Pokračovali sme v štúdiu delečného variantu CA IX, ktorý nepodlieha odštiepeniu extracelulárnej časti molekuly (ECD) do medzibunkového priestoru. Okrem schopnosti modulovať migračné vlastnosti buniek, tento variant ovplyvňuje produkciu cytokínov, čo sme dokázali pomocou analýzy profilu sekretómu a membránového proteómu nádorových buniek exprimujúcich tento delečný variant. Zistili sme, že dochádza najmä k zmene produkcie niektorých významných prozápalových a prometastatických cytokínov a rastových faktorov. Identitu týchto faktorov a ich biologický význam v súvislosti s CA IX budeme validovať v nasledujúcom období.

Okrem toho sme skúmali biologické vlastnosti a mechanizmus účinku monoklonovej CA IX-špecifickej protilátky G250, ktorá sa klinicky skúša v imunoterapii nádorov obličiek. Zistili sme, že táto protilátka sa viaže na katalytickú doménu CA IX, podlieha internalizácii a recyklovaniu a má ďalšie vlastnosti vhodné na terapeutické využitie.

Vedecké výstupy:

Zatovicova M, Jelenska L, Hulikova A, Ditte P, Ditte Z, Csaderova L, Svastova E, Schmalix W, Boettger V, Bevan P, Pastorek J, Pastorekova S. Monoclonal antibody G250 targeting CA IX: Binding specificity, internalization and therapeutic effects in a non renal cancer model. Int J Oncol. 2014 Dec;45(6):2455-67.

Vidličková I, Zaťovičová M, Csáderová L, Radvanszka M, Vreštiaková M, Stuchlík S, Pastorek J, Pastoreková S. Shedding of carbonic anhydrase IX ectodomain affects tumor cell phenotype. In Československá biologická spoločnosť. Sborník prednášok a posteru, program : XXI.Biologické dny.

Pokroky a výzvy súčasné nádorové biologie. - Brno : Venice s.r.o., 2014, p. 97. ISBN 978-80-260-6793-1.

25.) Faktory ovplyvňujúce produkciu bunkovo-neviazaných partikul vírusu Marekovej choroby in vivo u kurčiat a in vitro v bunkových kultúrach

Factors effecting production of cell-free Marek's disease virus particles in vivo in chicken and in vitro in cell culture

Zodpovedný riešiteľ:	Vladimír Zelník
Trvanie projektu:	1.1.2014 / 31.12.2017
Evidenčné číslo projektu:	2/0005/14
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA: 3599 €

Dosiahnuté výsledky:

Boli pripravené alebo získané BAC klony rekombinantných vírusov MDV s fluorescenčne-značenými proteínmi:

- BAC20-pp38-eCFP, atenuovaný vírus (Dr. Zelník, vlastný konštrukt),
- pRB1B-UL47-eGFP, onkogénny vírus (Free University Berlin, Dr. Osterrieder),
- pRB1B-UL47-mRFP, onkogénny vírus (Free University Berlin, Dr. Osterrieder);

Po izolácii BAC DNA boli rekombinatné vírusy MDV rekonštituované transfekciou DNA do buniek DF-1. Rekombinantné vírusy MDV boli pomnožené a pripravené pre ďalšie použitie v in vitro a in vivo experimentoch.

Vedecké výstupy:

Žiak J., Koptidesová D., Ovečková I., Rejholcová O., Kopáček J., Kúdelová M., Zelník V. (2014) Ovine herpesvirus 1 (OVHV-1) thymidine kinase locus sequence analysis: evidence that OVHV-1 belongs to the Macavirus genus of the Gammaherpesvirinae subfamily. Acta Virol. 58, 190-193.

Programy: APVV

26.) Charakterizácia nového motívu v M1 proteíne chrípkového vírusu a využitie NS1 delečných mutantov v nádorovej terapii

Characterization of novel motif in M1 protein of influenza A virus and using NS1 deletion mutants in tumor therapy

Zodpovedný riešiteľ:	Tatiana Betáková
Trvanie projektu:	1.10.2013 / 30.9.2017
Evidenčné číslo projektu:	APVV-0676-12
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0

Čerpané financie:	APVV: 41.474 €
--------------------------	----------------

Dosiahnuté výsledky:

Interferón omega sa antigénne líši od IFN-alfa and IFN-beta a môže byť použitý v terapii pacientov, ktorí sú rezistentní na tieto IFN-y. Porovnali sme aktivitu IFN-omega s aktivitou ostatných IFN typu I a IFN typu III v indukovaných A549 bunkách. IFN-omega štatisticky signifikantne inhiboval replikáciu vírusov chrípky, ale jeho aktivita bola nižšia ako aktivita IFN- γ 1a, IFN-lambda1 a IFN-lambda2. IFN-omega vykazoval lepšiu aktivitu ako IFN- γ 2.

Vedecké výstupy:

ŠVANČAROVÁ, Petra - SVETLÍKOVÁ, Darina - BETÁKOVÁ, Tatiana. Synergic and antagonistic effect of small hairpin RNAs targeting the NS gene of the influenza A virus in cells and mice. Virus Research 195, 110-111, 2015. (2.827 - IF2013). ISSN 0168-1702.

27.) Molekulárne mechanizmy spolupôsobenia stresových hormónov a hypoxie v nádorových bunkách: vplyv na expresiu a funkciu nádorového proteínu CA IX (AR-CAIX)

Molecular mechanisms of the crosstalk between stress hormones and hypoxia in tumor cells: effect on expression and function of cancer-related protein CA IX

Zodpovedný riešiteľ:	Lucia Csáderová
Trvanie projektu:	1.7.2012 / 31.12.2015
Evidenčné číslo projektu:	APVV-0893-11
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	APVV: 51.091 €

Dosiahnuté výsledky:

Pokračovali sme v štúdiu účinku karnozínu na hypoxické nádorové bunky. Ukázali sme, že karnozín zvyšuje hladiny HIF-1 α a jeho terčových génov a zároveň znižuje acidifikáciu extracelulárneho pH, čo poukazuje na jeho schopnosť blokať enzymatickú aktivitu hypoxiou-indukovaného proteínu CA IX. Okrem toho sme zistili, že karnozín signifikantne inhibuje rast nádorových sferoidov a xenograftov. Pomocou kompetitívnej ELISA sme dokázali, že karnozín zabraňuje väzbe CA IX s protilátkami voči katalytickej doméne a redukuje tvorbu funkčného metabolónu medzi CA IX a aniónovým transportérom AE2. Naše výsledky ukazujú, že interakcia karnozínu s CA IX vedie ku konformačným zmenám v molekule CA IX, čím narúša pH regulačnú funkciu CA IX. Táto schopnosť spolu s ďalšími vlastnosťami podporuje využitie karnozínu v protinádorovej liečbe.

Vedecké výstupy:

Ditte Z, Ditte P, Labudova M, Simko V, Iuliano F, Zatovicova M, Csaderova L, Pastorekova S, Pastorek J. Carnosine inhibits carbonic anhydrase IX-mediated extracellular acidosis and suppresses growth of HeLa tumor xenografts. BMC Cancer. 2014 May 22;14:358. doi: 10.1186/1471-2407-14-358.

Ditte Z, Ditte P, Labudova M, Simko V, Iuliano F, Zatovicova M, Csaderova L, Kopacek J, Pastorekova S, Pastorek J: Carnosine as a potent inhibitor of the carbonic anhydrase IX-mediated extracellular acidosis. 3rd International Conference on Tumor Microenvironment and Cellular Stress: Signaling, Metabolism, Imaging and Therapeutic Targets, 21-25 September, 2014, Mykonos,

Greece.

Simko V, Labudova M, Csaderova L, Zatovicova M, Iuliano F, Ditte Z, Ditte P, Pastorek J. New aspects of the regulation of function of tumor-associated carbonic anhydrase IX. 1st ISCAM/ 5th ISPDC Meeting, 8-11 October, 2014, Bratislava, Slovakia.

28.) Vývoj inovatívnych postupov na charakterizáciu a kontrolu hospodársky dôležitých a novo sa objavujúcich vírusových patogénov červených kôstkovín na Slovensku

Development of innovative approaches to characterise and control the economically important and emerging virus pathogens of cherry crops in Slovakia

Zodpovedný riešiteľ:	Miroslav Glasa
Trvanie projektu:	1.10.2013 / 30.9.2017
Evidenčné číslo projektu:	APVV-0174-12
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	APVV: 29.977 €

Dosiahnuté výsledky:

Na viacerých lokalitách Slovenska sme pomocou RT-PCR sledovali výskyt vírusov na čerešniach v rôznych agroekologických kontextoch so zameraním na novo sa objavujúce, tzv. emerging patogény. Po prvýkrát na Slovensku sme detekovali prítomnosť vírusu maloplodosti čerešne (LChV-1). Pre účinnú RT-PCR detekciu sme dizajnovali nové primery zacielené na gén kapsidového proteínu. Parciálnou sekvenáciou sme charakterizovali 9 izolátov, pričom sme zistili vysokú vzájomnú homológiu slovenských izolátov LChV-1 (98.2-100%), zároveň však ich značnú molekulárnu odlišnosť (15-20%) od doteraz charakterizovaných izolátov z Nemecka a Talianska. Fylogenetická analýza potvrdila, že slovenské izoláty tvorili samostatný kluster. Žiadny typický symptóm nebol asociovaný s LChV-1 infekciou čerešní, pričom väčšina infikovaných stromov vykazovala bezpríznakovú infekciu. Vysokú molekulárnu variabilitu, komplikujúcu účinnú a efektívnu diagnostiku, sme zistili aj v prípade vírusu zakrpatenosti slivky (PDV). Medzi ďalšie zachytené vírusy patrili vírus čerešne A (CVA) a vírus nekrotickej krúžkovitosti slivky (PNRSV). Analyzovali sme dva potenciálne nebezpečné kmene vírusu šarky slivky (PPV) prirodzene infikujúci čerešne, PPV-C a PPV-CR v infikovanom materiáli získanom z Ruska. Určili sme kompletnú sekvenciu genómu PPV-C. Optimalizovali sme metódu in vitro mikroštepovania čerešní na modeli čerešňa/čerešňa a čerešňa/slivka, využiteľnú pre rýchly skrining rezistencie rastlín voči vírusovej infekcii.

Vedecké výstupy:

Glasi M, Shneyder Y, Predajňa L, Zhivaeva T, Prikhodko Y (2014): Characterization of Russian Plum pox virus isolates provides further evidence of a low molecular heterogeneity within the PPV-C strain. Journal of Plant Pathology 96: 597-601

García JA, Glasi M, Cambra M, Candresse T (2014): Plum pox virus and Sharka: a model potyvirus and a major disease. Molecular Plant Pathology, 15: 226-241

Rozák J, Predajňa L, Gálová Z, Glasi M (2014): Detection and characterisation of Plum pox virus

(PPV) isolates from eastern Slovakia revealed the presence of three main viral strains.

Potravinárstvo 8: 1-7

29.) Výskum adaptácie rastlín v rádioaktívnej Černobyľskej oblasti a ich možné využitie

Understanding of plant adaptation in the radioactive Chernobyl area

Zodpovedný riešiteľ:	Martin Hajduch
Zodpovedný riešiteľ v organizácii SAV:	Ľudovít Škultéty
Trvanie projektu:	1.7.2012 / 31.12.2015
Evidenčné číslo projektu:	APVV-0740-11
Organizácia je koordinátorom projektu:	nie
Koordinátor:	ÚGBR SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	APVV: 8.240,- €

Dosiahnuté výsledky:

Porovnávacou kvantitatívnou proteomickou analýzou embryogenneho a neembryogenneho kalusu kukurice sme zistili, že oxylipíny majú významnú úlohu v totipotencii rastliny.

Vytvorili sme aj proteómovú mapu Ginko biloba a odhalili proteíny, ktoré môžu mať medicínsky význam.

Vedecké výstupy:

OVEČKA, O. - TAKÁČ, T. - KOMIS, G. - VADOVIČ, Pavol - BEKEŠOVÁ, Slávka - DOSKOČILOVÁ, A. - SMÉKALOVÁ, V. - LUPTOVČIAK, I. - SAMAJOVÁ, O. - SCHWEIGHOFER, A. - MESKIENE, I. - JONAK, C. - KŘENEK, P. - LICHTSCHEIDL, L. - ŠKULTÉTY, Ľudovít - HIRT, H. - SAMAJ, J. Salt-induced subcellular kinase relocation and seedling susceptibility caused by overexpression of Medicago SIMKK in Arabidopsis. In Journal of experimental botany, 2014, vol. 65, no. 9, p. 2335 - 2350. (5.794 - IF2013). (2014 - Current Contents). ISSN 0022-0957. Typ: ADCA

UVÁČKOVÁ, Ľubica - ONDRUŠKOVÁ, Emília - DANCHENKO, Maksym - ŠKULTÉTY, Ľudovít - MIERNYK, J.A. - HRUBÍK, Pavel - HAJDUCH, Martin. Establishing a Leaf Proteome Reference Map for Ginkgo biloba Provides Insight into Potential Ethnobotanical Uses. In Journal of agricultural and food chemistry, 2014, vol. 62, no. 47, p. 11547 - 11556. (3.107 - IF2013). (2014 - Current Contents). ISSN 0021-8561. Typ: ADCA

VARHANÍKOVÁ, M. - UVÁČKOVÁ, Ľubica - ŠKULTÉTY, Ľudovít - PREŤOVÁ, Anna - OBERT, Bohuš - HAJDUCH, Martin. Comparative quantitative proteomic analysis of embryogenic and non-embryogenic calli in maize suggests the role of oxylipins in plant totipotency. In Journal of Proteomics, 2014, vol. 104, p. 57-65. (3.929 - IF2013). (2014 - Current Contents). ISSN 1874-3919. Typ: ADCA

30.) Identifikácia molekulových dráh riadených prostredníctvom hypoxia-indukovanej anhydrázy IX kyseliny uhličitej v nádorových bunkách

Identification of the molecular pathways driven by hypoxia-induced carbonic anhydrase IX in tumor cells

Zodpovedný riešiteľ:	Juraj Kopáček
Trvanie projektu:	1.5.2011 / 31.10.2014
Evidenčné číslo projektu:	APVV-0108-10
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	APVV: 53.067 €

Dosiahnuté výsledky:

Pripravili sme ďalšie bunkové modely s trvale aj dočasne potlačenou expresiou CA IX. Tieto bunky sme vystavili extracelulárnej acidóze a analyzovali sme ich jednak pomocou RNA microarray a tiež pomocou proteomického profilovania zameraného na aktivity proteín kináz. Zistili sme, že CA IX ovplyvňuje fosforyláciu substrátov viacerých kináz, čím môže zasahovať do molekulárnych dráh riadiacich vlastnosti nádorových buniek, najmä ich schopnosť odpovedať na stresy v nádorovom mikroprostredí.

Vedecké výstupy:

Kéry M., Ondrisková E., Takáčová M., Švastová E., Pastoreková S., Kopáček J. Signálne dráhy ovplyvnené prítomnosťou karbonickej anhydrázy IX. In Československá biologická spoločnosť. Sborník přednášek a posteru, program : XXI.Biologické dny. Pokroky a výzvy současné nádorové biologie. - Brno : Venice s.r.o., 2014, p. 91. ISBN 978-80-260-6793-1.

Kéry M, Ondrisková E, Radvák P, Takáčová M, Švastová E, Pastoreková S, Kopáček J. Involvement of carbonic anhydrase IX in intracellular signaling pathways. 1st ISCAM Meeting – 5th ISPDC Meeting: Cancer metabolism: mechanisms, consequences, and therapeutic opportunities, October 8-11, 2014, Smolenice, Slovakia.

Kéry M, Ondrisková E, Takáčová M, Švastová E, Pastoreková S, Kopáček J. Signaling pathways affected by the presence of carbonic anhydrase IX. In Slovenská spoločnosť pre biochémiu a molekulárnu biológiu a Česká společnost pro biochemii a molekulární biologii. Zborník prednášok a posterov, program: XXIV. Biochemický zjazd SSBMB a ČSBMB. Bratislava, p.162 ISBN 978-80-970164-6-3, 18.-21. september 2014

Radvák P, Švastová E, Csáderová L, Takáčová M, Pastoreková S, Kopáček J. Depletion of carbonic anhydrase IX leads to the decrease of migration and invasion ability of tumor cells. In Nadácia výskum rakoviny. Súťaž mladých onkológov 2014 : Zborník prednášok. - Bratislava : Nadácia Výskum rakoviny a Ústav experimentálnej onkológie SAV, 2014, s. 56 - 60. ISSN 978-80971621-0-8.

31.) Myší herpetický vírus, producent látok s imunomodulačnými a antiproliferatívnymi vlastnosťami

Murine gammaherpesvirus a producent of substances exhibiting immunomodulatory and antiproliferative properties

Zodpovedný riešiteľ:	Marcela Kúdelová
Trvanie projektu:	1.10.2013 / 30.9.2017

Evidenčné číslo projektu:	APVV-0621-12
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	1 - Slovensko: 1
Čerpané financie:	APVV: 26.011 €

Dosiahnuté výsledky:

Derivovali sme dve stabilné bunkové línie (ľudských a myšacích fibroblastov), ktoré po infekcii s UV ožiareným Myším herpetickým vírusom vykazovali fenotyp transformácie. V oboch sme pomocou PCR a v imunofluorescenčnom teste dokázali prítomnosť DNA MHV-68 a vírusového antigénu ako aj vymiznutie aktínových štruktúr, čo indikuje, že by línie mohli byť onkogénne. Zaviedli sme efektívny expresný systém na produkciu rekombinantných biologicky aktívnych proteínov M3 MHV-68 s alebo bez signálnej sekvencie v oboch kmeňoch buniek *E. coli*, BL21 (DE3) and Rosetta-gami 2 (DE3). Zistili sme, že signálna sekvencia a poloha His-Tag kotvy v proteíne sú kritické pre väzbovú aktivitu proteínu voči chemokínom CCL3 a CCL5. Skrátene M3 proteínu v signálnej sekvencii zvyšuje aktivitu voči CCL5 a, v prípade exprese v bunkách Rosetta-gami 2 (DE3), tiež podporuje väzbu CCL3.

Vedecké výstupy:

ADCA01 Mrázová V, Betáková T, Kúdelová M, Šupolíková M, Lachová V, Lapuníková B, Golais G. Murine gammaherpesvirus (MHV-68) transforms cultured cells in vitro. INTERVIROLOGY, prijaté do tlače 2015, DOI: 10.1159/000370071

AED01 Mrázová V, Šupolíková M, Veronika Lachová V, Betáková T, Lapuníková B, Kúdelová M, Golais F (2014). Myšací herpetický vírus transformuje bunky in vitro. ŠVK PriF UK 2014, Bratislava, 9. apríl 2014, Bratislava. Zborník recenzovaných príspevkov, ISBN 978-80-223-3592-8, pp515-520

AED02 Mrázová V, Šupolíková M, Lachová V, Betáková T, Lapuníková B, Kúdelová M, Golais F: Myší herpetický vírus (MHV-68, MuHV-4) transformuje bunky in vitro. Čo nového v mikrobiológii: Štrbské Pleso 13.-16. 3. 2014, Zborník recenzovaných článkov konferencie mladých mikrobiológov [Bratislava-Praha ČSSM, 2014. CD-ROM, ISBN 978-80-971422-2-3 pp132-138.

AED03 Matúšková R., Pančík P., Kúdelová M. (2014). Optimalizácia podmienok izolácie rekombinantného proteínu M3 Myšieho herpetického vírusu bez signálnej sekvencie exprimovaného v *E. coli*. ŠVK PriF UK 2014, Bratislava, 9. apríl 2014, Bratislava. Zborník recenzovaných príspevkov, ISBN 978-80-223-3592-8, pp448-452

AED04 Matúšková R., Pančík P., Kúdelová M. (2014). Optimalizácia podmienok exprese a izolácie rekombinantného proteínu M3. Čo nového v mikrobiológii, Konferencia mladých mikrobiológov, Štrbské Pleso 13.-16. 3. 2014, Zborník recenzovaných článkov konferencie mladých mikrobiológov [Bratislava-Praha ČSSM, 2014. CD-ROM, ISBN 978-80-971422-2-3, pp246-250

AFG01 Kúdelová M, Pančík P, Matúšková R, Belvončíková P, Rajčáni J (2014) Expression and characterization of M3 protein of Murine gammaherpesvirus 68 prepared in *E. coli*. 4th World Congress on Virology, October 06-08, 2014, San Antonio, USA, Certificate OMICS Publishing Group and the Editors of Journal of Antivirals and Antiretrovirals and Journal of Virology and Mycology, V-023

AFG02 Matúšková R, Pančík P, Kúdelová M (2014). Isolation of recombinant immunomodulatory protein M3 of Murine herpesvirus 68 without signal sequence expressed in E. coli by affinity chromatography. XXIII. Tomasek days, 5.-6. 6. 2014, Brno, Czech Republic, ISBN 978-80-210-6805-6, p72

AFG03 Matúšková R, Pančík P, Belvončíková P, Vrbová M, Kúdelová M (2014) Recombinant M3 protein of Murine herpesvirus produced in E. coli displays selective binding activity against human chemokines. XVI. Setkání biochemiků a molekulárních biologů – 11.-12. listopad, 2014 Brno, Czech Republic, ISBN 978-80-210-7340-1, p75

32.) Karbonická anhydráza IX ako funkčný komponent nádorovej progresie: úloha v epitelovo-mezenchýmovej tranzícii a v prenose medzibunkových signálov

Carbonic anhydrase IX as a functional component of cancer progression: the role in epithelial-mesenchymal transition and intercellular signaling

Zodpovedný riešiteľ:	Silvia Pastoreková
Trvanie projektu:	1.7.2012 / 31.12.2015
Evidenčné číslo projektu:	APVV-0658-11
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	1 - Slovensko: 1
Čerpané financie:	APVV: 35.569 €

Dosiahnuté výsledky:

V tomto roku sme sa zamerali na štúdium úlohy CA IX v metabolizme nádorových buniek. Pomocou proteomickej analýzy sme zistili, že supresia CA IX vedie k zníženej expresii glykolytických enzýmov a k redukcii glykolýzy v podmienkach hypoxie a acidózy. Tieto výsledky naznačujú, že CA IX pomáha nádorovým bunkám prispôbiť svoj metabolizmus nepriaznivým podmienkam v nádorovom mikroprostredí a že jej potlačenie alebo inaktivácia môže predstavovať vhodný prístup k protinádorovej terapii.

Vedecké výstupy:

Sedlakova O, Svastova E, Takacova M, Kopacek J, Pastorek J, Pastorekova S. Carbonic anhydrase IX, a hypoxia-induced catalytic component of the pH regulating machinery in tumors. Front Physiol. 2014 Jan 8;4:400. doi: 10.3389/fphys.2013.00400.

Pastorek J, Pastorekova S. Hypoxia-induced carbonic anhydrase IX as a target for cancer therapy: From biology to clinical use. Semin Cancer Biol. 2014 Aug 10. pii: S1044-579X(14)00099-6. doi: 10.1016/j.semcancer.2014.08.002.

Benej M, Pastorekova S, Pastorek J. Carbonic anhydrase IX: regulation and role in cancer. Subcell Biochem. 2014;75:199-219. doi: 10.1007/978-94-007-7359-2_11.

Benej M, Švastová E, Repič M, Vulič R, Vitale M, Zambrano N, Scaloni A, Kopáček J, Pastoreková S. Lactate dehydrogenase and carbonic anhydrase IX: a sweet and sour relationship revealed by proteomic profiling. 1st ISCAM Meeting – 5th ISPDC Meeting in Smolenice, Slovakia, October 8-11, 2014, pp. 76-77.

Takacova M., Hlouskova G., Zatovicova M., Sedlakova O., Kopacek J., Pastorek J., Pastorekova S. Lacik I. Microencapsulation of anti-carbonic anhydrase IX antibody for tumor targeting. In Československá biologická společnost. Sborník přednášek a posteru, program : XXI.Biologické dny. Pokroky a výzvy současné nádorové biologie. - Brno : Venice s.r.o., 2014, p. 91. ISBN 978-80-260-6793-1.

33.) Identifikácia biomarkerov na diagnostiku rickettsií, coxiella burnetii a im príbuzných organizmov imunoproteomickými a molekulárne biologickými metódami

Research of biomarkers for diagnosis of rickettsiae, coxiella burnetii and related organisms by state-of-art immunoproteomic and molecular biologic methods

Zodpovedný riešiteľ:	Zuzana Sekeyová
Trvanie projektu:	1.10.2013 / 30.9.2017
Evidenčné číslo projektu:	APVV-0280-12
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	APVV: 58.074 €

Dosiahnuté výsledky:

Riešitelia tohto projektu sa podieľali aj na identifikácii proteínov *Coxiella burnetii*. Zamerali sa najmä na povrchovo uložené proteíny, ktoré sú situované v membráne *C. burnetii*. Na získanie výsledkov pri tejto téme úspešne využili tri rôzne metódy purifikácie proteínov. Porovnali klasickú metódu izolácie proteínov využívajúcu Triton X-114 s dvomi modernejšími postupmi vhodnými na izoláciu alkalických proteínov: a/ pomocou "liquid-phase IEF", a b/ "enzymatickým holením" povrchových buniek pomocou biologicky funkčných magnetických guľičiek. Následne odhalili a bližšie analyzovali 2026 proteínových sekvencií pomocou siedmich bioinformatických algoritmov, čím úspešne stanovili nie len ich predpokladanú lokalizáciu (OMP, alebo LP) ale aj ich afiliáciu k jednotlivých funkciám prebiehajúcim v rámci biorytmu *C. burnetii*.

Ďalšie témy, ktoré boli aj publikačne spracovaná bolo potvrdenie rickettsií a rôznych ďalších baktérií v kliešťoch (najmä *Ixodes ricinus*) a rozšírenie sledovaných baktérií u lovných zvierat a v prímestských oblastiach na Slovensku.

Vedecké výstupy:

Flores-Ramirez G, Jankovicova B, Bilkova Z, Miernyk JA, Skultety L.: Identification of Coxiella burnetii surface-exposed and cell envelope associated proteins using a combined bioinformatics plus proteomics strategy. Proteomics. 2014 Aug;14(16):1868-81. doi: 10.1002/pmic.201300338. Epub 2014 Jul 15.

Plicová L. Danchenko M. Flores-Ramirez G. Ondrejková I. Škultety L.: Immunoreactive proteins of Coxiella burnetii recognized by immobilized polyclonal antibodies isolate from human sera, ŠVK Prif UK 2014, ISBN 978-80-223-3592-8. On line publikacion: http://2014.svkprifuk.info/SVK_2014_Zbornik.pdf, pp. 594-599.

Rickettsial infection in Ixodes ricinus ticks in urban and natural habitats of Slovakia.

Špitalská E, Boldiš V, Derdáková M, Selyemová D, Rusňáková Tarageľová V. Ticks Tick Borne Dis. 2014 Mar;5(2):161-5.

Plicová L. Danchenko M. Flores-Ramirez G. Ondrejková I. Škultéty L.: Immunoreactive proteins of Coxiella burnetii recognized by immobilized polyclonal antibodies isolate from human sera, ŠVK Prif UK 09. 04. 2014, Bratislava, Slovenská republika.

Bohácsová M., Opatková A., Sekeyová Z., Filipčík P., Valáriková J., Quevedo-Diaz M., Novák M.: Propagation of Rickettsiae in corticohippocampal neuronal cells. XXIII. Conference mladých mikrobiológů, Tomáškovy dny 2014, Masarykova univerzita, Brno 2014.

Kocianová E., Audičová M., Sekeyová Z.: NRC pre rickettsiázy, plány a ciele. XI. Vedecko-odborná konferencia Národných referenčných centier (NRC) pre surveillance infekčných chorôb v SR, Bratislava 18.03.2014.

Kocianová E. Špitalská E. Berthová L. Svitáľková Z. Mydlová L. Kazimírová M.: Game as hosts of Ixodid ticks and tick-borne agents in Malé Karpaty MTS. South-Western Slovakia). V 4 Parasitological Meeting, Parasites in the Heart of Europe. May 25-30. 2014.

34.) Štruktúra ohnisk a vynárajúce sa choroby s dôrazom na úlohu drobných cicavcov v prírodných ohniskách urbánneho typu krajiny

Structure of foci and emerging diseases with emphasis on role of rodents in urban type of natural foci of diseases

Zodpovedný riešiteľ:	Michal Stanko
Zodpovedný riešiteľ v organizácii SAV:	Boris Klempa
Trvanie projektu:	1.5.2011 / 31.10.2014
Evidenčné číslo projektu:	APVV-0267-10
Organizácia je koordinátorom projektu:	nie
Koordinátor:	PÚ SAV
Počet spoluriešiteľských inštitúcií:	4 - Slovensko: 4
Čerpané financie:	APVV: 6.900 €

Dosiahnuté výsledky:

V poslednom, neúplnom roku projektu sme dokončili testovanie všetkých poskytnutých vzoriek hlodavcov z územia Slovenska. Celkove sme okrem očakávaného druhu Dobrava-Belgrade získali vôbec prvé poznatky o výskyte piskormi-prenášaných hantavírusov na Slovensku. Navyše, vzorky hlodavcov Apodemus získané v rámci projektu boli využité pre vývin nových bunkových línií pre výskum hantavírusov v bunkách ich prirodzených hostiteľov. Získané poznatky a skúsenosti boli tiež využité pri písaní globálne zameraného súhrnného článku o hantavíruchoch.

Vedecké výstupy:

KRUGER, D.H. - FIGUEIREDO, L.T.M. - SONG, Jin-Won - KLEMPA, Boris. Hantaviruses-Globally emerging pathogens. In Journal of Clinical Virology, 2014, vol. 14, no., p. Epub. (3.466 - IF2013). ISSN 1386-6532. Epub ahead

ECKERLE, I. – ULRICH, R. – RANG, A. – KLEMPA, Boris – RADOSA, L. – MULLER, M.A. – DROSTEN, C. Epithelial cell lines from bats, rodents and insectivores – a novel tool for in vitro investigation of pathogen-host interaction. In Joint Conference: German Symposium on Zoonoses Research 2014 and 7th International Conference on Emerging Zoonoses. – Berlin, 2014, p. 72

35.) Biologický význam a farmakologické vlastnosti bioaktívnych proteínov v slinách kliešťov

Biological significance and pharmacological features of bioactive proteins in tick saliva

Zodpovedný riešiteľ:	Iveta Štibrániová
Trvanie projektu:	1.10.2013 / 30.9.2017
Evidenčné číslo projektu:	APVV-0737-12
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	APVV: 39.803,50 €

Dosiahnuté výsledky:

Testovali sme nami pripravené extrakty slinných žliaz(SGE) rôznych druhov kliešťov, schopných viazať rastové faktory v biologických testoch, zameraných na sledovanie vplyvu látok z SGE na vnútrobunkový signaling kontrolovaný TGFb1 a na motilitu buniek regulovanú TGFb1. Testujeme tiež vplyv látok z SGE na expresiu génov zapojených v hojení rán, v angiogenéze a pod. Experimenty stále pokračujú.

Vedecké výstupy:

M. SLOVÁK,I. ŠTIBRÁNIOVÁ,V. HAJNICKÁ & P. A. NUTTALL: "Antiplatelet-derived growth factor (PDGF) activity in the saliva of ixodid ticks is linked with their long mouthparts", Parasite Immunology, 2014, 36, 32–42.

8th International TTP & 12th Biennial STVM Conference 2014, 24-29 August 2014, Cape Town, South Africa

* Stibraniova I, Bartikova P, Slovak M, Holikova V, Kazimirova M, Hajnicka V.: "Long mouthparts ticks versus short mouthparts ticks in anti-growth factors activities", Joint 8th International Ticks and Tick-borne Pathogens (TTP-8) and 12th Biennial Society for Tropical Veterinary Medicine (STVM) Conference, 24-29 August 2014, Cape Town, South Africa, abstract book p.82(poster)

Bartikova P, Stibraniova I, Holikova V, Slovak M, Kazimirova M: "Ticks with long hypostome induce morphological changes in different cell lines", Joint 8th International Ticks and Tick-borne Pathogens (TTP-8) and 12th Biennial Society for Tropical Veterinary Medicine (STVM) Conference, 24-29 August 2014, Cape Town, South Africa, abstract book, p-81(poster)

Ticks and Tick-borne diseases,September 30th-october 2nd, 2014, Berlin, Bartiková p., Štibrániová I., Slovák M., Holíková V., Hajnická V.: A manipulation of wound healing process by tick saliva (prednáška), Workshop on Ticks and Tick-borne diseases, Berlin, September 30th-october 2nd, 2014, p. 50, oral presentation

36.) Výskum faktorov hostiteľskej preferencie vírusu šarky slivky vzhľadom na reálnu variabilitu jeho populácie na území Slovenskej republiky

Investigation on the Plum pox virus host preference factors in regard to the natural variability of its population on the territory of Slovak republic

Zodpovedný riešiteľ:	Zdeno Šubr
Trvanie projektu:	1.5.2011 / 31.7.2014
Evidenčné číslo projektu:	APVV-0042-10
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	0,-

Dosiahnuté výsledky:

V roku 2014 boli práce dokončené podľa plánovaného harmonogramu. Doplnili sme mapu výskytu vírusu šarky slivky (PPV) na Slovensku analýzou niekoľkých archívnych a novo získaných vzoriek, dorobili sme recipročný experiment subtrakčnej hybridizácie, ktorého výsledok indikoval rastlinné gény indukované infekciou PPV, sekvenčne sme hĺbkovo analyzovali niekoľko stromov sliviek s kmeňovo zmiešanou infekciou PPV a pokračovali sme v optimalizácii produkcie a purifikácie vírusového proteínu P1 (nad rámec pôvodne plánovaných cieľov).

Vedecké výstupy:

Z. Šubr, M. Kamencayová, M. Glasa (2014): Experimental mixed infection by Plum pox virus strains confirms their natural host preference. *Acta Horticulturae*, akceptované pre publikovanie

Z. Vozárová, Z. Šubr (2014): Šarka sliviek – štúdium proteínových interakcií vírus-hostiteľ. Čo nového v mikrobiológii – Zborník krátkych článkov (ISBN 978-80-971422-2-3)

37.) Nové liečivá cielené voči polymeráze vírusu chrípky

New drugs targeting influenza virus polymerase

Zodpovedný riešiteľ:	Eva Varečková
Trvanie projektu:	1.11.2010 / 30.4.2015
Evidenčné číslo projektu:	DO7RP-0025-10
Organizácia je koordinátorom projektu:	nie
Koordinátor:	European Molecular Biology Laboratory, Grenoble/Heidelberg, France/Germany
Počet spoluriešiteľských inštitúcií:	16 - Rakúsko: 3, Belgicko: 2, Nemecko: 4, Španielsko: 1, Francúzsko: 4, Slovensko: 1, USA: 1
Čerpané financie:	APVV : 6.375 €

Dosiahnuté výsledky:

Zhodné s výstupmi pre Medzinárodný 7RP projekt FLUPHARM.

Pripravili sme dva varianty pandemického vírusu A/Perth (H1N1) z roku 2009, ako nového

modelového vírusu chrípky adaptovaného na myši, u ktorých sme sekvenčnou analýzou genómu potvrdili mutácie v neuraminidase. U týchto variantov sme potvrdili in vitro aj in vivo senzitivitu, resp. rezistenciu na Tamiflu, doteraz používané liečivo proti chrípke, v korelácii s mutáciami. Pripravené vírusy sa budú používať vo finálnej časti riešenia projektu na preverenie novej účinnej látky syntetizovanej v rámci projektu FLUPHARM. Zároveň sme otestovali in vitro a in vivo tri ďalšie látky na antivírusový účinok, testované látky sú targetované na RNA-polymerázu vírusu chrípky. Jedna z nich chránila myši pred letálnou chrípkovou infekciou v dvoch použitých koncentráciách s indexom protektivity 1. Táto látka bude ďalej preverovaná v ďalších predklinických a klinických testoch. Získané výsledky nie sú publikované, pretože budú predmetom patentovania.

38.) Predikcia epidémie/pandémie chrípky typu A na základe identifikácie dominantných markerov patogenity a prenosnosti vírusu

Prediction of influenza A virus epidemic/pandemic outcome by identifying dominant markers of viral pathogenesis and transmissibility

Zodpovedný riešiteľ:	Eva Varečková
Trvanie projektu:	1.5.2011 / 31.10.2014
Evidenčné číslo projektu:	APVV-0250-10
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	44.397,- €

Dosiahnuté výsledky:

Zavedením cielených mutácií do PB1-F2 proteínu, ktoré viedli k zmene jeho postranlačnej modifikácie, strate ubikvitinácie, zvýšenej stability, a následne zmene jeho funkcie, sme ukázali, že PB1-F2 proteín je jedným z faktorov ovplyvňujúcich virulenciu a patogenitu vírusu chrípky. Pomocou mutantov pripravených metódou reverznej genetiky sme ukázali, že aminokyselinové výmeny HA2 gp v oblasti jeho interakcie s HA1 gp a ďalšími subjednotkami v HA triméri vedú k zmene fuzogénnej aktivity vírusu chrípky, ktorá má za následok zmenu patogenity vírusu. Takto definované aa môžu byť považované za markery virulencie a patogenity nového chrípkového vírusu. Proces adaptácie vírusu chrípky z pôvodného vtáčieho hostiteľa na nového cicavčieho hostiteľa je evolučný proces, ktorý vyžaduje mnohé adaptačné zmeny vo vírusových proteínoch. Okrem zmeny v receptorovej špecifite sú to aj zmeny súvisiace s vlastnosťami vírusovej RNA-polymerázy. Do tohto adaptačného procesu zasahuje aj interakcia vírusu s imunitným systémom hostiteľa. Naše experimentálne výsledky ukázali, že niektoré vtáčie vírusy, i keď nie sú schopné sa plnohodnotne replikovať na cicavčom hostiteľovi, sú schopné vyvolať v ňom tvorbu biologicky aktívnych protilátok, ktoré sa spolupodieľajú na procese adaptácie vírusu na nového hostiteľa, alebo naopak, na jeho eliminácii. Okrem toho sme definovali tzv. včasné a neskoré dosiaľ v literatúre nepopísané hostiteľské markery charakteristické pre vírus chrípky izolovaný z konšného hostiteľa. Všetky uvedené výsledky získané počas riešenia projektu sú originálne a prioritné a priniesli nové poznatky o virulencii vírusov chrípky, posúvajú možnosti rozpoznania nebezpečenstva nového chrípkového vírusu a jeho pandemického potenciálu.

Vedecké výstupy:

Košík I., Práznovská M., Košíková M., Bobišová Z., Varečková E., Kostolanský F., Russ G. Ubiquitination of the influenza A virus PB1-F2 protein is crucial for its biological function. PLOS ONE. Submitted, September 2014, v recenznom konaní.

Janulíková J., Stropkovská A., Bobišová Z., Mucha V., Kostolanský F. and Varečková E.: Virus neutralizing antibody response to sequential infection of mice with influenza A viruses of human and avian origin. Acta virologica, accepted.

Wágnerová M., Ančicová L., Chalupková A., Hrabovská Z., Kostolanský F., Varečková E., Mistríková J: Mutually beneficial gammaherpesviral and influenza co-infection. In: Scientia iuvenis. Book of Scientific papers, Slovak Republic, Nitra, 2014. Editors: Hudec Michal and Csáky Antal, p. 63-70, Issue 1. ISBN 978-80-558-0650-1. Publisher : Prírodovedec No. 582, Category: AED- Scientific Papers in domestic peer-reviewed scientific proceedings

KOTLÁROVÁ, Lucia - HOLLÝ, Jaroslav - PRÁZNOVSKÁ, Margaréta - FODOR, Ervín - VAREČKOVÁ, Eva. Vplyv vybraných mutácií v hemagglutiníne vírusu chrípky na jeho patogenitu. In Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 367 - 370. ISBN 978-80-223-3592-8. Typ: AED

PRÁZNOVSKÁ, Margaréta - KOŠÍK, Ivan - KOTLÁROVÁ, Lucia - KOSTOLANSKÝ, František - RUSS, Gustáv. DNA vakcinácia voči vírusu chrípky typu A. In Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 619 - 623. ISBN 978-80-223-3592-8. Typ: AED

HOLLÝ, Jaroslav - KOSTOLANSKÝ, František. Príprava rekombinantných konštruktov hemagglutinín-M2e za účelom testovania ich imunogénnosti v DNA vakcinácii. In Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 233 - 238. ISBN 978-80-223-3592-8. Typ: AED

Janulíková J., Bobišová Z., Mucha V., Kostolanský F. And Varečková E: Antibody response to successive infection of mice with human and avian influenza A viruses. The Fifth ESWI Influenza Conference 2014, 14th -17th September 2014, Riga, Latvia. Typ: AFG

Kostolanský F.*1, Dugovičová V1., Janulíková J. 1, Mucha V. 1, Mistríková J. 1, Varečková E: Virus dose-dependent neutrophil and lymphocyte proportions in peripheral blood during influenza A infection of mice. The Fifth ESWI Influenza Conference 2014, 14th -17th September 2014, Riga, Latvia. Typ: AFG

Košík I., Práznovská M., Košíková M., Varečková E., Kostolanský F. Poláková K., Russ G: Ubiquitination of influenza A virus PB1-F2 protein is crucial for its biological function. The Fifth ESWI Influenza Conference 2014, 14th -17th September 2014, Riga, Latvia. Typ: AFG
KOTLÁROVÁ, Lucia - HOLLÝ, Jaroslav - PRÁZNOVSKÁ, Margaréta - FODOR, Ervín - VAREČKOVÁ, Eva. Príprava mutantných vírusov chrípky typu A metódou reverznej genetiky. In Tomáškovy dny 2014 : XXIII. konferencie mladých mikrobiológů. - Brno : Masarykova univerzita, 2014, p. 65. ISBN 978-80-210-6805-6. Typ: AFG

PRÁZNOVSKÁ, Margaréta - KOŠÍK, Ivan - KOŠÍKOVÁ, Martina - KOTLÁROVÁ, Lucia - VAREČKOVÁ, Eva - VAREČKOVÁ, Eva -RUSS, Gustáv - KOSTOLANSKÝ, František. DNA vakcína exprimujúca PB1 protein vírusu chrípky typu A chráni myši pred laterálnou infekciou. In Tomáškovy dny 2014 : XXIII. konferencie mladých mikrobiológů. - Brno : Masarykova univerzita, 2014, p. 77. ISBN 978-80-210-6805-6.Typ: AFG

KOŠÍK, Ivan - PRÁZNOVSKÁ, Margaréta - KREJNUSOVÁ, Ingrid - RUSS, Gustáv. Stability of the PB1-F2 represents central determinant of its biological behaviour. In Tomáškovy dny 2014: XXIII. konferencie mladých mikrobiológů. - Brno : Masarykova univerzita, 2014, p. 17. ISBN 978-80-210-6805-6.Typ: AFG

HOLLÝ, Jaroslav - VAREČKOVÁ, Eva - KOSTOLANSKÝ, František. Příprava fúzných konštruktov ektodomény M2 proteínu s hemagglutíninom pre DNA vakcináciu proti vírusu chrípky typu A. In Tomáškovy dny 2014 : XXIII. konferencie mladých mikrobiológů. - Brno : Masarykova univerzita, 2014, p. 62. ISBN 978-80-210-6805-6.Typ: AFG

KOTLÁROVÁ, Lucia - HOLLÝ, Jaroslav - FODOR, Ervín - VAREČKOVÁ, Eva. Reverzná genetika - nástroj na predikáciu pandemického potenciálu vírusov chrípky. In Slovenská epidemiologická a vakcinologická spoločnosť SLS. Program a Zborník Abstraktov XI.Vedecko-odbornej konferencie národných referenčných centier pre surveillance infekčných chorôb v SR. - Bratislava : Ministerstvo zdravotníctva SR, 2014, s. 30.Typ: AFHB

KOTLÁROVÁ, Lucia - HOLLÝ, Jaroslav - PRÁZNOVSKÁ, Margaréta - FODOR, Ervín - VAREČKOVÁ, Eva. Konštrukcia mutantných vírusov chrípky so zmenenou fúzovacíou aktivitou metódou reverznej genetiky. In Drobnicov memoriál : VII. ročník, 16.-18. september, 2013, Bojná. - Bratislava : Ústav fyziológie a genetiky SAV, Bratislava, 2013, s. 76-77. ISBN 978-80-970164-5-6.Typ: AFHB

Programy: Štrukturálne fondy EÚ Výskum a vývoj

39.) Centrum pre inovačný výskum protinádorových a protivírusových stratégií

Centre for Innovative Research of Antitumor and Antiviral Strategies

Zodpovedný riešiteľ:	Juraj Kopáček
Trvanie projektu:	1.5.2011 / 30.4.2015
Evidenčné číslo projektu:	ITMS 26240220062
Organizácia je koordinátorom projektu:	nie
Koordinátor:	BioScience Slovakia s.r.o.
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	202.391,94 €

Dosiahnuté výsledky:

Infraštruktúru zaobstaranú v predchádzajúcom období sme využili na štúdium viacerých proteínov regulovaných hypoxiou. Pomocou zariadenia na meranie bunkových parametrov v reálnom čase sme zistili, že mutácie hypoxiou-indukovaného proteínu CA IX v glykozylačných miestach ovplyvňujú migračné schopnosti buniek. Okrem toho sme testovali možnosť detekcie hypoxických markerov

nádorových buniek pomocou nízkokapacitného proteínového profilovania na čipe. Zistili sme, že tento prístup je sľubný, ale vyžaduje optimalizáciu, ktorú budeme realizovať v nasledujúcom období.

Vedecké výstupy:

Baratova M, Csaderova L, Pastorek J, Pastorekova S. Possible impact of glycosylation on biological functions of the tumor-related carbonic anhydrase IX. 1st ISCAM Meeting – 5th ISPDC Meeting. October 8-11, 2014 Smolenice, Slovakia. Abstract book, p. 74-75.

Benej M, Švastová E, Repič M, Vulič R, Vitale M, Zambrano N, Scaloni A, Kopáček J, Pastoreková S. Carbonic anhydrase IX and glycolysis: a potential link revealed by proteomic profiling. Súťaž mladých onkológov 2014, 6.-7.3.2014, Bratislava. ISBN 978-80-971621-0-8, pp. 66-69.

40.) Vybudovanie Kompetenčného centra pre výskum a vývoj v oblasti molekulárnej medicíny

Developing a Competency Center for Research and Development in Molecular Medicine

Zodpovedný riešiteľ:	Juraj Kopáček
Trvanie projektu:	1.10.2011 / 31.5.2015
Evidenčné číslo projektu:	ITMS 26240220071
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Univerzita Komenského v Bratislave
Počet spoluriešiteľských inštitúcií:	11 - Slovensko: 11
Čerpané financie:	347.774,77- €

Dosiahnuté výsledky:

Pripravili sa vzorky odvodené z nádorových buniek mimikujúce nádorové mikroprostredie a analyzoval sa ich fosforilačný status u vybraných proteínov. Následne sme vzorky analyzovali pomocou microarray a získané výsledky spracovali a komparovali s výsledkami získanými z predošlých analýz. Bola prevedená NGS analýza voriak šedujúcich CAIX a profilovanie porovnané s kontrolami.

Taktiež sa pokračovalo v analýze nádorových buniek s expresiou a bez exprese CAIX, pričom sme sa zamerali na bunky vystavené zníženej hladine bikarbonátu, aby sme lepšie napodobnili podmienky zmeneného nádorového mikroprostredia.

Vedecké výstupy:

Kopacek J, Radvak P, Kery M, Svastova E, Zatovicova M, Takacova M, Csaderova L, Simko V, Pastorekova S:

Regulation of pH in tumor microenvironment: key role of the hypoxia-induced carbonic anhydrase IX. EMBO/EMBL Symposium Tumour Microenvironment and Signalling, 7-10 May, 2014, Heidelberg, Germany.

Pastorekova S., Svastova E., Zatovicova M., Csaderova L., Takacova M., Kopacek J., Pastorek J. Adaptive responses of cancer cells to hypoxia and acidosis in tumor microenvironment. In Československá biologická spoločnosť. Sborník přednášek a posteru, program : XXI. Biologické dny. Pokroky a výzvy současné nádorové biologie. - Brno: Venice s.r.o., 2014, p. 23. ISBN 978-80-260-6793-1.

Pastorekova S (pozvaná prednáška). Hypoxia – významný factor progresie a terapeuticej rezistencie nádorov kolorekta. XVIII. Lekársky kongres naturálnej medicíny s interdisciplinárnou účasťou. 3.– 5. 10. 2014 Šamorín – Čilistov.

41.) Centrum výskumu a vývoja imunologicky aktívnych látok

Zodpovedný riešiteľ:	Jaromír Pastorek
Zodpovedný riešiteľ v organizácii SAV:	Juraj Kopáček
Trvanie projektu:	1.3.2014 / 30.9.2015
Evidenčné číslo projektu:	26220220188
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Slovenská akadémia vied
Počet spoluriešiteľských inštitúcií:	1
Čerpané financie:	20.926,13 €

Dosiahnuté výsledky:

Projekt je v štádiu budovania priestorov a infraštruktúry pre následné výskumné aktivity. V laboratórnych podmienkach sa začalo s prípravou produkčníc bunkových líní.

42.) Výskum programu onkogénu miR-155 pre potreby diagnózy a určenie prognózy pri onkologických ochoreniach

Research of oncogene miR-155 program for the purpose of diagnosis and prognosis in cancer diseases

Zodpovedný riešiteľ:	Adriana Gibadulinová
Trvanie projektu:	1.5.2012 / 30.06.2015
Evidenčné číslo projektu:	26240220074
Organizácia je koordinátorom projektu:	nie
Koordinátor:	KRD molecular technologies s.r.o.
Počet spoluriešiteľských inštitúcií:	1
Čerpané financie:	146 607,66 €

Dosiahnuté výsledky:

Bola stanovená MIR-155 expresie lymfocytov a plazmy z periférnej krvi. V porovnaní so zdravými kontrolami, jedinci nesúci mutácie BRCA1 bez prejavov ochorenia mali zvýšenu expresiu MIR-155 v plazme, ale nie v lymfocytoch.

Vedecké výstupy:

Jurkovičová D., Magyerková M., Kulcsar L., Krivjanská M., Krivjanský V., Gibadulinová A., Ovečková I., Chovanec M. miR-155 as a diagnostic and prognostic marker in hematological and solid malignancies. Neoplasma 2014,61(3):241-51.doi:10.4149/neo_2014_032

D. Jurkovicova¹, M. Magyerkova¹, L. Copakova², M. Krivjanska¹, V. Krivjansky¹, L. Kulcsar¹, A. Gibadulinova³, I. Oveckova³, M. Chovanec⁴; miR-155 and other miRNAs expression pattern in blood of breast cancer patients and healthy individuals carrying BRCA1 mutation. P15.08-M. European Human Genetics Conference, Milano 2014

43.) Priemyselný výskum v klinickej diagnostike infekčných patogénov

Industrial Research in Clinical Diagnostics of Infectious Pathogens

Zodpovedný riešiteľ:	Juraj Kopáček
Trvanie projektu:	1.6.2010 / 30.10.2014
Evidenčné číslo projektu:	ITMS 26240220032
Organizácia je koordinátorom projektu:	nie
Koordinátor:	BioScience Slovakia, s.r.o
Počet spoluriešiteľských inštitúcií:	1
Čerpané financie:	105.123,28 €

Dosiahnuté výsledky:

V roku 2014 sme pokračovali vo výskume vybraných patogénov a ich možný vzťah k transplantácii orgánov z pohľadu ich novej reaktívácie. Optimalizovali sme RT PCR metódu na detekciu vírusových patogénov spôsobujúcich problémy pri transplantáciách. Vyvinuli sme test na detekciu nukleoproteínu LCMV v biologických vzorkách.

Vedecké výstupy:

Vírus lymfocytárnej choriomeningitídy- podceňovaný ľudský patogén; J. Tomášková, Transplantácie orgánov a vírusové infekcie, 29.04.2014, Bratislava

Interakcia vírusu lymfocytárnej choriomeningitídy s bunkou a jej dôsledky; M. Labudová, Transplantácie orgánov a vírusové infekcie, 29.04.2014, Bratislava

Vplyv LCMV infekcie na expresiu unikátnej podjednotky receptory pre IFN-LAMBDA; L. Lukáčiková, T. Betáková, K. Lapošová, K. Polčicová, S. Pastoreková, J. Pastorek, J. Tomášková, Biochemický zjazd SSBMB a ČSBMB, 18.-21.09.2014, Bratislava

Lymphocytic choriomeningitis virus infection affects the carbonic anhydrase 9 expression through the HIF-1-ALPHA signalisation pathway in renal carcinoma cell line; A. Ševčíková, V. Šimko, S. Pastoreková, J. Pastorek, M. Labudová; Biochemický zjazd SSBMB a ČSBMB, 18.-21.09.2014, Bratislava

44.) Univerzitný vedecký park pre biomedicínu Bratislava

University Research Park for Biomedicine Bratislava

Zodpovedný riešiteľ:	Juraj Kopáček
Trvanie projektu:	09.2013 /31.07.2015
Evidenčné číslo projektu:	ITMS 26240220087
Organizácia je koordinátorom projektu:	nie

Koordinátor:	Slovenská akadémia vied
Počet spoluriešiteľských inštitúcií:	9
Čerpané financie:	4.210,74 - €

Dosiahnuté výsledky:

Riešenie projektu pokračovalo podľa plánovaného harmonogramu jednak v rovine budovania nových priestorov centra a taktiež aktivitami v oblasti výskumu infekčných a nádorových chorôb, tak ako boli plánované v harmonograme riešenia.

Programy: Centrá excelentnosti SAV

45.) Centrum excelentnosti na štúdium metabolických aspektov vývoja, diagnostiky a liečby nádorových ochorení

Center of excellence for the study of metabolic aspects of development, diagnostics and treatment of cancer diseases

Zodpovedný riešiteľ:	Oľga Križanová
Zodpovedný riešiteľ v organizácii SAV:	Silvia Pastoreková
Trvanie projektu:	1.7.2011 / 31.12.2014
Evidenčné číslo projektu:	20008
Organizácia je koordinátorom projektu:	nie
Koordinátor:	ÚMFG SAV
Počet spoluriešiteľských inštitúcií:	6 - Slovensko: 6
Čerpané financie:	SAV: 5.000 €

Dosiahnuté výsledky:

V spolupráci s partnerom z UMFG sme študovali génový profil nádorov obličiek, najmä v súvislosti s expresiou CA IX v jasnobunkových obličkových karcinómoch. Posielali sme sa na analýze dráh spojených s metabolizmom a iónovým transportom a na imunohistochemickom farbení vybraných metabolických markerov. Ukázali sme, že jasnobunkové nádory obličiek sa vyznačujú viacerými charakteristickými znakmi vrátane glykolytického metabolizmu a acidózy, ktorej typickým prejavom je nadexpresia niektorých typov bikarbonátových transportérov. Výsledky štúdie boli spracované v publikácii, ktorá bola odoslaná do redakcie a je v štádiu posudzovania.

Vedecké výstupy:

Soltysova A, Breza J, Takacsova M, Feruszova J, Hudecova S, Novotna B, Rozborilova E, Pastorekova S, Kadasi L, Krizanova O. Deregulation of energetic metabolism in the clear cell renal cell carcinoma: a multiple pathway analysis based on the microarray profiling (submitted).

Sedlakova O, Svastova E, Takacova M, Kopacek J, Pastorek J, Pastorekova S. Carbonic anhydrase IX, a hypoxia-induced catalytic component of the pH regulating machinery in tumors. Front Physiol. 2014 Jan 8;4:400. doi: 10.3389/fphys.2013.00400.

Programy: Iné projekty

46.) Podpora MVTs - Nové liečivá cielené voči polymeráze vírusu chrípky

New drugs targeting influenza virus polymerase

Zodpovedný riešiteľ:	Eva Varečková
Trvanie projektu:	1.11.2010 / 30.4.2014
Evidenčné číslo projektu:	259751
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Virologický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	4.000,- €

Dosiahnuté výsledky:

Zhodné s výstupmi pre Medzinárodný 7RP projekt FLUPHARM .

Pripravili sme dva varianty pandemického vírusu A/Perth (H1N1) z roku 2009, ako nového modelového vírusu chrípky adaptovaného na myši, u ktorých sme sekvenčnou analýzou genómu potvrdili mutácie v neuraminidase. U týchto variantov sme potvrdili in vitro aj in vivo senzitivitu, resp. rezistenciu na Tamiflu, doteraz používané liečivo proti chrípke, v korelácii s mutáciami. Pripravené vírusy sa budú používať vo finálnej časti riešenia projektu na preverenie novej účinnej látky syntetizovanej v rámci projektu FLUPHARM. Zároveň sme otestovali in vitro a in vivo tri ďalšie látky na antivírusový účinok, testované látky sú targetované na RNA-polymerázu vírusu chrípky. Jedna z nich chránila myši pred letálnou chrípkovou infekciou v dvoch použitých koncentráciách s indexom protektivity 1. Táto látka bude ďalej preverovaná v ďalších predklinických a klinických testoch. Získané výsledky nie sú publikované, pretože budú predmetom patentovania.

Zoznam publikačnej činnosti

Pracovisko: SAVVIR - Virologický ústav SAV

Roky vykazovania: 2014~2014

Zobrazovací formát: Modifikácia STN ISO 690 - všetci autori

Štatistika: Kategória publikačnej činnosti

Triedenie: kategória publikačnej činnosti, meno prvého autora, hlavný názov

Voľby: číslovanie kategórií publ.činnosti, podčiarknuť domácich autorov, nezobrazovať číslo archívnej kópie

ABC Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách

Počet záznamov: 3

ABC01 BENEJ, Martin - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír. Carbonic anhydrase IX: regulation and role in cancer. In *Carbonic Anhydrase: Mechanism, Regulation, Links to Disease, and Industrial Applications : Series: Subcellular Biochemistry Vol.75.* - Netherlands : Springer Netherlands, 2014, p. 199-219. ISBN 978-94-007-7358-5.

ABC02 KRATOŠOVÁ, G. - DĚDKOVÁ, K. - VÁVRA, Ivo - ČIAMPOR, Fedor. Investigation of nanoparticles in biological objects by electron microscopy techniques. In *Intracellular Delivery II : Fundamentals and Applications.* - Springer, 2014, p. 165-187. ISBN 978-94-017-8896-0.

ABC03 PASTOREKOVÁ, Silvia - SUPURAN, C.T. Carbonic Anhydrase IX: From Biology to Therapy. In *Hypoxia and Cancer. Biological Implications and Therapeutic Opportunities.* - New York : Humana Press, Springer, 2014, p. 121 - 156. ISBN 978-1-4614-9167-5.

ADCA Vedecké práce v zahraničných karentovaných časopisoch impaktovaných

Počet záznamov: 35

ADCA01 CAPEK, Miroslav - LITERÁK, I. - KOCIANOVÁ, Elena - SYCHRA, O. - NAJER, T. - TRNKA, Alfréd - KVEREK, P. Ticks of the *Hyalomma marginatum* complex transported by migratory birds into Central Europe. In *Ticks and Tick-Borne Diseases*, 2014, no. 5, p. 489 - 493. (2.878 - IF2013). (2014 - Current Contents). ISSN 1877-959X.

ADCA02 DERDÁKOVÁ, Markéta - VÁCLAV, Radovan - PANGRÁČOVÁ - BLANÁROVÁ, Lucia - SELYEMOVÁ, Diana - KOČI, Juraj - WALDER, G. - ŠPITÁLSKA, Eva. Candidatus *Neoehrlichia mikurensis* and its co-circulation with *Anaplasma phagocytophilum* in *Ixodes ricinus* ticks across ecologically different habitats of Central Europe. In *Parasites & Vectors*, 2014, vol. 7, p.160 doi:10.1186/1756-3305-7-160. (3.251 - IF2013). (2014 - Current Contents). ISSN 1756-3305.

ADCA03 DITTE, Zuzana - DITTE, Peter - LABUDOVOVÁ, Martina - ŠIMKO, Veronika - JULIANO, Filippo - ZAŤOVIČOVÁ, Miriam - CSÁDEROVÁ, Lucia - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír. Carnosine inhibits carbonic anhydrase IX-mediated extracellular acidosis and suppresses growth of HeLa tumor xenografts. In *BMC Cancer*, 2014, vol. 14, no. 1, p. 358-370. (3.319 - IF2013). (2014 - Current Contents). ISSN 1471-2407.

ADCA04 DRAGÚŇOVÁ, Jana - KABÁT, Peter - KOLLER, J. Skin explant cultures as a source of keratinocytes for cultivation. In *Cell and Tissue Banking*, 2013, vol. 14, p. 317 - 324.(1.171 - IF2012). (2014 - Current Contents). ISSN 1389-9333.

Nebolo vo VS 2013

- ADCA05 FERNANDEZ-GARCIA, M.D. - NEGREDO, A. - PAPA, A. - DONOSO-MANTKE, O. - NIEDRIG, M. - ZELLER, H. - TENORIO, A. - FRANCO, L. - KLEMPA, Boris. European survey on laboratory preparedness, response and diagnostic capacity for Crimean-Congo haemorrhagic fever, 2012. In *Eurosurveillance : Europe's journal on infectious disease epidemiology, prevention and control*, 2014, vol. 19, no. 26, p. 20844. (4.659 - IF2013). (2014 - Current Contents). ISSN 1560-7917.
- ADCA06 FLORES - RAMÍREZ, Gabriela - JANKOVIČOVÁ, B. - BILKOVÁ, Z. - MIERNYK, J.A. - ŠKULTÉTY, Ľudovít. Identification of Coxiella burnetii Surface-Exposed and Cell Envelope Associated Proteins Using a Combined Bioinformatics plus Proteomics Strategy. In *Proteomics*, 2014, vol. 16, p. 1868 - 1881. (3.973 - IF2013). (2014 - Current Contents). ISSN 1615-9853.
- ADCA07 FREY, S. - ESSBAUER, S. - ZLLER, G. - KLEMPA, Boris - DOBLER, G. - PFEFFER, M. Full genome sequences and preliminary molecular characterization of three tick-borne encephalitis virus strains isolated from ticks and a bank vole in Slovak Republic. In *Virus Genes*, 2014, vol. 48, no. 1, p. 184 - 188. (1.837 - IF2013). (2014 - Current Contents). ISSN 0920-8569.
- ADCA08 GARCIA, J.A. - GLASA, Miroslav - CAMBRA, M. - CANDRESSE, T. Plum Pox Virus and Sharka: A Model Potyvirus and a Major Disease. In *Molecular Plant Pathology*, 2014, vol. 3, p. 226 - 241. (4.485 - IF2013). (2014 - Current Contents). ISSN 1464-6722.
- ADCA09 GIUBELLINO, AI. - SHANKAVARAM, U. - BULLOVÁ, Petra - SCHOVANEK, J. - ZHANG, Y. M. - SHEN, M. - PATEL, N. - ELKAHLOUN, A. G. - LEE, M-H. - TREPEL, J. - FERRER, M. - PACAK, K. High-throughput screening for the identification of new therapeutic options for metastatic pheochromocytoma and paraganglioma. In *PLoS ONE*, 2014, vol. 9, no. 4, e.90458. (3.534 - IF2013). (2014 - MEDLINE). (2014 - Current Contents). ISSN 1932-6203.
- ADCA10 GLASA, Miroslav - SHNEYDER, Y. - PREDAJŇA, Lukáš - ZHIVAEVA, T. - PRIKHODKO, Y. Characterization of Russian Plum Pox Virus isolates provides further evidence of a low molecular heterogeneity within the PPV-C strain. In *Journal of Plant Pathology*, 2014, vol. 96, no. 3, p. 597 - 601. (0.768 - IF2013). (2014 - Current Contents). ISSN 1125-4653.
- ADCA11 GLASA, Miroslav - PREDAJŇA, Lukáš - KOMÍNEK, P. - NAGYOVÁ, Alžbeta - CANDRESSE, T. - OLMOS, A. Molecular characterization of divergent grapevine Pinot gris virus isolates and their detection in Slovak and Czech grapevines. In *Archives of Virology*, 2014, vol. 159, no. 8, p. 2103 - 2107. (2.282 - IF2013). (2014 - Current Contents). ISSN 0304-8608.
- ADCA12 HOFMANN, J. - MEIER, M. - ENDERS, M. - FUHRER, A. - ETTINGER, J. - KLEMPA, Boris - SCHMIDT, S. - ULRICH, R.G. - KRUGER, D.H. Hantavirus disease in Germany due to infection with Dobrava-Belgrade virus genotype Kurkino. In *Clinical Microbiology and Infection*, 2014, no. 10, p. 0648 - 0655. (5.197 - IF2013). (2014 - Current Contents). ISSN 1198-743X.
- ADCA13 LENDVAI, N. - PAWLOSKY, R. - BULLOVÁ, Petra - EISENHOFER, G. - PATOCS, A. - VEECH, R.L. - PACAK, K. Succinate-to-fumarate ratio as a new metabolic marker to detect the presence of SDHB/D-related paraganglioma: initial experimental and ex vivo findings. In *Endocrinology*, 2014, vol 155, no 1, p. 27 - 32. (4.644 - IF2013). (2014 - Current Contents). ISSN 0013-7227.
- ADCA14 MADIREDDI, S. - EUN, S.Y. - MEHTA, A. - NEMČOVIČOVÁ, Ivana - LEE, S.W. - ZAJONC, D.M. - NIKI, T. - HIRASHIMA, M. - CROFT, M. Galectin - 9 controls the therapeutic activity of 4-1BB-targeting antibodies. In *Journal of Experimental Medicine*, 2014, vol. 211, no. 7, p. 1433 - 1448. (13.912 - IF2013). (2014 - Current Contents). ISSN 0022-1007.
- ADCA15 MEIJER, T.W. - BUSSINK, J. - ZAŤOVIČOVÁ, Miriam - SPAN, P.N. - LOK, J. - SUPURAN, C.T. - KAANDERS, J.H. Tumor Microenvironmental Changes Induced by the Sulfamate Carbonic Anhydrase IX

- Inhibitor S4 in a Laryngeal Tumor Model. In *PLoS ONE*, 2014, vol. 9, no. 9, e108068. (3.534 - IF2013). (2014 - MEDLINE). (2014 - Current Contents). ISSN 1932-6203.
- ADCA16 NEMČOVIČOVÁ, Ivana - ZAJONC, D.M. The structure of cytomegalovirus immune modulator UL141 highlights structural Ig-fold versatility for receptor binding. In *Acta Crystallographica D*, 2014, vol. 70, no. 3, p. 851 - 862. (7.232 - IF2013). (2014 - Current Contents). ISSN 0907-4449.
- ADCA17 NOLTING, S. - GIUBELLINO, Ab. - TAYEM, Y. - YOUNG, K.E. - LAUSEKER, M. - BULLOVÁ, Petra - SCHOVANEK, J. - ANVER, M. - FLIEDNER, S.M. - KORBONITS, M. - GOKE, B. - VLOTIDES, G. - GROSSMAN, A. - PACAK, K. Combination of 13-Cis retinoic acid and lovastatin: marked antitumor potential in. In *Endocrinology*, 2014, vol 155, no 7, p. 2399 - 2390. (4.644 - IF2013). (2014 - Current Contents). ISSN 0013-7227.
- ADCA18 OVEČKA, O. - TAKÁČ, T. - KOMIS, G. - VADOVIČ, Pavol - BEKEŠOVÁ, Slávka - DOSKOČILOVÁ, A. - SMÉKALOVÁ, V. - LUPTOVČIAK, I. - SAMAJOVÁ, O. - SCHWEIGHOFER, A. - MESKIENE, I. - JONAK, C. - KŘENEK, P. - LICHTSCHEIDL, L. - ŠKULTÉTY, Ľudovít - HIRT, H. - SAMAJ, J. Salt-induced subcellular kinase relocation and seedling susceptibility caused by overexpression of Medicago SIMKK in Arabidopsis. In *Journal of experimental botany*, 2014, vol. 65, no. 9, p. 2335 - 2350. (5.794 - IF2013). (2014 - Current Contents). ISSN 0022-0957.
- ADCA19 PETTERSEN, E.O. - EBBESEN, P. - GIELING, R.G. - WILLIAMS, K.J. - DUBOIS, L. - LAMBIN, P. - LAMBIN, P. - WARD, C. - MEEHAN, J. - KUNKLER, I.H. - LANGDON, S.P. - REE, A.H. - FLATMARK, K. - LYNNG, H. - CALZADA, M.J. - PESO, del L. - LANDAZURI, M. - GORLACH, A. - FLAMM, H. - KIENINGER, J. - URBAN, G. - WELTIN, A. - SINGLETON, D.C. - HAIDER, S. - BUFFA, F.M. - HARRIS, A.L. - SCOZZAFAVA, A. - SUPURAN, C.T. - MOSER, I. - JOBST, G. - BUSK, M. - TOUSTRUP, K. - OVERGAARD, J. - ALSNER, J. - POUYSSEGUR, J. - CHICHE, J. - MAZURE, N. - MARCHEQ, I. - PARKS, S. - AHMED, A. - ASHCROFT, M. - PASTOREKOVÁ, Silvia - CAO, Y. - ROUSCHOP, K.M. - WOUTERS, B.G. - KORITZINSKY, M. - MUJIC, H. - COJOCARI, D. Targeting tumour hypoxia to prevent cancer metastasis. From biology, biosensing and technology to drug development: the METOXIA consortium. In *Journal of Enzyme Inhibition and Medicinal Chemistry*, 2014, p. 1 - 33. (2.383 - IF2013). (2014 - Current Contents). ISSN 1475-6366.
- ADCA20 RUIZ-FONS, Francisco - BALSEIRO, Ana - WILLOUGHBY, Kim - OLEAGA, Álvaro - DAGLEISH, Mark P. - PÉREZ-RAMÍREZ, Elisa - HAVLÍKOVÁ, Sabina - KLEMPA, Boris - LLORENTE, Francisco - MARTÍN-HERNANDO, MaríaPaz. Clinical infection of Cantabrian chamois (*Rupicapra pyrenaica parva*) by louping ill virus: new concern for mountain ungulate conservation? In *European Journal of Wildlife Research*, 2014, vol. 60, p. 691 - 694. (1.208 - IF2013). (2014 - Current Contents). ISSN 1612-4642.
- ADCA21 SCHMIDT, S. - ESSBAUER, S.S. - MAYER-SCHOLL, A. - POPPERT, S. - SCHMIDT-CHANASIT, J. - KLEMPA, Boris - HENNING, K. - SCHARES, G. - GROSCHUP, M.H. - SPITZENBERGER, F. - RICHTER, D. - HECKEL, G. - ULRICH, R.G. Multiple Infections of Rodents with Zoonotic Pathogens in Austria. In *Vector-Borne and Zoonotic Diseases*, 2014, vol. 14, no. 7, p. 467 - 475. (2.531 - IF2013). (2014 - Current Contents). ISSN 1530-3667.
- ADCA22 SLOVÁK, Mirko - ŠTIBRÁNIOVÁ, Iveta - HAJNICKÁ, Valéria - NUTTALL, Patricia A. Antiplatelet-derived growth factor (PDGF) activity in the saliva of ixodid ticks is linked with their long mouthparts. In *Parasite immunology*, 2014, vol. 36, p. 32–42. (1.849 - IF2013). (2014 - Current Contents). ISSN 0141-9838.
- ADCA23 SLOVÁK, Mirko - KAZIMÍROVÁ, Mária - SIEBENSTICHOVÁ, Marta - USTANÍKOVÁ, Katarína - KLEMPA, Boris - GRITSUN, T.S. - GOULD, E.A. - NUTTALL, Patricia A. Survival dynamics of tick-borne encephalitis virus in Ixodes ricinus ticks. In *Ticks and Tick-Borne Diseases*, 2014, vol. 5, no. 6, p. 962 - 969. (2.878 - IF2013). (2014 - Current Contents). ISSN 1877-959X.

- ADCA24 SPRONG, H. - TRENTLMAN, J. - SEEMANN, Ingar - GRUBHOFFER, L. - REGO, Ryan OM - HAJDUŠEK, Ondřej - KOPÁČEK, Petr - ŠÍMA, Radek - NIJHOF, Ard M. - ANGUITA, Juan - WINTER, Peter - ROTTER, Bjorn - HAVLÍKOVÁ, Sabina - KLEMPA, Boris - SCHETTERS, Theo P - HOVIUS, Joppe WR. ANTIDotE: anti-tick vaccines to prevent tick-borne. In *Parasites & vectors*, 2014, vol. 7, no. 77. (3.251 - IF2013). (2014 - Current Contents). ISSN 1756-3305. Názov z titulnej obrazovky. Požaduje sa Adobe Reader.
- ADCA25 SYRJÄNEN, Leo - LUUKKAALA, T. - LEPPILAMPI, M. - KALLIOINEN, M. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - WAHEED, A. - SLY, W. - PARKKILA, S. - KARTTUNEN, T. Expression of cancer-related carbonic anhydrases IX and XII in normal skin and skin neoplasms. In *APMIS*, 2014, vol. 22, no. 9, p. 880 - 890. (1.922 - IF2013). (2014 - Current Contents). ISSN 0903-4641.
- ADCA26 ŠPITÁLSKA, Eva - BOLDIŠ, Vojtech - DERDÁKOVÁ, Markéta - SELYEMOVÁ, Diana - RUSŇÁKOVÁ - TARAGEL'OVÁ, Veronika. Rickettsial infection in Ixodes ricinus ticks in urban and natural habitats of Slovakia. In *Ticks and Tick-Borne Diseases*, 2014, vol.5, no.2, p.161 - 165. (2.878 - IF2013). (2014 - Current Contents). ISSN 1877-959X.
- ADCA27 ŠVEHLOVÁ, A. - BERTHOVÁ, Lenka - SALLAY, Balazs - BOLDIŠ, Vojtech - SPARAGANO, O.A.E. - ŠPITÁLSKA, Eva. Sympatric occurrence of Ixodes ricinus, Dermacentor reticulatus and Haemaphysalis concinna ticks and Rickettsia and Babesia species in Slovakia. In *Ticks and Tick-Borne Diseases*, 2014, vol. 5, p. 600 - 605. (2.878 - IF2013). (2014 - Current Contents). ISSN 1877-959X.
- ADCA28 TAKÁČOVÁ, Martina - BULLOVÁ, Petra - ŠIMKO, Veronika - ŠKVARKOVÁ, Lucia - POTURNAJOVÁ, M. - FEKETOVÁ, L. - BABÁL, P. - KIVELA, A.J. - KUOPIO, T. - KOPÁČEK, Juraj - PASTOREK, Jaromír - PARKKILA, S. - PASTOREKOVÁ, Silvia. Expression pattern of carbonic anhydrase IX in Modullary thyroid carcinoma supports a role for RET-mediated activation of the HIF pathway. In *American Journal of Pathology*, 2014, vol. 184, no.4, p. 953 - 965. (4.602 - IF2013). (2014 - Current Contents). ISSN 0002-9440.
- ADCA29 UHLENBROCK, F. - HAGEMANN - JENSEN, M. - KEHLET, S. - ANDRESEN, L. - PASTOREKOVÁ, Silvia - SKOV, S. The NKG2D Ligand ULBP2 Is Specifically Regulated through an Invariant Chain-Dependent Endosomal Pathway. In *Journal of immunology*, 2014, vol. 193, no. 4, p. 1654 - 1665. (5.362 - IF2013). (2014 - Current Contents). ISSN 0022-1767.
- ADCA30 UVÁČKOVÁ, Ľubica - ONDRUŠKOVÁ, Emília - DANCHENKO, Maksym - ŠKULTÉTY, Ľudovít - MIERNYK, J.A. - HRUBÍK, Pavel - HAJDUCH, Martin. Establishing a Leaf Proteome Reference Map for Ginkgo biloba Provides Insight into Potential Ethnobotanical Uses. In *Journal of agricultural and food chemistry*, 2014, vol. 62, no. 47, p. 11547 - 11556. (3.107 - IF2013). (2014 - Current Contents). ISSN 0021-8561.
- ADCA31 VARHANÍKOVÁ, M. - UVÁČKOVÁ, Ľubica - ŠKULTÉTY, Ľudovít - PREŤOVÁ, Anna - OBERT, Bohuš - HAJDUCH, Martin. Comparative quantitative proteomic analysis of embryogenic and non-embryogenic calli in maize suggests the role of oxylipins in plant totipotency. In *Journal of Proteomics*, 2014, vol. 104, p. 57-65. (3.929 - IF2013). (2014 - Current Contents). ISSN 1874-3919.
- ADCA32 VITTEKOVÁ, M. - DRAGÚŇOVÁ, Jana - KABÁT, Peter - BOŽIKOVÁ, M. - BAKOŠ, Dušan - KOLLER, J. Cytotoxicity testing of scaffolds potentially suitable for the preparation of three-dimensional skin substitutes. In *Cell and Tissue Banking*, 2014, vol. 15, no. 3, p. 345-355. (1.026 - IF2013). (2014 - Current Contents). ISSN 1389-9333.
- ADCA33 WITKOWSKI, P.T. - KLEMPA, Boris - ITHETE, N.L. - MFUNE, J.K.E. - HOVEKA, J. - MATHEE, S. - PREISER, W. - KRUGER, D.H. Hantaviruses in Africa. In *Virus Research : An International Journal of Molecular and Cellular Virology*, 2014, vol. 187, p. 34 - 42. (2.827 - IF2013). (2014 - Current Contents). ISSN 0168-1702.
- ADCA34 ZAŤOVIČOVÁ, Miriam - JELENSKÁ, Lenka - HULÍKOVÁ, Alžbeta - DITTE, Peter - DITTE, Zuzana - CSÁDEROVÁ, Lucia - ŠVASTOVÁ, Eliška - SCHMALIX, W. - BOETTGER, V. - BEVAN, P. - PASTOREK, Jaromír - PASTOREKOVÁ, Silvia. Monoclonal antibody G250 targeting CA IX: Binding specificity , internalization and

therapeutic effects in a non-renal cancer model. In *International Journal of Oncology*, 2014, vol. 45, no. 6, p. 2455 - 2467. (2.773 - IF2013). (2014 - Current Contents). ISSN 1019-6439.

ADCA35 ZVIRBLIENE, A. - KUCINSKAITE-KODZE, I. - RAZANSKIENE, A. - PETRAITYTE-BURNEIKIENE, R. - KLEMPA, Boris - GEDVILAITE, A. The use of chimeric virus-like particles harbouring a segment of hantavirus Gc glycoprotein to generate a broadly-reactive hantavirus-specific monoclonal antibody. In *VIRUSES*, 2014, vol. 6, no.2, p. 640-660. (3.279 - IF2013). (2014 - Current Contents). ISSN 1999-4915.

Vedecké práce pracovníkov VÚ SAV v zahraničných karentovaných časopisoch impaktovaných bez afiliacie SAVVIR: ADCA

Počet záznamov: 10

2014

ADCA Vedecké práce v zahraničných karentovaných časopisoch impaktovaných

1.

HULÍKOVÁ, Alžbeta - AVEYARD, N. - HARRIS, A. - VAUGHAN-JONES, Richard D. - SWIETACH, P. Intracellular Carbonic Anhydrase Activity Sensitizes Cancer Cell pH-signaling to Dynamic Changes in CO₂ Partial Pressure. In *The Journal of Biological Chemistry*, 2014, vol., p. (4.600 - IF2013). (2014 - Current Contents). ISSN 0021-9258.

2.

HULÍKOVÁ, Alžbeta - SWIETACH, P. Rapid CO₂ permeation across biological membranes: implications for CO₂ venting from tissue. In *Faseb Journal : official publication of the Federation of American Societies for Experimental Biology*, 2014, vol. 7, p. 2762 - 2774. (5.480 - IF2013). (2014 - Current Contents). ISSN 0892-6638.

3.

KOMIS, G. - TAKÁČ, T. - BEKEŠOVÁ, Slávka - VADOVIČ, Pavol - SAMAJ, J. Affinity-based SDS PAGE identification of phosphorylated Arabidopsis MAPKs and substrates by acrylamide pendant Phos-Tag™. In *Methods in Molecular Biology*, 2014, vol. 1171, p. 47 - 63. (1.380 - IF2013). (2014 - Current Contents). ISSN 1064-3745.

4.

KOČI, Juraj - ŠIMO, Ladislav - PARK, Yoonseong. Autocrine/paracrine dopamine in the salivary glands of the blacklegged tick Ixodes scapularis. In *Journal of Insect Physiology*, 2014, vol. 62, p. 39-45. (2.500 - IF2013). (2014 - Current Contents). ISSN 0022-1910.

5.

KOČI, Juraj - RAMASESHADRI, P. - BOLOGNESI, R. - SEGERS, G. - FLANNAGAN, R. - PARK, Yoonseong. Ultrastructural Changes Caused by Snf7 RNAi in Larval Enterocytes of Western Corn Rootworm (*Diabrotica virgifera virgifera* Le Conte). In *PLoS ONE*, 2014, vol. 9, no. 1, article Number: e83985. (3.534 - IF2013). (2014 - MEDLINE). (2014 - Current Contents). ISSN 1932-6203.

6.

KIRKPATRICK, K. - MARSHALL, A.T. - SMITH, A.P. - KOČI, Juraj - PARK, Yoonseong. Individual differences in impulsive and risky choice: Effects of environmental rearing conditions. In *Behavioural Brain Research*, 2014, vol. 269, 115-127. (3.391 - IF2013). (2014 - Current Contents). ISSN 0166-4328.

7.

KRIŽANOVÁ, Oľga - STELIAROVÁ, Iveta - CSÁDEROVÁ, Lucia - PASTOREK, Michal - HUDECOVÁ, Soňa. Capsaicin induces apoptosis in PC12 cells through ER stress. In *Oncology Reports*, 2014, vol. 31, no. 2, p. 581 - 588. (2.191 - IF2013). (2014 - Current Contents). ISSN 1021-335X

8.

MARKOVÁ, Jana - HUDECOVÁ, Soňa - ŠOLTÝSOVÁ, Andrea - ŠÍROVÁ, Marta - CSÁDEROVÁ, Lucia - LENČEŠOVÁ, Ľubomíra - ONDRIAŠ, Karol - KRIŽANOVÁ, Oľga. Sodium/calcium exchanger is upregulated by sulfide signaling, forms complex with the Beta1 and Beta3 but not Beta2 adrenergic receptors, and induces apoptosis. In *Pflugers Archiv-European Journal of Physiology*, 2014, vol. 466, no. 7, p.1329-1342. (3.073 - IF2013). (2014 - Current Contents). ISSN 0031-6768.

9.

SWIETACH, P. - VAUGHAN-J., R.D. - HARRIS, A.L. - HULÍKOVÁ, Alžbeta. The chemistry, physiology and pathology of pH in cancer. In *Philosophical Transactions of the Royal Society B-Biological Sciences*, 2014, vol. 369, no. 1638 Special Issue: SI. (6.314 - IF2013). (2014 - Current Contents). ISSN 0962-8436.

10.

ŠIMO, Ladislav - KOČI, Juraj - KIM, D. - PARK, Y. Invertebrate Specific D1-Like Dopamine Receptor in Control of Salivary Glands in the Black-Legged Tick *Ixodes scapularis*. In *Journal of Comparative Neurology*, 2014, vol. 522, no. 9, p. 2038-2052. (3.508 - IF2013). (2014 - Current Contents). ISSN 0021-9967.

ADCA Vedecké práce v zahraničných karentovaných časopisoch impaktovaných

Počet záznamov: 12

2013 Nebolo vo VS 2013

1.

DAVID, R. - NEMČOVIČOVÁ, Ivana - SMITH, W. UL141 keeps HCMV in charge (report on original research papers). In *Nature Reviews Microbiology*, 2013, vol. 11, no. 7, p. 297. (22.490 - IF2012). (2013 - Current Contents). ISSN 1740-1526.

2.

GIUBELLINO, A - SOURBIER, C. - LEE, M.J. - SCROGGINS, B. - BULLOVÁ, Petra - LANDAU, M. - YING, W. - NECKERS, L. - TREPEL, J.B. - PACAK, K. Targeting heat shock protein 90 for the treatment of malignant pheochromocytoma. In *PLoS ONE*, 2013, vol. 8., iss. 2, p. e56083. (3.730 - IF2012). (2013 - MEDLINE). (2014 - Current Contents). ISSN 1932-6203.

3.

GIUBELLINO, A. - BULLOVÁ, Petra - NOLTING, S. - TURKOVÁ, H. - POWERS, J.F. - LIU, Q. - GUICHARD, S. - TISCHLER, A.S. - GROSSMAN, A.B. - PACAK, K. Combined inhibition of mTORC1 and mTORC2 signaling pathways is a promising therapeutic option in inhibiting pheochromocytoma tumor growth: in vitro and in vivo studies in female athymic nude mice. In *Endocrinology*, 2013, vol. 154, no. 2, p. 646 - 655. (4.717 - IF2012). (2013 - Current Contents). ISSN 0013-7227.

4.

GONDI, G. - MYSLIWETZ, J. - HULÍKOVÁ, Alžbeta - JEN, J.P. - SWIETACH, P. - KREMMER, E. - ZEIDLER, R. Antitumor Efficacy of a Monoclonal Antibody That Inhibits the Activity of Cancer-Associated Carbonic Anhydrase XII. In *Cancer Research*, 2013, vol. 73, no. 21, p. 6494-6503. (2014 - Current Contents). ISSN 008-5472.

5.

HULÍKOVÁ, Alžbeta - HARRIS, A.L. - VAUGHAN-JONES, Richard D. - SWIETACH, P. Regulation of intracellular pH in cancer cell lines under normoxia and hypoxia. In *Journal of Cellular Physiology*, 2013, vol. 228, no. 4, p. 743-752. (4.218 - IF2012). (2013 - Current Contents). ISSN 0021-9541.

6.

KOČI, Juraj - ŠIMO, Ladislav - PARK, Yoonseong. Validation of Internal Reference Genes for Real-Time Quantitative Polymerase Chain Reaction Studies in the Tick, *Ixodes scapularis* (Acari: Ixodidae). In *Journal of Medical Entomology*, 2013, vol. 50, no.1, p.79-84. (1.857 - IF2012). (2013 - Current Contents). ISSN 0022-2585.

7.

MCINTYRE, A. - HULÍKOVÁ, Alžbeta - LEDAKI, I. - SEDEN, P. - TURLEY, H. - JONES, D. - RUSSELL, A. - SWIETACH, P. - HARRIS, A.L. Hypoxic trans-activation of sodium dependent bicarbonate co-transporters regulates pH in 3D spheroids and promotes growth. In *Cancer Research*, 2013, vol. 73, no. 8, meeting abstract 4053. (2014 - Current Contents).ISSN 008-5472.

8.

NEMČOVIČOVÁ, Ivana - BENEDICT, C.A. - ZAJONC, D.M. Structure of human cytomegalovirus UL 141 binding to TRAIL-R2 reveals novel, non-canonical death receptor interactions. In *PLoS Pathogens*, 2013, vol. 3, p. e1003224. (8.136 - IF2012). (2013 - Current Contents). ISSN 1553-7366

9.

SCHROEDER, M.A. - HULÍKOVÁ, Alžbeta - ALI, M.A. - SUPURAN, C.T. - CLARKE, K. - VAUGHAN-J., R.D. - TYLER, D.J. - SWIETACH, P. An Extra-Mitochondrial Domain Rich in Carbonic Anhydrase Activity Improves Myocardial Energetics. In *Biophysical Journal*, 2013, vol. 104, no. 2, p. 303A - 303A, Suppl.1. (3.668 - IF2012). (2013 - Current Contents). ISSN 0006-3495.

10.

SMITH, W. - TOMASEC, P. - AICHELER, R. - LOEWENDORF, A. - NEMČOVIČOVÁ, Ivana - WANG, E.C. - STANTON, R.J. - MACAULEY, M. - WILLEN, L. - RUCKOVA, E. - NOMOTO, A. - SCHNEIDER, P. - HAHN, G. - ZAJONC, D.M. - WARE, C.F. - WILKINSON, G.W. - BENEDICT, C.A. Human cytomegalovirus glycoprotein UL141 targets the TRAIL death receptors to thwart host innate antiviral defenses. In *Cell host & microbe*, 2013, vol. 13, no. 3, p. 324 - 335. (12.609 - IF2012). (2013 - Current Contents). ISSN 1931-3128.

11.

ŠIMO, Ladislav - KOČI, Juraj - PARK, Yoonseong. Receptors for the neuropeptides, myoinhibitory peptide and SIFamide, in control of the salivary glands of the blacklegged tick *Ixodes scapularis*. In *Insect Biochemistry and Molecular Biology*, 2013, vol. 43, no. 4, p. 376 - 387. (3.234 - IF2012). (2013 - Current Contents). ISSN 0965-1748.

ADEA Vedecké práce v zahraničných nekarentovaných časopisoch impaktovaných

12.

NEMČOVIČOVÁ, Ivana - ŠESTÁK, Sergej - RENDIČ, Dubravko - PLŠKOVÁ, Margita - MUCHA, Ján - WILSON, Iain B.H. Characterisation of class I and II alfa-mannosidases from *Drosophila melanogaster*. In *Glycoconjugate Journal*, 2013, vol. 30, p. 899-909. (1.882 - IF2012). (2013 - Current Contents). ISSN 0282-0080.

ADCB Vedecké práce v zahraničných karentovaných časopisoch neimpaktovaných

Počet záznamov: 1

ADCB01 SEDLÁKOVÁ, Oľga - ŠVASTOVÁ, Eliška - TAKÁČOVÁ, Martina - KOPÁČEK, Juraj - PASTOREK, Jaromír - PASTOREKOVÁ, Silvia. Carbonic anhydrase IX, a hypoxia-induced catalytic component of the pH regulating machinery in tumors. In *Frontiers in Physiology*, 2014, vol. 4, no. 400, p. 1 - 14. (2014 - SCOPUS). ISSN 1664-042X.

ADDA Vedecké práce v domácich karentovaných časopisoch impaktovaných

Počet záznamov: 7

ADDA01 JURKOVIČOVÁ, Dana - MAGYERKOVÁ, M. - KULCSAR, L. - KRIVJANSKÁ, M. - KRIVJANSKÝ, V. - GIBADULINOVÁ, Adriana - OVEČKOVÁ, Ingrid - CHOVANEC, Miroslav. miR-155 as a diagnostic and prognostic marker in hematological and solid malignancies. In *Neoplasma*, 2014, vol. 61, no. 3, p. 241 - 251. (1.642 - IF2013). (2014 - Current Contents). ISSN 0028-2685.

ADDA02 KAMENCAYOVÁ, Mária - KOŠÍK, Ivan - HUNKOVÁ, J. - ŠUBR, Zdeno W.. Transient expression of the influenza A virus PB1- F2 protein using a plum pox virus - based vector in *Nicotiana benthamiana*. In *Acta Virologica : international journal*, 2014, vol. 58, no. 3, p. 274 - 277. (1.037 - IF2013). (2014 - Current Contents). ISSN 0001-723X.

ADDA03 KRIŽANOVÁ, Oľga - MARKOVÁ, J. - PACAK, K. - ŠKULTÉTY, Ľudovít - ŠOLTYSOVÁ, A. - HUDECOVÁ, Soňa. Triptolide induces apoptosis through the SERCA 3 upregulation in PC12 cells. In *General Physiology and Biophysics*, 2014, vol. 33, no. 1, p. 137 - 144. (0.875 - IF2013). (2014 - Current Contents). ISSN 0231-5882.

ADDA04 LOPUŠNÁ, K. - REŽUCHOVÁ, Ingeborg - KABÁT, Peter - KÚDELOVÁ, Marcela. Interferon lambda induces antiviral response to herpes simplex virus 1 infection. In *Acta Virologica : international journal*, 2014, vol. 58, no., p. 325 - 332. (1.037 - IF2013). (2014 - Current Contents). ISSN 0001-723X.

ADDA05 NOVÁKOVÁ, Slavomíra - SVOBODA, J. - GLASA, Miroslav. Analysis of the complete sequences of two biologically distinct Zucchini yellow mosaic virus isolates further evidences the involvement of a single amino acid in the virus pathogenicity. In *Acta Virologica : international journal*, 2014, vol. 58, p. 364 - 367. (1.037 - IF2013). (2014 - Current Contents). ISSN 0001-723X.

ADDA06 RUSS, Gustáv - KOPÁČEK, Juraj. Special issue of Acta virologica to the 60th anniversary of foundation of the Institute of Virology of the Slovak Academy of Sciences INTRODUCTION. In *Acta Virologica : international journal*, 2013, vol. 57, no. 2, p. 88 - 90. (0.759 - IF2012). (2013 - Current Contents). ISSN 0001-723X.

Nebolo vo VS 2013

ADDA07 ŽIAK, J. - KOPTIDESOVÁ, Dana - OVEČKOVÁ, Ingrid - REJHOLCOVÁ, Oľga - KOPÁČEK, Juraj - KÚDELOVÁ, Marcela - ZELNÍK, Vladimír. Ovine herpesvirus 1 (OVHV-1) thymidine kinase locus sequence analysis: evidence that OVHV-1 belongs to the Macavirus genus of the Gammaherpesvirinae subfamily. In *Acta Virologica : international journal*, 2014, vol. 58, p. 190 - 193. (1.037 - IF2013). (2014 - Current Contents). ISSN 0001-723X.

ADEB Vedecké práce v zahraničných nekarentovaných časopisoch neimpaktovaných

Počet záznamov: 2

ADEB01 RIZZOLI, Annapaola - SILAGHI, Cornelia - OBIEGALA, Anna - RUDOLF, I. - HUBÁLEK, Zdeněk - FÖLDVÁRI, G. - PLANTARD, Olivier - VAYSSIER-TAUSSAT, Muriel - BONNET, Sarah - ŠPITÁLSKA, Eva - KAZIMÍROVÁ, Mária. Ixodes ricinus and its transmitted pathogens in urban and peri-urban areas in Europe: new hazards and relevance for public health. In *Frontiers in Public health /Epidemiology/*, 2014, vol. 2, p. 251. ISSN 2296-2565 (el). Dostupné na internete: <<http://journal.frontiersin.org/Journal/10.3389/fpubh.2014.00251/abstract>, journal.frontiersin.org/Journal/10.3389/fpubh.2014.00251/pdf>.

ADEB02 ROSENBERG, V. - PASTOREKOVÁ, Silvia - ZAŤOVIČOVÁ, Miriam - SLEZÁK, P. - WACZULÍKOVÁ, I. - SVEC, Jan. Relation between carbonic anhydrase IX serum level, hypoxia and radiation resistance of head and neck cancers. In *Klinická onkologie : časopis České a slovenské onkologické společnosti*, 2014, roč.27, č. 4, s. 269 - 275. ISSN 0862-495X.

ADFB Vedecké práce v domácich nekarentovaných časopisoch neimpaktovaných

Počet záznamov: 1

ADFB01 ROZÁK, J. - PREDAJŇA, Lukáš - GÁLOVÁ, Zdenka - GLASA, Miroslav. Detection and characterization of Plum Pox Virus (PPV) isolates from eastern Slovakia revealed the presence of three main viral strains. In *Potravinárstvo : Scientific journal of food science*, 2014, vol. 8, no. 1, p. 1-7. ISSN 1337-0960.

AED Vedecké práce v domácich recenzovaných vedeckých zborníkoch (aj konferenčných), monografiách

Počet záznamov: 22

AED01 ANČICOVÁ, Lucia - WÁGNEROVÁ, Magdaléna - HRABOVSKÁ, Z. - VAREČKOVÁ, Eva - MISTRÍKOVÁ, Jela. Vplyv dvojitej vírusovej infekcie na prežívanie experimentálne infikovaných BALB/c myší. In *Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 22 - 27. ISBN 978-80-223-3592-8.

AED02 BENKÓCZKA, Timea - REŽUCHOVÁ, Ingeborg - LOPUŠNÁ, K. - KABÁT, Peter. Myšie herpetické vírusy MHV-68, MHV-72 a MHV-4556 indukujú rozdielnú expresiu interferónov typu III (lambda 1, 2 a 3) in vitro. In *Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 42 - 47. ISBN 978-80-223-3592-8.

AED03 BRIESTENSKÁ, Katarína - PLEVOVÁ, Kristína - CHALUPKOVÁ, A. - HRABOVSKÁ, Z. - ANČICOVÁ, Lucia - MISTRÍKOVÁ, Jela. Sledovanie vplyvu nových chinolónových derivátov na replikáciu myšacieho lyfotropného gamaherpesvírusu MuHV-4 (MHV-68). In *Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 77 - 82. ISBN 978-80-223-3592-8.

AED04 DRAGÚŇOVÁ, Jana - KABÁT, Peter - DRAGÚŇ, Marián - KOLLER, J. Rastlinné antivirotiká - 2. časť. In *Bulletin Československej spoločnosti mikrobiologickej*, 2014, roč. 55, č. 3, s. 117 - 124. ISSN 0009-0646.

AED05 DRAGÚŇOVÁ, Jana - KABÁT, Peter - DRAGÚŇ, Marián - KOLLER, J. Rastlinné antivirotiká - 1. časť. In *Bulletin Československej spoločnosti mikrobiologickej*, 2014, roč. 55, č. 2, s. 88 - 101. ISSN 0009-0646.

AED06 HOLLÝ, Jaroslav - KOSTOLANSKÝ, František. Príprava rekombinantných konštruktov hemaglutinín-M2e za účelom testovania ich imunogénnosti v DNA vakcinácii. In *Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 233 - 238. ISBN 978-80-223-3592-8.

AED07 HUNKOVÁ, Júlia - KAMENCAYOVÁ, Mária - ŠUBR, Zdeno W.. Kapsidový proteín vírusu mozaiky lucerny ako modelový produkt klonovaný a exprimovaný vírusovým vektorom v rastlinách. In *Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 266 - 271. ISBN 978-80-223-3592-8.

AED08 JANÍČKOVÁ, Oľga - ANČICOVÁ, Lucia - CHALUPKOVÁ, A. - HRABOVSKÁ, Z. - MISTRÍKOVÁ, Jela. Štúdium imunomodulačnej liečby isoprinosínom na BALB/c myšiach experimentálne infikovaných myšacím gamaherpesvírusom. In *Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných*

príspevkov. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 282 - 287. ISBN 978-80-223-3592-8.

AED09 KAMENCAYOVÁ, Mária - ŠUBR, Zdeno W.. Heterológna tranzientná expresia vírusových proteínov v rastlinách. In *Čo nového v mikrobiológii : Zborník krátkych článkov konferencie mladých mikrobiológov* [elektronický zdroj]. - Bratislava-Praha, 2014, s. 80 - 85. ISBN 978-80-971422-2-3. Názov z CD ROM.

AED10 KOŠÍKOVÁ, Nina - ŠKORVANOVÁ, Lucia - LACHOVÁ, Veronika - BOROVSKÁ, Petra - SVETLÍKOVÁ, Darina - BETÁKOVÁ, Tatiana. Príprava a charakterizácia vírusov chrípky typu A s mutáciami v NS géne. In *Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 361 - 366. ISBN 978-80-223-3592-8.

AED11 KOTLÁROVÁ, Lucia - HOLLÝ, Jaroslav - PRÁZNOVSKÁ, Margaréta - FODOR, Ervín - VAREČKOVÁ, Eva. Vplyv vybraných mutácií v hemaglutiníne vírusu chrípky na jeho patogenitu. In *Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 367 - 370. ISBN 978-80-223-3592-8.

AED12 LACHOVÁ, Veronika - TURIANOVÁ, Lucia - GOLAIS, František - ŠUPOLÍKOVÁ, Miroslava - SVETLÍKOVÁ, Darina - ŠKORVANOVÁ, Lucia - ŠVANČAROVÁ, Petra - BETÁKOVÁ, Tatiana. Potencionálne rastové faktory asociované s MHV majú vplyv na organizáciu cytoskeletu v MRC-5 bunkách. In *Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 394 - 399. ISBN 978-80-223-3592-8.

AED13 MATÚŠKOVÁ, Radka - PANČÍK, Peter - KÚDELOVÁ, Marcela. Optimalizácia podmienok izolácie rekombinantného proteínu M3 Myšieho herpetického vírusu bez signálnej sekvencie exprimovaného v E. coli. In *Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 448 - 452. ISBN 978-80-223-3592-8.

AED14 MATÚŠKOVÁ, Radka - PANČÍK, Peter - KÚDELOVÁ, Marcela. Optimalizácia podmienok exprese a izolácie rekombinantného M3 proteínu. In *Čo nového v mikrobiológii : Zborník krátkych článkov konferencie mladých mikrobiológov* [elektronický zdroj]. - Bratislava-Praha, 2014, s. 246 - 250. ISBN 978-80-971422-2-3. Názov z CD ROM.

AED15 MRÁZOVÁ, Veronika - ŠUPOLÍKOVÁ, Miroslava - LACHOVÁ, Veronika - BETÁKOVÁ, Tatiana - LAPUNÍKOVÁ, Barbora - KÚDELOVÁ, Marcela - GOLAIS, František. Myšací herpetický vírus (MHV-68, MuHV-4) transformuje bunky in vitro. In *Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 515 - 520. ISBN 978-80-223-3592-8.

AED16 PLICOVÁ, Lenka - ONDREJKOVÁ, Ivana - FLORES - RAMÍREZ, Gabriela - DANCHENKO, Maksym - ŠKULTÉTY, Ľudovít. Immunoreactive proteins of Coxiella burnetii recognized by immobilized polyclonal antibodies isolate from human sera. In *Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 594 - 599. ISBN 978-80-223-3592-8.

AED17 PRÁZNOVSKÁ, Margaréta - KOŠÍK, Ivan - KOTLÁROVÁ, Lucia - KOSTOLANSKÝ, František - RUSS, Gustáv. DNA vakcinácia voči vírusu chrípky typu A. In *Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. -

Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 619 - 623. ISBN 978-80-223-3592-8.

AED18 ŠKORVANOVÁ, Lucia - SVETLÍKOVÁ, Darina - LACHOVÁ, Veronika - ŠVANČAROVÁ, Petra - BETÁKOVÁ, Tatiana. Testovanie antivírusovej aktivity IFN- λ 1 a IFN- λ 2 voči vírusu chrípky typu A na VERO bunkách. In *Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 711 - 716. ISBN 978-80-223-3592-8.

AED19 VIDLIČKOVÁ, Ivana - ZAŤOVIČOVÁ, Miriam - CSÁDEROVÁ, Lucia - RADVÁNSZKA, Monika - VREŠTIAKOVÁ, Magdaléna - STUCHLIK, S. - PASTOREK, Jaromír - PASTOREKOVÁ, Silvia. Vplyv posttranslačného štiepenia karbonickej anhydrázy IX na pro-metastatické vlastnosti nádorových buniek. In *Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 814 - 819. ISBN 978-80-223-3592-8.

AED20 VOZÁROVÁ, Mária - HRABOVSKÁ, Z. - CHALUPKOVÁ, A. - ANČICOVÁ, Lucia - MISTRÍKOVÁ, Jela. Vplyv myšacieho herpetického vírusu na štruktúru a stabilitu bunkových chromzómov. In *Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 820 - 825. ISBN 978-80-223-3592-8.

AED21 VOZÁROVÁ, Zuzana - ŠUBR, Zdeno W.. Šárka sliviek – štúdium proteínových interakcií vírus-hostiteľ. In *Čo nového v mikrobiológii : Zborník krátkych článkov konferencie mladých mikrobiológov [elektronický zdroj]*. - Bratislava-Praha, 2014, s. 240-245. ISBN 978-80-971422-2-3. Názov z CD ROM.

AED22 VRBOVÁ, M. - ŠPITÁLSKA, Eva - SLOVÁK, Mirko - KÚDELOVÁ, Marcela. Molekulárna detekcia Myšieho herpetického vírusu u voľne žijúcich kliešťov *Dermacentor reticulatus*. In *Študentská vedecká konferencia PriF UK 2014 : zborník recenzovaných príspevkov*. Editori Michal Galamboš, Vladimíra Džugasová, Andrea Ševčovičová. - Bratislava : Univerzita Komenského v Bratislave vo Vydavateľstve UK, 2014, s. 826 - 831. ISBN 978-80-223-3592-8.

AEGA Stručné oznámenia, abstrakty vedeckých prác v zahraničných karentovaných časopisoch impaktovaných

Počet záznamov: 7

AEGA01 CHOVANEK, Miroslav - ZAŤOVIČOVÁ, Miriam - CHOLUJOVÁ, Dana - GRONESOVÁ, Paulína - MIŠKOVSKÁ, V. - VREŠTIAKOVÁ, Magdaléna - SVETLOVSKÁ, D. - OBERTO VÁ, Jana - VERTÁKOVÁ - KRAKOVSKÁ, Bibiana - USA KOVÁ, Vanda - ŠEVČÍKOVÁ, Katarína - ŠPÁNIK, Stanislav - ONDRUŠ, Dalibor - MARDIAK, Jozef - PASTOREKOVÁ, Silvia - MEGO, Michal. plasma levels of carbonic anhydrase IX, cytokines and angiogenic factors in testicular germ cell tumor patients. In *50th Annual Meeting ASCO - Meeting abstracts*. - Illinois, USA, 2014. (17.879 - IF2013). *Journal of Clinical Oncology*, 2014, vol. 32, suppl., p. e15541. (17.879 - IF2013). (2014 - Current Contents). ISSN 0732-183X.

AEGA02 LANCÍKOVÁ, Veronika - ŽIAROVSKÁ, Jana - DANCHENKO, Maksym - BEREZHNA, Valentyna V. - BEŽO, M. - RAŽNÁ, Katarína - RASHYDOV, Namik M. - HAJDUCH, Martin. Preliminary analysis of DNA isolated from flax grown in the radio-contaminated Chernobyl area for six generations suggests the stability of fatty acid desaturase genes. In *XVI. European Congress on Biotechnology - Book of abstracts*. - Edinburgh, Scotland, 2014. (2.884 - IF2013). *Journal of Biotechnology*. - Netherlands : Elsevier Science BV, 2014, vol. 31, suppl., p. 203. (2.884 - IF2013). (2014 - Current Contents). ISSN 0168-1656.

AEGA03 NEMČOVIČOVÁ, Ivana - ZAJONC, D.M. Cytomegalovirus gpUL141 exhibits unique receptor-binding domain to inhibit cell surface expression of CD 155 and TRAIL death receptor. In *SSB XIIIth*.

Discussions in Structural Molecular Biology - Book of abstracts. - Nové Hradý, 2014. (1.390 - IF2013).
Materials and Structures. - Springer, 2014, vol. 21, no. 1, p. 20. (1.390 - IF2013). (2014 - Current Contents).
ISSN 1359-5997.

AEGA04 NEMČOVIČOVÁ, Ivana. Receptor - ligand interactions can promote crystalization. In *The 1st joint FEBS-INSTRUCT crystalization course in the middle EU - Advanced methods in macromolecular crystalization VI.* - Nové Hradý : Academic and University Center, 2014. (1.390 - IF2013). *Materials and Structures.* - Springer, 2014, vol. 21, no. 2a, p. 22. (1.390 - IF2013). (2014 - Current Contents). ISSN 1359-5997.

AEGA05 PASTOREKOVÁ, Silvia. Carbonic anhydrase IX - a catalytic component of the ion transport machinery in cancer. In *93rd Annual Meeting of the German Physiological Society - Book of abstracts.* - Germany, 2014. (4.251 - IF2013). *Acta Physiologica : official journal of the Federation of European Physiological Societies.* - Oxford, England : Blackwell Publishing, 2014, vol. 210, suppl. 695, p. 46. (4.251 - IF2013). (2014 - Current Contents). ISSN 1748-1708.

AEGA06 UHLENBROCK, F.K. - HAGEMANN-JENSEN, Ma. - KEHLET, S.N. - ANDRESEN, L. - PASTOREKOVÁ, Silvia - SKOV, S. Cell surface transport undercover: The expression of the soluble and surface-bound NKG2D-ligand ULBP2 is dependent on endosomal regulation. In *42nd Annual Meeting of the Scandinavian-Society for Immunology - Reykjavik, Island.* - Reykjavik : 2014. (1.882 - IF2013). *Scandinavian Journal of Immunology.* - England : Wiley - Blackwell, 2014, vo. 79, no. 6, p. 469. (1.882 - IF2013). (2014 - Current Contents).

AEGA07 ZIEGELHÖFFER, Attila - FERKO, Miroslav - WACZULÍKOVÁ, Iveta - RAVINGEROVÁ, Táňa - PASTOREKOVÁ, Silvia - KANCÍROVÁ, Ivana - JAŠOVÁ, Magdaléna. Free radicals in civilisation diseases - Friends or foe of endogenous protective processes in the myocardium. In *Acta Physiologica : official journal of the Federation of European Physiological Societies.* - Oxford, England : Blackwell Publishing, 2014, vol. 211, suppl. s697, p. 85. (4.251 - IF2013). (2014 - Current Contents). ISSN 1748-1708. *Joint Meeting of the Federation of European Physiological Societies (FEPS), August 27-30, 2014, Budapest, Hungary.* (4.251 - IF2013).

AFC Publikované príspevky na zahraničných vedeckých konferenciách

Počet záznamov: 2

AFC01 MIHALOVA, A. - SLÁVIKOVÁ, Monika - DANCHENKO, Maksym - PROKS, V. - KUCKA, J. - KRONEKOVÁ, Zuzana - LACÍK, I. Peptide-modified hydrogels for enhancing immuno-isolation of encapsulated cells. In *XXII International Conference on Bioencapsulation : 21st Bratislava International Conference on Macromolecules : Bratislava, Slovakia, September 17-19, 2014 : book of contributions.* - Bioencapsulation Research Group, 2014, p. 110-111.

AFC02 NÉMETHOVÁ, Veronika - VNUKOVÁ, Dominika - BULIAKOVÁ, Barbora - GÁBELOVÁ, Alena - ZÁVIŠOVÁ, Vlasta - KONERACKÁ, Martina - ČIAMPOR, Fedor - LACÍK, Igor - RÁZGA, Filip. The impact of coating on size and colloidal stability of magnetite nanoparticles. In *XXII International Conference on Bioencapsulation : 21st Bratislava International Conference on Macromolecules : Bratislava, Slovakia, September 17-19, 2014 : book of contributions.* - Bioencapsulation Research Group, 2014, p. 130-131.

AFDB Publikované príspevky na domácich vedeckých konferenciách

Počet záznamov: 4

AFDB01 BENEJ, Martin - ŠVASTOVÁ, Eliška - REPIČ, Marko - VULIČ, R. - VITALE, M. - ZAMBRANO, N. - SCALONI, A. - KOPÁČEK, Juraj - PASTOREKOVÁ, Silvia. Carbonic anhydrase IX and glycolysis: a potential link revealed by proteomic profiling. In *Nadácia výskum rakoviny. Súťaž mladých onkológov 2014 : Zborník*

prednášok. - Bratislava : Nadácia Výskum rakoviny a Ústav experimentálnej onkológie SAV, 2014, s. 66 - 69. ISSN 978-80971621-0-8.

AFDB02 DEBROVÁ, Michaela - CSÁDEROVÁ, Lucia - VREŠTIAKOVÁ, Magdaléna - PASTOREKOVÁ, Silvia - ŠVASTOVÁ, Eliška. Cancer-associated carbonic anhydrase IX facilitates cell adhesion to solid support, potentially contributing to a crucial step of the metastatic cascade. In Nadácia výskum rakoviny. *Súťaž mladých onkológov 2014 : Zborník prednášok*. - Bratislava : Nadácia Výskum rakoviny a Ústav experimentálnej onkológie SAV, 2014, s. 51 - 55. ISSN 978-80971621-0-8.

AFDB03 RADVÁK, Peter - ŠVASTOVÁ, Eliška - CSÁDEROVÁ, Lucia - TAKÁČOVÁ, Martina - PASTOREKOVÁ, Silvia - KOPÁČEK, Juraj. Depletion of carbonic anhydrase IX leads to the decrease of migration and invasion ability of tumor cells. In Nadácia výskum rakoviny. *Súťaž mladých onkológov 2014 : Zborník prednášok*. - Bratislava : Nadácia Výskum rakoviny a Ústav experimentálnej onkológie SAV, 2014, s. 56 - 60. ISSN 978-80971621-0-8.

AFDB04 VIDLIČKOVÁ, Ivana - ZAŤOVIČOVÁ, Miriam - CSÁDEROVÁ, Lucia - RADVÁNSZKA, Monika - STUHLÍK, Stanislav - PASTOREK, Jaromír - PASTOREKOVÁ, Silvia. Impact of Carbonic Anhydrase IX Shedding on Pro-metastatic Characteristics of Tumor Cells. In Nadácia výskum rakoviny. *Súťaž mladých onkológov 2014 : Zborník prednášok*. - Bratislava : Nadácia Výskum rakoviny a Ústav experimentálnej onkológie SAV, 2014, s. 61-65. ISSN 978-80971621-0-8.

AfE Abstrakty pozvaných príspevkov zo zahraničných konferencií

Počet záznamov: 2

AfE01 KLEMPA, Boris. Apodemus-borne hantaviruses in Europe: Complex evolution and epidemiology of Dobrava-Belgrade virus. In *14th Rodens et Spatium International Conference on Rodent Biology: Book of abstracts*. - Lisboa, Portugal, 2014, p. 36.

AfE02 NEMČOVIČOVÁ, Ivana - ZAJONC, D.M. HCMV encoding gpUL141 uses specific lock-and-key mechanism to inhibit NK-cell activating ligand CD155. In *5th RECAMO joint meeting : Through cancer research towards applied molecular oncology MMCI proceeding*. - Brno : Masaryk Memorial Cancer Institute, 2014, p. 8. ISBN 978-80-86793-33-7.

AfFA Abstrakty pozvaných príspevkov z medzinárodných vedeckých konferenciách poriadaných v SR

Počet záznamov: 2

AfFA01 ŠIMKO, Veronika - LABUDOVÁ, Martina - CSÁDEROVÁ, Lucia - ZAŤOVIČOVÁ, Miriam - JULIANO, Filippo - DITTE, Zuzana - DITTE, Peter - PASTOREK, Jaromír. New aspects of the regulation of function of tumor Q associated carbonic anhydrase IX. In *1st ISCAM Meeting - 5th ISPDC Meeting - Cancer metabolism: mechanisms, consequences and therapeutic opportunities, Smolenice castle near Bratislava, Slovakia : PPROGRAM AND ABSTRACTS*. - Bratislava : Institute of Virology - Department of Molecular Medicine, Slovak Academy of Sciences, 2014, p. 44 - 45.

AfFA02 ŠVASTOVÁ, Eliška. CA IX – multitasking component of the metastatic cascade. In *1st ISCAM Meeting - 5th ISPDC Meeting - Cancer metabolism: mechanisms, consequences and therapeutic opportunities, Smolenice castle near Bratislava, Slovakia : PROGRAM AND ABSTRACTS*. - Bratislava : Institute of Virology - Department of Molecular Medicine, Slovak Academy of Sciences, 2014, p. 58 - 59.

AFFB Abstrakty pozvaných príspevkov z domácich konferencií

Počet záznamov: 5

AFFB01 BLAŠKOVIČOVÁ, H. - RADVÁNSZKA, Monika - KILIÁN, Peter - PASTOREKOVÁ, Silvia. Vírus lymfocytárnej choriomeningitídy - od vírusu k diagnostike. In *Transplantácie orgánov a vírusové infekcie : zborník prednášok*. - Bratislava : BioScience Slovakia s.r.o. a Virologický ústav SAV, 2014, s. 14.

AFFB02 LABUDOVOÁ, Martina. Interakcia vírusu lymfocytárnej choriomeningitídy s bunkou a jej dôsledky. In *Transplantácie orgánov a vírusové infekcie : zborník prednášok*. - Bratislava : BioScience Slovakia s.r.o. a Virologický ústav SAV, 2014, s. 12.

AFFB03 PASTOREKOVÁ, Silvia. Vynárajúce sa vírusové infekcie človeka ako dôsledok civilizačných zmien. In *Transplantácie orgánov a vírusové infekcie : zborník prednášok*. - Bratislava : BioScience Slovakia s.r.o. a Virologický ústav SAV, 2014, s. 2.

AFFB04 RADVÁNSZKA, Monika - KILIÁN, Peter - PASTOREKOVÁ, Silvia. Využitie metódy real-time PCR v molekulárnej diagnostike vírusu lymfocytárnej choriomeningitídy. In *Transplantácie orgánov a vírusové infekcie : zborník prednášok*. - Bratislava : BioScience Slovakia s.r.o. a Virologický ústav SAV, 2014, s. 16.

AFFB05 TOMÁŠKOVÁ, Jana. Vírus lymfocytovej choriomeningitídy - podceňovaný ľudský pathogen. In *Transplantácie orgánov a vírusové infekcie : zborník prednášok*. - Bratislava : BioScience Slovakia s.r.o. a Virologický ústav SAV, 2014, s. 11.

AFG Abstrakty príspevkov zo zahraničných konferencií

Počet záznamov: 76

AFG01 ANČICOVÁ, L. - WÁGNEROVÁ, M. - CHALUPKOVÁ, A. - HRABOVSKÁ, Z. - VAREČKOVÁ, Eva - MISTRÍKOVÁ, Jela. Koinfekcia a jej vplyv na expresiu vybraných génov MHV-68. In *Tomáškovy dny 2014 : XXIII. konference mladých mikrobiológů*. - Brno : Masarykova univerzita, 2014, p. 57. ISBN 978-80-210-6805-6.

AFG02 BARTÍKOVÁ, Pavlína - ŠTIBRÁNIOVÁ, Iveta - SLOVÁK, Mirko - HOLÍKOVÁ, Viera - HAJNICKÁ, Valéria. A Manipulation of Wound Healing Process by Tick Saliva : prednáška. In *Scientific Programme: Workshop on Ticks and Tick-Borne Diseases, 2014 Berlin*, p. 50.

AFG03 BARTÍKOVÁ, Pavlína - ŠTIBRÁNIOVÁ, Iveta - HOLÍKOVÁ, Viera - SLOVÁK, Mirko - KAZIMÍROVÁ, Mária. Ticks with long hypostome induce morphological changes in different cell lines. In *Joint 8th International Ticks and Tick-borne Pathogens (TTP-8) and 12th Biennial Society for Tropical Veterinary Medicine (STVM) Conference : Poster Abstracts*. - Cape Town, South Africa, 2014, p. 81.

AFG04 BENEDIKOVÁ, D. - PREDAJŇA, Lukáš - GLASA, Miroslav. Detection and characterization of little cherry-virus 1 in local Slovak cherry germplasm. In *Book of abstracts : Sustainable production of high-quality cherries for the European market - 4th Management Committee and Working Group meeting*. - Bordeaux, 2014, p. 34.

AFG05 BOHÁCSOVÁ, Monika - SEKEYOVÁ, Zuzana - FILIPČÍK, Peter - OPATTOVÁ, A. - VALÁRIKOVÁ, Jana - QUEVEDO-DIAZ, Marco - NOVÁK, Michal. Propagation of Rickettsiae in corticohippocampal neuronal cells. In *Tomáškovy dny 2014 : XXIII. konference mladých mikrobiológů*. - Brno : Masarykova univerzita, 2014, p. 59. ISBN 978-80-210-6805-6.

AFG06 BULIAKOVÁ, Barbora - MESÁROŠOVÁ, Monika - ŠELC, Michal - KRETOVÁ, Miroslava - URSÍNYOVÁ, M. - ČIAMPOR, Fedor - RÁZGA, Filip - VNUKOVÁ, Dominika - GÁBELOVÁ, Alena. The surface-

modified magnetite nanoparticles induce ERK1/2, SAPK/JNK and p53 phosphorylation in A549 cells. In *10th International conference on the scientific and clinical applications of magnetic carriers*. - Germany : Technische universitat Dresden, 2014, p. 61.

AFG07 CSÁDEROVÁ, Lucia - DEBŘEOVÁ, Michaela - RADVÁK, Peter - STANO, M. - VREŠTIAKOVÁ, Magdaléna - KOPÁČEK, Juraj - PASTOREKOVÁ, Silvia - ŠVASTOVÁ, Eliška. Beyond pH regulation: A role of CA IX in focal adhesion during cell spreading and movement. In *The 4th Annual Meeting of the International Society of Proton Dynamics in Cancer (ISPDC) : congress program and abstracts*. - Munchen : Garching Research Center Technical University of Munich, 2013, p. 70.

Nebolo vo VS 2013

AFG08 DANCHENKO, Maksym - KLUBICOVÁ, K. - ŠKULTÉTY, Ľudovít - RASHYDOV, N.M. - HAJDUCH, M. Comparative proteomics of developing soybean seeds grown in the contaminated Chernobyl area. In *Book of Abstracts 3rd Annual Conference of the Czech Society for Mass Spectrometry*. - Hradec Králové, 2013, p. Th0 - 014.

Nebolo vo VS 2013

AFG09 DEBŘEOVÁ, Michaela - CSÁDEROVÁ, Lucia - VREŠTIAKOVÁ, Magdaléna - PASTOREKOVÁ, Silvia - ŠVASTOVÁ, Eliška. Cancer-associated carbonic anhydrase IX facilitates cell adhesion to solid support, potentially contributing to a crucial step of the metastatic cascade. In *Abstracts of papers at the EMBO/EMBL Symposium: Tumour microenvironment and signalling*. - Heidelberg , Germany, 2014, p. 109.

AFG10 ECKERLE, I. - ULRICH, R. - RANG, A. - KLEMPA, Boris - RADOSA, Lukáš - MULLER, M.A. - DROSTEN, C. Epithelial cell lines from bats, rodents and insectivores – a novel tool for in vitro investigation of pathogen-host interaction. In *Joint Conference: German Symposium on Zoonoses Research 2014 and 7th International Conference on Emerging Zoonoses..* - Berlin, 2014, p. 72.

AFG11 GÁBELOVÁ, Alena - MESÁROŠOVÁ, Monika - CHALUPA, Ivan - KOZICS, Katarína - BÁBELOVÁ, Andrea - BULIAKOVÁ, Barbora - ŠELC, Michal - URSÍNYOVÁ, M. - VÁVRA, Ivo - TIMKO, Milan - ČIAMPOR, Fedor - VNUKOVÁ, Dominika - RÁZGA, Filip. Nanočastice magnetitu - nano: bio interakcie in vitro. In *Genetická toxikológia a prevencia rakoviny : 37. Pracovní dny České a Slovenské společnosti pro mutagenézu zevním prostředím Československé biologické společnosti*. - Brno, 2014, s. 59. ISBN 978-80-7013-568-6.

AFG12 GÁBRIŠOVÁ, Daša - DANCHENKO, Maksym - HAJDUCH, Martin. Proteomic analysis of flax adaptation in Chernobyl area using gel-free and gel-based approach. In *Advances in Plant Breeding & Biotechnology Techniques*. : 27-29 April, 2014. - Pannonian Plant Biotechnology Association, 2014, p. 38-39. ISBN 978-963-89129-5-4.

AFG13 GÁBRIŠOVÁ, Daša - DANCHENKO, Maksym - ŠKULTÉTY, Ľudovít - RASHYDOV, Namik M. - HAJDUCH, Martin. Proteomic analysis of seed development of flax grown in radio-contaminated Chernobyl area for three generations. In *1 st INPPO World Congress on Plant Proteomics: Methodology to Biology*. : 31. 8. - 4. 9. 2014. - Hamburg : Hosted by the University of Hamburg, 2014, p. 101.

AFG14 GIBADULINOVÁ, Adriana - FILIPČÍK, Pavel - PASTOREKOVÁ, Silvia. Connection between S100P and the p53/MDM2 tumor supressor pathways. In *Československá biologická společnost. Sborník přednášek a posteru, program : XXI. Biologické dny. Pokroky a výzvy současné nádorové biologie*. - Brno : Venice s.r.o., 2014, p. 64. ISBN 978-80-260-6793-1.

AFG15 HAVLÍKOVÁ, Sabina - LIČKOVÁ, Martina - AYLLÓN, N. - ROLLER, Ladislav - KAZIMÍROVÁ, Mária - SLOVÁK, Mirko - MORENO-CID, Juan - JOSÉ, M. - PÉREZ DE LA LASTRA, José M. - KLEMPA, Boris - FUENTE, de la José. Importance of the tick protein subolesin during tick-borne encephalitis virus infection in the context of anti-tick vaccine development. In *Joint 8th International Ticks and Tick-borne Pathogens (TTP-8) and 12th Biennial Society for Tropical Veterinary Medicine (STVM) Conference : Poster Abstracts*. - Cape Town, South Africa, 2014, p. 38.

AFG16 HOLLÝ, Jaroslav - VAREČKOVÁ, Eva - KOSTOLANSKÝ, František. Příprava fúzných konštruktov ektodomény M2 proteínu s hemaglutinínom pre DNA vakcináciu proti vírusu chrípky typu A. In *Tomáškovy dny 2014 : XXIII. konference mladých mikrobiológů*. - Brno : Masarykova univerzita, 2014, p. 62. ISBN 978-80-210-6805-6.

AFG17 JANULÍKOVÁ, Jana - BOBIŠOVÁ, Zuzana - MUCHA, Vojtech - KOSTOLANSKÝ, František - VAREČKOVÁ, Eva. Antibody response to successive infection of mice with human and avian influenza A viruses. In European Scientific Working group on Influenza. *The fifth ESWI Influenza Conference, 14-17 September 2014, Riga : Abstract Book*. - Riga, Latvia, 2014, p. 55.

AFG18 KAZIMÍROVÁ, Mária - SVITÁLKOVÁ, Zuzana - MOJŠOVÁ, Michala - MYDLOVÁ, Lenka - BERTHOVÁ, Lenka - SLOVÁK, Mirko - KOCIANOVÁ, Elena. Abundance of Ixodes ricinus in an urban and woodland area in Southwestern Slovakia. In *Joint 8th International Ticks and Tick-borne Pathogens (TTP-8) and 12th Biennial Society for Tropical Veterinary Medicine (STVM) Conference : Poster Abstracts*. - Cape Town, South Africa, 2014, p. 90.

AFG19 KAZIMÍROVÁ, Mária - SVITÁLKOVÁ, Zuzana - MAHRÍKOVÁ, L. - ŠPITÁLSKA, Eva - BERTHOVÁ, Lenka - BLAŇAROVÁ, Lucia - BONA, Martin - KRALÍK, Jasna - MIKLISOVÁ, Dana - MOJŠOVÁ, Michala - MOŠANSKÝ, Ladislav - SLOVÁK, Mirko - KOCIANOVÁ, Elena - STANKO, Michal. Spatial and temporal distribution in abundance of questing Ixodes ricinus and prevalence of tick-borne pathogens in different habitat types of Slovakia. : poster presentations. In *Abstract book : 19th European SOVE Conference*. - Greece (Thessaloniki) : European Society for Vector Ecology (E-SOVE), 2014, p. 132, poster 41. Dostupné na internete: <<http://www.sove.org/European%20SOVE%20folder/greecemain.html>>.

AFG20 KÉRY, Martin - ONDRISKOVÁ, Elena - TAKÁČOVÁ, Martina - ŠVASTOVÁ, Eliška - PASTOREKOVÁ, Silvia - KOPÁČEK, Juraj. Signálne dráhy ovplyvnené prítomnosťou karbonickej anhydrázy IX. In Československá biologická spoločnosť. *Sborník přednášek a posteru, program : XXI. Biologické dny. Pokroky a výzvy současné nádorové biologie*. - Brno : Venice s.r.o., 2014, p. 71. ISBN 978-80-260-6793-1.

AFG21 KLUBICOVÁ, Katarína - SZABÓOVÁ, M. - ŠKULTÉTY, Ľudovít - LIBIAKOVÁ, Gabriela - HRICOVÁ, Andrea. Characterization of amaranth (*Amaranthus cruentus*) seed proteome. In *Plant Gene Discovery & "Omics" Technologies : Vienna International science conferences and events association, 17-18 February 2014*. - Vienna, 2014, p.45.

AFG22 KLUBICOVÁ, Katarína - DANCHENKO, Maksym - ŠKULTÉTY, Ľudovít - RASHYDOV, Namik M. - HAJDUCH, Martin. The analysis of flax seeds harvested from Chernobyl area with increased oil content. In *1st INPPO World Congress on Plant Proteomics: Methodology to Biology*. : 31. 8. - 4. 9. 2014. - Hamburg : Hosted by the University of Hamburg, 2014, p. 99.

AFG23 KONTSEKOVÁ, Soňa - REPIČ, A. - BARÁTHOVÁ, Monika - POLČICOVÁ, Katarína - PASTOREK, Jaromír. Generation and characterization of monoclonal antibodies against endosialin, the potential marker of tumor angiogenesis. In *10th Young Scientist Association (YSA) PhD Symposium- Book of abstracts*. - Vienna, Austria : Medical University of Vienna, 2014, p. 169.

AFG24 KOPÁČEK, Juraj - RADVÁK, Peter - KÉRY, Martin - ŠVASTOVÁ, Eliška - ZAŤOVIČOVÁ, Miriam - TAKÁČOVÁ, Martina - CSÁDEROVÁ, Lucia - ŠIMKO, Veronika - PASTOREKOVÁ, Silvia. Regulation of pH in tumour microenvironment: key role of the hypoxia-induced carbonic anhydrase IX. In *Abstracts of papers at the EMBO/EMBL Symposium: Tumour microenvironment and signalling*. - Heidelberg , Germany, 2014, p. 175.

AFG25 KOSTOLANSKÝ, František - DUGOVIČOVÁ, V. - JANULÍKOVÁ, Jana - MUCHA, Vojtech - MISTRÍKOVÁ, Jela - VAREČKOVÁ, Eva. Virus dose-dependent neutrophil and lymphocyte proportions in

peripheral blood during influenza A infection of mice. In European Scientific Working group on Influenza. *The fifth ESWI Influenza Conference, 14-17 September 2014, Riga : Abstract Book*. - Riga, Latvia, 2014, p. 56.

AFG26 KOŠÍK, Ivan - PRÁZNOVSKÁ, Margaréta - KREJNUSOVÁ, Ingrid - RUSS, Gustáv. Stability of the PB1-F2 represents central determinant of its biological behaviour. In *Tomáškovy dny 2014 : XXIII. konference mladých mikrobiológů*. - Brno : Masarykova univerzita, 2014, p. 17. ISBN 978-80-210-6805-6.

AFG27 KOŠÍK, Ivan - PRÁZNOVSKÁ, Margaréta - KOŠÍKOVÁ, Martina - VAREČKOVÁ, Eva - KOSTOLANSKÝ, František - POLÁKOVÁ, Katarína - RUSS, Gustáv. Ubiquitination of the influenza A virud PB1-F2 protein in crucial for its biological functions. In European Scientific Working group on Influenza. *The fifth ESWI Influenza Conference, 14-17 September 2014, Riga : Abstract Book*. - Riga, Latvia, 2014, p. 51.

AFG28 KOTLÁROVÁ, Lucia - HOLLY, Jaroslav - PRÁZNOVSKÁ, Margaréta - FODOR, Ervín - VAREČKOVÁ, Eva. Príprava mutantných vírusov chrípky typu A metódou reverznej genetiky. In *Tomáškovy dny 2014 : XXIII. konference mladých mikrobiológů*. - Brno : Masarykova univerzita, 2014, p. 65. ISBN 978-80-210-6805-6.

AFG29 KÚDELOVÁ, Marcela - PANČÍK, Peter - MATÚŠKOVÁ, Radka - BELVONČÍKOVÁ, Petra - RAJČÁNI, Július. Expression and characterization of M3 protein of Murine gammaherpesvirus 68 prepared in E. coli. In *4th World Congress on Virology : Certificate OMICS Publishing Group and the Editors of Journal of Antiviral and Antiretrovirals and Journal of Virology and Mycology*. - San Antonio, 2014, p. V - 023.

AFG30 KÚDELOVÁ, Marcela - VRBOVÁ, E. - ŠPITÁLSKA, Eva - SLOVÁK, Mirko - BARTÍKOVÁ, Pavlína - ŠTIBRÁNIOVÁ, Iveta. The incidence of Murine herpesvirus 68 in wild ticks Dermacentor reticulatus occurring in territory of Slovakia. In *Joint 8th International Ticks and Tick-borne Pathogens (TTP-8) and 12th Biennial Society for Tropical Veterinary Medicine (STVM) Conference : Poster Abstracts*. - Cape Town, South Africa, 2014, p.54.

AFG31 LACHOVÁ, Veronika - GOLAIS, František - ŠUPOLÍKOVÁ, Miroslava - SVETLÍKOVÁ, Darina - ŠKORVANOVÁ, Lucia - ŠVANČAROVÁ, Petra - BETÁKOVÁ, Tatiana. Vplyv rastového faktoru asociovaného s MHV na organizáciu cytoskeletu v MRC-5 bunkách. In *Tomáškovy dny 2014 : XXIII. konference mladých mikrobiológů*. - Brno : Masarykova univerzita, 2014, p. 68. ISBN 978-80-210-6805-6.

AFG32 LANCÍKOVÁ, Veronika - ŽIAROVSKÁ, Jana - DANCHENKO, Maksym - BEREZHNA, Valentyna V. - BEŽO, M. - RAŽNÁ, Katarína - RASHYDOV, Namik M. - HAJDUCH, Martin. Characterization of fatty acid desaturase genes in plants grown in radio-contaminated Chernobyl area. In *1 st INPPO World Congress on Plant Proteomics: Methodology to Biology*. : 31. 8. - 4. 9. 2014. - Hamburg : Hosted by the University of Hamburg, 2014, p. 72.

AFG33 LANCÍKOVÁ, Veronika - ŽIAROVSKÁ, Jana - DANCHENKO, Maksym - BEREZHNA, Valentyna V. - BEŽO, M. - RAŽNÁ, Katarína - RASHYDOV, Namik M. - HAJDUCH, Martin. Restriction fragment length polymorphism mapping of flax grown in radio-contaminated Chernobyl environment suggests the stability of delta-12 desaturase and fatty acid desaturase 3C genes. In *Advances in Plant Breeding & Biotechnology Techniques*. : 27-29 April, 2014. - Pannonian Plant Biotechnology Association, 2014, p. 64-65. ISBN 978-963-89129-5-4.

AFG34 LAPOŠOVÁ, Katarína - LUKÁČIKOVÁ, Ľubomíra - OVEČKOVÁ, Ingrid - BREZA, Juraj - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - TOMÁŠKOVÁ, Jana. Prevalence of LCMV in patients with renal carcinoma. In *IUMS 2014, Montreal, Canada : International Union of Microbiological Societies, Congresses • July 27 – August 1, 2014*. - Montreal, Canada, 2014, p.1003.

AFG35 LAPUNÍKOVÁ, Barbora - KÚDELOVÁ, Marcela - LOPUŠNÁ, K. - REŽUCHOVÁ, Ingeborg. Contribution to the knowledge on latency of murine gammaherpesviruses: a study on MHV-72 by induced

reactivation ex vivo. In *Tomáškovy dny 2014 : XXIII. konference mladých mikrobiologů*. - Brno : Masarykova univerzita, 2014, p. 69. ISBN 978-80-210-6805-6.

AFG36 LOPUŠNÁ, K. - KÚDELOVÁ, Marcela - KABÁT, Peter - REŽUCHOVÁ, Ingeborg. Mechanisms involved in signal transduction of latency establishment and reactivation of murine gammaherpesvirus, a model for study on human oncogenic herpesviruses. In *Tomáškovy dny 2014 : XXIII. konference mladých mikrobiologů*. - Brno : Masarykova univerzita, 2014, p. 71. ISBN 978-80-210-6805-6.

AFG37 MATÚŠKOVÁ, Radka - PANČÍK, Peter - KÚDELOVÁ, Marcela. Isolation of recombinant immunomodulatory protein M3 of Murine herpesvirus 68 without signal sequence expressed in E.coli by IMAC. In *Tomáškovy dny 2014 : XXIII. konference mladých mikrobiologů*. - Brno : Masarykova univerzita, 2014, p. 72. ISBN 978-80-210-6805-6.

AFG38 MATÚŠKOVÁ, Radka - PANČÍK, Peter - BELVONČÍKOVÁ, Petra - KÚDELOVÁ, Marcela. Recombinant M3 protein of Murine herpesvirus produced in E. coli displays selective binding activity against human chemokines. In *XVI. Setkání biochemiků a molekulárních biologů - Sborník abstraktů*. - Brno, 2014, p. 75.

AFG39 NOVÁKOVÁ, Slavomíra - FLORES - RAMÍREZ, Gabriela - ŠKULTÉTY, Ľudovít - DANCHENKO, Maksym - SVOBODA, J. - GLASA, Miroslav. Comparative proteomics as a tool to study differences in response of two zucchini cultivars toward the Zucchini yellow mosaic virus infection. In *Bulletin České společnosti experimentální biologie rostlin 2014, 6. Metodické dny, sborník abstrakt.* - Jezerka Seč, 2014, p. 100. ISSN 1213-6670.

AFG40 NOVÁKOVÁ, Slavomíra - FLORES - RAMÍREZ, Gabriela - ŠKULTÉTY, Ľudovít - DANCHENKO, Maksym - SVOBODA, J. - ŠUBR, Zdeno W. - GLASA, Miroslav. Proteomic analysis of the plant-virus interaction in two cultivars of zucchini /Cucurbita pepo/ with different behaviour to the ZYMV infection. In *Plant Gene Discovery & "Omics" Technologies : International plat conference Proceedings of abstracts.* - Vienna, 2014, p. 36.

AFG41 PASTOREKOVÁ, Silvia - ŠVASTOVÁ, Eliška - ZAŤOVIČOVÁ, Miriam - CSÁDEROVÁ, Lucia - TAKÁČOVÁ, Martina - KOPÁČEK, Juraj - PASTOREK, Jaromír. Adaptive responses of cancer cells to hypoxia and acidosis in tumor microenvironment. In *Československá biologická společnost. Sborník přednášek a posteru, program : XXI. Biologické dny. Pokroky a výzvy současné nádorové biologie*. - Brno : Venice s.r.o., 2014, p. 23. ISBN 978-80-260-6793-1.

AFG42 PASTOREKOVÁ, Silvia - ZAŤOVIČOVÁ, Miriam - CSÁDEROVÁ, Lucia - TAKÁČOVÁ, Martina - KOPÁČEK, Juraj - PASTOREK, Jaromír. CA IX role in pH regulation and signaling in cancer - a subcellular context - related view. In *The 4th Annual Meeting of the International Society of Proton Dynamics in Cancer (ISPDC) : congress program and abstracts.* - Munchen : Garching Research Center Technical University of Munich, 2013, p. 22.

Nebolo vo VS 2013

AFG43 PRÁZNOVSKÁ, Margaréta - KOŠÍK, Ivan - KOŠÍKOVÁ, Martina - KOTLÁROVÁ, Lucia - VAREČKOVÁ, Eva - VAREČKOVÁ, Eva - RUSS, Gustáv - KOSTOLANSKÝ, František. DNA vakcína exprimujúca PB1 protein vírusu chrípky typu A chráni myši pred laterálnou infekciou. In *Tomáškovy dny 2014 : XXIII. konference mladých mikrobiologů*. - Brno : Masarykova univerzita, 2014, p. 77. ISBN 978-80-210-6805-6.

AFG44 PUCCIARELLI, D. - TAKÁČOVÁ, Martina - CSÁDEROVÁ, Lucia - JULIANO, Filippo - LENGGER, N. - BREITENEDER, H. - PASTOREKOVÁ, Silvia - HAFNER, C. Hypoxia influences the response to vemurafenib in V600E mutant melanoma cells. In *Annual meeting of American Association for Cancer Research.* - San Diego, 2014, abstract 508.

- AFG45 PUCCIARELLI, D. - TAKÁČOVÁ, Martina - CSÁDEROVÁ, Lucia - JULIANO, Filippo - LENGGER, N. - BREITENEDER, H. - PASTOREKOVÁ, Silvia - HAFNER, C. The response to vemurafenib is influenced by hypoxia in V600E mutant melanoma. In *10th Young Scientist Association (YSA) PhD Symposium- Book of abstracts*. - Vienna, Austria : Medical University of Vienna, 2014, p. 16.
- AFG46 RADOSA, Lukáš - SCHLEGEL, M. - ESSBAUER, S. - HOPER, D. - WALTHER, B. - KRÜGER, D.H. - KLEMPA, Boris - ULRICH, R.G. Nova virus as the first mole-borne hantavirus detected in Germany. In *24th Annual Meeting of the Society for Virology. ABSTRACT BAND* [elektronický zdroj]. - Tyrol, 2014, p. 94. Názov z CD ROM.
- AFG47 RADOSA, Lukáš - SCHLEGEL, M. - ESSBAUER, S. - HOPER, D. - WALTHER, B. - KRÜGER, D.H. - KLEMPA, Boris - ULRICH, R.G. Occurrence of shrew- and mole-borne hantaviruses in Germany. In *Joint Conference: German Symposium on Zoonoses Research 2014 and 7th International Conference on Emerging Zoonoses..* - Berlin, 2014, p. 262.
- AFG48 RÁZGA, Filip - NÉMETHOVÁ, Veronika - BULIAKOVÁ, Barbora - GÁBELOVÁ, Alena - VNUKOVÁ, Dominika - ZÁVIŠOVÁ, Vlasta - KONERACKÁ, Martina - ČIAMPOR, Fedor - LACÍK, Igor. The size of colloidal stability of magnetite nanoparticles: An impact of surface coating. In *Polymery 2014 : VIII. česko-slovenská konference : Třešť, ČR, 6.- 9.10. 2014 : programová brožura konference*. - Praha, ČR : Ústav makromolekulární chemie AV ČR, v.v.i., 2014, p. 59-60. ISBN 978-80-85009-81-1.
- AFG49 SVITÁLKOVÁ, Zuzana - MYDLOVÁ, Lenka - BERTHOVÁ, Lenka - KOCIANOVÁ, Elena - SLOVÁK, Mirko - KAZIMÍROVÁ, Mária. Molecular detection of tick-borne pathogens in rodents and rodent-attached ticks in SW Slovakia. In *Joint 8th International Ticks and Tick-borne Pathogens (TTP-8) and 12th Biennial Society for Tropical Veterinary Medicine (STVM) Conference : Poster Abstracts*. - Cape Town, South Africa, 2014, p. 87.
- AFG50 SVITÁLKOVÁ, Zuzana - MOJŠOVÁ, Michala - MYDLOVÁ, Lenka - BERTHOVÁ, Lenka - SLOVÁK, Mirko - KOCIANOVÁ, Elena - KAZIMÍROVÁ, Mária. Prevalence of *Candidatus Neorhlichia mikurensis* in questing ticks and rodents in Southwestern Slovakia. In *Joint 8th International Ticks and Tick-borne Pathogens (TTP-8) and 12th Biennial Society for Tropical Veterinary Medicine (STVM) Conference : Poster Abstracts*. - Cape Town, South Africa, 2014, p. 91.
- AFG51 SVITÁLKOVÁ, Zuzana - MYDLOVÁ, Lenka - SLOVÁK, Mirko - KOCIANOVÁ, Elena - KAZIMÍROVÁ, Mária. Three-years study of *Babesia* sp. and *Anaplasma phagocytophilum* in questing ticks in Southwestern Slovakia. In *Joint 8th International Ticks and Tick-borne Pathogens (TTP-8) and 12th Biennial Society for Tropical Veterinary Medicine (STVM) Conference : Poster Abstracts*. - Cape Town, South Africa, 2014, p. 86.
- AFG52 ŠIMKO, Veronika - DITTE, Zuzana - DITTE, Peter - LABUDOVÁ, Martina - JULIANO, Filippo - ZAŤOVIČOVÁ, Miriam - CSÁDEROVÁ, Lucia - KOPÁČEK, Juraj - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír. Carnosine as a potent inhibitor of the carbonic anhydrase IX-mediated extracellular acidosis. In *The 3rd International Conference on Tumor Microenvironment and Cellular Stress: Signaling, Metabolism, Imaging and Therapeutic Targets*. - Mykonos, Greece, 2014, p. 104 - 105.
- AFG53 ŠKORVANOVÁ, Lucia - LACHOVÁ, Veronika - ŠVANČAROVÁ, Petra - SVETLÍKOVÁ, Darina - BETÁKOVÁ, Tatiana. Antivírusová aktivita interferónov lambda voči vírusu typu A. In *Tomáškovy dny 2014 : XXIII. konference mladých mikrobiológů*. - Brno : Masarykova univerzita, 2014, p. 79. ISBN 978-80-210-6805-6.
- AFG54 ŠKULTÉTY, Ľudovít - FLORES - RAMÍREZ, Gabriela - TOMAN, Rudolf - VADOVIČ, Pavol - DANCHENKO, Maksym - HAVLÍČEK, V. Biomarkers associated with virulence and pathogenesis of *Coxiella burnetii*. In *Book of Abstracts 3rd Annual Conference of the Czech Society for Mass Spectrometry*. - Hradec Králové, 2013, p. Th0 - 005.

Nebolo vo VS 2013

AFG55 ŠPITÁLSKA, Eva - MYDLOVÁ, Lenka - SVITÁLKOVÁ, Zuzana - KOČIANOVÁ, Elena - KAZIMÍROVÁ, Mária - BERTHOVÁ, Lenka. Rickettsia spp. in ticks, rodents and free-ranging ungulates in natural habitats of Southwestern Slovakia. In *Joint 8th International Ticks and Tick-borne Pathogens (TTP-8) and 12th Biennial Society for Tropical Veterinary Medicine (STVM) Conference : Poster Abstracts*. - Cape Town, South Africa, 2014, p. 24.

AFG56 ŠPITÁLSKA, Eva - ŠVEHLOVÁ, A. - SPARAGANO, O. Sympatric occurrence of Ixodes ricinus , Dermacentor reticulatus and Harmaphysalis concinna ticks and their pathogens Rickettsia and Babesia species in Slovakia. In *Joint 8th International Ticks and Tick-borne Pathogens (TTP-8) and 12th Biennial Society for Tropical Veterinary Medicine (STVM) Conference : Poster Abstracts*. - Cape Town, South Africa, 2014, p. 66.

AFG57 ŠTIBRÁNIOVÁ, Iveta - SLOVÁK, Mirko - KAZIMÍROVÁ, Mária. Av-PDI Protein, a Candidate for Anti-Tick Vaccine? : výveska. In *Scientific Programme: Workshop on Ticks and Tick-Borne Diseases, 2014 Berlin*, p. 66.

AFG58 ŠTIBRÁNIOVÁ, Iveta - SLOVÁK, Mirko - KAZIMÍROVÁ, Mária. Effects of immunization with the tick-derived AvPDI protein on feeding and metamorphosis of different tick species and transmission of Borrelia afzelii by Ixodes ricinus. In *Joint 8th International Ticks and Tick-borne Pathogens (TTP-8) and 12th Biennial Society for Tropical Veterinary Medicine (STVM) Conference : Poster Abstracts*. - Cape Town, South Africa, 2014, p. 134.

AFG59 ŠTIBRÁNIOVÁ, Iveta - BARTÍKOVÁ, Pavlína - SLOVÁK, Mirko - HOLÍKOVÁ, Viera - KAZIMÍROVÁ, Mária - HAJNICKÁ, Valéria. Long mouthparts ticks versus short mouthparts ticks in anti-growth factors activities. In *Joint 8th International Ticks and Tick-borne Pathogens (TTP-8) and 12th Biennial Society for Tropical Veterinary Medicine (STVM) Conference : Poster Abstracts*. - Cape Town, South Africa, 2014, p. 132.

AFG60 ŠVASTOVÁ, Eliška - CSÁDEROVÁ, Lucia - DEBREOVÁ, Michaela - RADVÁK, Peter - STANO, M. - VREŠTIAKOVÁ, Magdaléna - PASTOREKOVÁ, Silvia - KOPÁČEK, Juraj. Beyond pH regulation : A role of CA IX in focal adhesion during cell spreading and migration. In *The 3rd International Conference on Tumor Microenvironment and Cellular Stress: Signaling, Metabolism, Imaging and Therapeutic Targets*. - Mykonos, Greece, 2014, p. 70.

AFG61 ŠVASTOVÁ, Eliška - CSÁDEROVÁ, Lucia - DEBREOVÁ, Michaela - RADVÁK, Peter - KOPÁČEK, Juraj - PASTOREK, Jaromír - PASTOREKOVÁ, Silvia. Úloha hypoxiou regulovanej karbonickej anhydrázy IX v bunkovej migrácii a adhézii. In *Československá biologická spoločnosť. Sborník přednášek a posteru, program : XXI. Biologické dny. Pokroky a výzvy současné nádorové biologie*. - Brno : Venice s.r.o., 2014, p. 27. ISBN 978-80-260-6793-1.

AFG62 TAKÁČOVÁ, Martina - BULLOVÁ, Petra - ŠIMKO, Veronika - BABÁL, P. - KOPÁČEK, Juraj - PASTOREK, Jaromír - PARKKILA, S. - PASTOREKOVÁ, Silvia. Expression pattern of carbonic anhydrase IX medullary thyroid carcinoma supports a role for RET- mediated activation of HIV pathway. In *The 3rd International Conference on Tumor Microenvironment and Cellular Stress: Signaling, Metabolism, Imaging and Therapeutic Targets*. - Mykonos, Greece, 2014, p. 102 - 103.

AFG63 TAKÁČOVÁ, Martina - BULLOVÁ, Petra - ŠIMKO, Veronika - ŠKVARKOVÁ, Lucia - POTURNAJOVÁ, Martina - BABÁL, Pavel - PARKKILA, S. - PASTOREKOVÁ, Silvia. Interplay between retand HIF-1 contributes to CA IX expression in medullary Thyroid carcinoma. In *Československá biologická spoločnosť. Sborník přednášek a posteru, program : XXI. Biologické dny. Pokroky a výzvy současné nádorové biologie*. - Brno : Venice s.r.o., 2014, p. 90. ISBN 978-80-260-6793-1.

- AFG64 TAKÁČOVÁ, Martina - HLOUSKOVÁ, Gabriela - ZAŤOVIČOVÁ, Miriam - SEDLÁKOVÁ, Oľga - KOPÁČEK, Juraj - PASTOREK, Jaromír - PASTOREKOVÁ, Silvia - LACÍK, I. Microencapsulation of anti-carbonic anhydrase IX antibody for tumor targeting. In Československá biologická spoločnosť. *Sborník přednášek a posteru, program : XXI. Biologické dny. Pokroky a výzvy súčasnej nádorovej biológie*. - Brno : Venice s.r.o., 2014, p. 91. ISBN 978-80-260-6793-1.
- AFG65 TKACHENKO, E.A. - WITKOWSKI, P.T. - RADOSA, Lukáš - DZAGUROVA, T.K. - OKULOVA, N.M. - YUNICHEVA, Y.V. - VASILENKO, L. - MOROZOV, V.G. - MALKIN, G.A. - KRÜGER, D.H. - KLEMPA, Boris. Adler hantavirus, a new genetic variant of Tula virus identified in Major's pine voles (*Microtus majori*) sampled in southern European Russia. In 4. *Workshop des Netzwerks Nagetier-übertragene Pathogene - Book of Abstracts*. - Leipzig, 2014, p. 14.
- AFG66 TOMAN, Rudolf - FRIMMELOVÁ, Martina. Recent developments in the structural and functional investigations of a lipopolysaccharide from *Coxiella burnetii*, the causative agent of Q fever. In *Frontiers in Immunology 2014 - International Conference : Book of abstracts*. - Florence, 2014, p. 161.
- AFG67 TOMÁŠKOVÁ, Jana - OVEČKOVÁ, Ingrid - ZAŤOVIČOVÁ, Miriam - LAPOŠOVÁ, Katarína - POLČICOVÁ, Katarína - LUKÁČIKOVÁ, Ľubomíra - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír. Impact of LCMV infection on the activity of HIF-regulated signal transduction pathways. In *IUMS 2014, Montreal, Canada : International Union of Microbiological Societies, Congresses • July 27 – August 1, 2014*. p. 1043. - Montreal, Canada, 2014.
- AFG68 UVÁČKOVÁ, Ľubica - ŠKULTÉTY, Ľudovít - BEKEŠOVÁ, Slávka - MCCLAIN, S. - HAJDUCH, Martin. The MSE-proteomic analysis of gliadins and glutenins in wheat grain identified and quantified allergen proteins. In *1 st INPPO World Congress on Plant Proteomics: Methodology to Biology*. : 31. 8. - 4. 9. 2014. - Hamburg : Hosted by the University of Hamburg, 2014, p. 76.
- AFG69 VIDLIČKOVÁ, Ivana - ZAŤOVIČOVÁ, Miriam - CSÁDEROVÁ, Lucia - RADVÁNSZKA, Monika - VREŠTIAKOVÁ, Magdaléna - STUHLÍK, Stanislav - PASTOREK, Jaromír - PASTOREKOVÁ, Silvia. Shedding of carbonic anhydrase IX ectodomain affects tumor cell phenotype. In Československá biologická spoločnosť. *Sborník přednášek a posteru, program : XXI. Biologické dny. Pokroky a výzvy súčasnej nádorovej biológie*. - Brno : Venice s.r.o., 2014, p. 97. ISBN 978-80-260-6793-1.
- AFG70 VOZÁROVÁ, Zuzana - ŠUBR, Zdeno W.. Štúdium interakcií proteínu P1 vírusu šárky slivky s proteómom hostiteľskej rastliny s využitím dvojhybridného systému. In *Bulletin České společnosti experimentální biologie rostlin 2014, 6. Metodické dny, sborník abstrakt*. - Jezerka Seč, 2014, p. 125. ISSN 1213-6670.
- AFG71 KOVAĽOVÁ, A. - ŠPITÁLSKA, Eva - SLOVÁK, Mirko - MATÚŠKOVÁ, Radka - KÚDELOVÁ, Marcela. The incidence of Murine herpesvirus 68 in wild ticks *Dermacentor reticulatus* and sympatric ticks *Ixodes ricinus* and *Haemaphysalis concinna* in Slovakia. In *Tomáškovy dny 2014 : XXIII. konference mladých mikrobiológů*. - Brno : Masarykova univerzita, 2014, p. 82. ISBN 978-80-210-6805-6.
- AFG72 WÁGNEROVÁ, M. - ANČICOVÁ, L. - CHALUPKOVÁ, A. - HRABOVSKÁ, Z. - VAREČKOVÁ, Eva - MISTRÍKOVÁ, Jela. obojstranne prospešná koinfekcia gama-herpesvírusom a vírusom chrípky? In *Tomáškovy dny 2014 : XXIII. konference mladých mikrobiológů*. - Brno : Masarykova univerzita, 2014, p. 84. ISBN 978-80-210-6805-6.
- AFG73 WITKOWSKI, P.T. - DREXLER, J.F. - KALLIES, R. - BOKOROVÁ, S. - SZEMES, T. - LIČKOVÁ, Martina - LEROY, M. - DROSTEN, Ch. - KRUGER, D.H. - KLEMPA, Boris. Bats as hantavirus hosts in Africa. In *24th Annual Meeting of the Society for Virology. ABSTRACT BAND* [elektronický zdroj]. - Tyrol, 2014, p. 97. Názov z titulnej obrazovky. Požaduje sa Acrobat Reader.
- AFG74 WITKOWSKI, P.T. - DREXLER, J.F. - KALLIES, R. - SZEMES, T. - LIČKOVÁ, Martina - LEROY, E.M. - DROSTEN, C. - KRÜGER, D.H. - KLEMPA, Boris. Bats as hantavirus reservoir in Africa. In *Joint Conference:*

German Symposium on Zoonoses Research 2014 and 7th International Conference on Emerging Zoonoses.. - Berlin, 2014, p. 215.

AFG75 WITKOWSKI, P.T. - KALLIES, R. - AUSTE, B. - MFUNE, J.K.E. - HOVEKA, J. - KLEMPA, Boris - KRÜGER, D.H. Two novel Arenaviruses distinct from Lassa virus isolated in Namibia. In *24th Annual Meeting of the Society for Virology. ABSTRACT BAND* [elektronický zdroj]. - Tyrol, 2014, p. 92. Názov z CD ROM.

AFG76 ZAŤOVIČOVÁ, Miriam - VREŠTIAKOVÁ, Magdaléna - CSÁDEROVÁ, Lucia - VIDLIČKOVÁ, Ivana - MIŠKOVSKÁ, V. - SVETLOVSKÁ, D. - MARDIAK, Jozef - MEGO, Michal - PASTOREK, Jaromír - PASTOREKOVÁ, Silvia. Circulation CA IX ectodomain in plasma/serum of cancer patients - potential screening and prognostic marker detected by novel rapid Elisa. In Československá biologická spoločnosť. *Sborník přednášek a posteru, program : XXI. Biologické dny. Pokroky a výzvy súčasnej nádorovej biológie*. - Brno : Venice s.r.o., 2014, p. 99. ISBN 978-80-260-6793-1.

AFG Abstrakty príspevkov zo zahraničných konferencií bez afiliácie SAVVIR

Počet záznamov: 2

2014

1.

DERDÁKOVÁ, Markéta - SELYEMOVÁ, Diana - VÁCLAV, Radovan - CHVOSTÁČ, Michal - KOLENČÍK, S. - CABADAJOVÁ, K. - ONDRIŠKOVÁ, Elena - VACULOVÁ, T. - RUSŇÁKOVÁ - TARAGEL'OVÁ, Veronika. Ecology and genetic structure of *Borrelia burgdorferi* s.l. in diverse habitats of Slovakia. In *Joint Conference: German Symposium on Zoonoses Research 2014 and 7th International Conference on Emerging Zoonoses : Berlin, Germany, October 16-17, 2014. program*. - Berlin : German Research Platform for Zoonoses, 2014, s.207-208.

2.

MARKOVÁ, Jana - HUDECOVÁ, Soňa - ŠOLTÝSOVÁ, Andrea - ŠÍROVÁ, Marta - CSÁDEROVÁ, Lucia - LENČEŠOVÁ, Ľubomíra - ONDRIAŠ, Karol - KRIŽANOVÁ, Oľga. Sodium/calcium exchanger is upregulated by sulfide signaling, forms complex with the beta1 and beta3 but not beta2 adrenergic receptors. In *Thirteenth International Meeting of the European Calcium Society : Aix-en-Provence, France-September 13-17*. - Aix-en-Provence, 2014, p. 53.

2013

Počet záznamov: 1

1.

MADIREDDI, S. - EUN, S.Y. - MEHTA, A. - NEMČOVIČOVÁ, Ivana - LEE, S.W. - ZAJONC, D.M. - NIKI, T. - HIRASHIMA, M. - CROFT, M. Galectin -9 controls the activity of 4-1BB (CD137). In *AAI Annual Meeting- IMMUNOLOGY 2013- Book of abstracts*. - Hawaii, 2013, p. 21.

AFHA Abstrakty príspevkov z medzinárodných vedeckých konferencií poriadaných v SR

Počet záznamov: 27

AFHA01 BARÁTOVÁ, Magdaléna - CSÁDEROVÁ, Lucia - PASTOREK, Jaromír - PASTOREKOVÁ, Silvia. Possible impact of glycosylation on biological functions of the tumor related carbonic anhydrase IX. In *1st ISCAM Meeting - 5th ISPDC Meeting - Cancer metabolism: mechanisms, consequences and therapeutic opportunities, Smolenice castle near Bratislava, Slovakia : PROGRAM AND ABSTRACTS*. - Bratislava : Institute of Virology - Department of Molecular Medicine, Slovak Academy of Sciences, 2014, p. 74 - 75.

AFHA02 BENEJ, Martin - DANCHENKO, Maksym - TOMÁŠKOVÁ, Jana. Analysis of cellular proteome alterations in LCMV-infected HeLa cell line. In XXIV. *Biochemický zjazd Slovenskej spoločnosti pre biochémiu a molekulárnu biológiu a České spoločnosti pro biochemii a molekulární biologii : zborník prednášok a posterov SSBMB a ČSBMB 2014 . Program. Bratislava, 18. - 21. septembra 2014, Hotel Saffron. - Bratislava, 2014, p.113. ISBN 978-80-970164-6-3.*

AFHA03 BENEJ, Martin - ŠVASTOVÁ, Eliška - REPIČ, Marko - VULIČ, R. - VITALE, M. - ZAMBRANO, N. - SCALONI, A. - KOPÁČEK, Juraj - PASTOREKOVÁ, Silvia. Lactate dehydrogenase and carbonic anhydrase IX: a sweet and sour relationship revealed by proteomic profiling. In *1st ISCAM Meeting - 5th ISPDC Meeting - Cancer metabolism: mechanisms, consequences and therapeutic opportunities, Smolenice castle near Bratislava, Slovakia : PROGRAM AND ABSTRACTS. - Bratislava : Institute of Virology - Department of Molecular Medicine, Slovak Academy of Sciences, 2014, p. 76 - 77.*

AFHA04 BERTHOVÁ, Lenka - ŠPITÁLSKA, Eva - MYDLOVÁ, Lenka - SVITÁLKOVÁ, Zuzana - KAZIMÍROVÁ, Mária. Are rodents reservoirs of spotted fever group rickettsiae? In *V4 Parasitological Meeting - Book of abstracts. 25-30 May 2014, Stará Lesná, The High Tatras, Slovakia : Parasites in the heart of Europe. - Košice : Slovak Society for Parasitology at SAS, 2014, p. 64 - 65. ISBN 978-80-968473-7-2.*

AFHA05 BERTHOVÁ, Lenka - VALÁRIKOVÁ, Jana - QUEVEDO-DIAZ, Marco - ŠPITÁLSKA, Eva. Detection of Rickettsia Spp. in ticks and hosts from central part of Slovakia. In *V4 Parasitological Meeting - Book of abstracts. 25-30 May 2014, Stará Lesná, The High Tatras, Slovakia : Parasites in the heart of Europe. - Košice : Slovak Society for Parasitology at SAS, 2014, p. 63 - 64. ISBN 978-80-968473-7-2.*

AFHA06 DEBŘEOVÁ, Michaela - CSÁDEROVÁ, Lucia - BARÁTOVÁ, Magdaléna - KOPÁČEK, Juraj - PASTOREKOVÁ, Silvia - ŠVASTOVÁ, Eliška. Cancer-related carbonic anhydrase IX promotes focal adhesion formation and remodeling during cell spreading and migration. In *1st ISCAM Meeting - 5th ISPDC Meeting - Cancer metabolism: mechanisms, consequences and therapeutic opportunities, Smolenice castle near Bratislava, Slovakia : PROGRAM AND ABSTRACTS. - Bratislava : Institute of Virology - Department of Molecular Medicine, Slovak Academy of Sciences, 2014, p. 82 - 83.*

AFHA07 DERDÁKOVÁ, Markéta - RUSŇÁKOVÁ - TARAGĽOVÁ, Veronika - VÁCLAV, Radovan - CHVOSTÁČ, Michal - KOLENČÍK, S. - CABADAJOVÁ, K. - ONDRISKOVÁ, Elena - VACULOVÁ, T. - SELYEMOVÁ, Diana - PEŤKO, Branislav. Eco-epidemiology of Lyme borreliosis in diverse habitats of Slovakia. : Session VI. Vectors and vector-borne diseases. In *V4 Parasitological Meeting - Book of abstracts. 25-30 May 2014, Stará Lesná, The High Tatras, Slovakia : Parasites in the heart of Europe. - Košice : Slovak Society for Parasitology at SAS, 2014, p. 34. ISBN 978-80-968473-7-2. Dostupné na internete: <<http://www.saske.sk/pau/parav4/images/program-def.pdf>>.*

AFHA08 GIBADULINOVÁ, Adriana - FILIPČÍK, Peter - BEKEŠOVÁ, Slávka - PASTOREKOVÁ, Silvia. Proteomic identification of new possible interacting partners of cancer related protein S100P. In XXIV. *Biochemický zjazd Slovenskej spoločnosti pre biochémiu a molekulárnu biológiu a České spoločnosti pro biochemii a molekulární biologii : zborník prednášok a posterov SSBMB a ČSBMB 2014 . Program. Bratislava, 18. - 21. septembra 2014, Hotel Saffron. - Bratislava, 2014, p. 029. ISBN 978-80-970164-6-3.*

AFHA09 GROLMUSOVÁ, A. - LABUDOVÁ, Martina - ŠULOVÁ, Z. - PAULÍKOVÁ, H. Nový typ senzibilizátora účinný aj na rezistentné bunky. In XXIV. *Biochemický zjazd Slovenskej spoločnosti pre biochémiu a molekulárnu biológiu a České spoločnosti pro biochemii a molekulární biologii : zborník prednášok a posterov SSBMB a ČSBMB 2014 . Program. Bratislava, 18. - 21. septembra 2014, Hotel Saffron. - Bratislava, 2014, p.142. ISBN 978-80-970164-6-3.*

AFHA10 CHVOSTÁČ, Michal - BERTHOVÁ, Lenka - DERDÁKOVÁ, Markéta. Influence and local biodiversity on the ecology of *Borrelia burgdorferi* sensu lato and *Anaplasma phagocytophilum*. In *V4 Parasitological Meeting - Book of abstracts. 25-30 May 2014, Stará Lesná, The High Tatras, Slovakia :*

Parasites in the heart of Europe. - Košice : Slovak Society for Parasitology at SAS, 2014, p.79. ISBN 978-80-968473-7-2. Vega č. 2/0055/11.

AFHA11 KAZIMÍROVÁ, Mária - MYDLOVÁ, Lenka - SVITÁLKOVÁ, Zuzana - KOCIANOVÁ, Elena - SLOVÁK, Mirko - MOŠANSKÝ, Ladislav - KRALJIK, Jasna - STANKO, Michal. Prevalence of *Borrelia burgdorferi* s.l. in *Ixodes ricinus* ticks in different habitat types of Slovakia. In *V4 Parasitological Meeting - Book of abstracts. 25-30 May 2014, Stará Lesná, The High Tatras, Slovakia : Parasites in the heart of Europe*. - Košice : Slovak Society for Parasitology at SAS, 2014, p.86-87. ISBN 978-80-968473-7-2.

AFHA12 KÉRY, Martin - ONDRISKOVÁ, Elena - RADVÁK, Peter - TAKÁČOVÁ, Martina - ŠVASTOVÁ, Eliška - PASTOREKOVÁ, Silvia - KOPÁČEK, Juraj. Involvement of carbonic anhydrase IX in intracellular signaling pathway. In *1st ISCAM Meeting - 5th ISPDC Meeting - Cancer metabolism: mechanisms, consequences and therapeutic opportunities, Smolenice castle near Bratislava, Slovakia : PROGRAM AND ABSTRACTS*. - Bratislava : Institute of Virology - Department of Molecular Medicine, Slovak Academy of Sciences, 2014, p. 88 - 89.

AFHA13 KÉRY, Martin - ONDRISKOVÁ, Elena - TAKÁČOVÁ, Martina - ŠVASTOVÁ, Eliška - PASTOREKOVÁ, Silvia - KOPÁČEK, Juraj. Signaling pathways affected by the presence of carbonic anhydrase IX. In *XXIV. Biochemický zjazd Slovenskej spoločnosti pre biochémiu a molekulárnu biológiu a České spoločnosti pro biochemii a molekulární biologii : zborník prednášok a posterov SSBMB a ČSBMB 2014 . Program. Bratislava, 18. - 21. septembra 2014, Hotel Saffron*. - Bratislava, 2014, p. 162. ISBN 978-80-970164-6-3.

AFHA14 KOCIANOVÁ, Elena - ŠPITÁLSKA, Eva - BERTHOVÁ, Lenka - SVITÁLKOVÁ, Zuzana - MYDLOVÁ, Lenka - KAZIMÍROVÁ, Mária. Game as hosts of Ixodid ticks and tick-borne agents in Malé Karpaty MTS (South - Western Slovakia). In *V4 Parasitological Meeting - Book of abstracts. 25-30 May 2014, Stará Lesná, The High Tatras, Slovakia : Parasites in the heart of Europe*. - Košice : Slovak Society for Parasitology at SAS, 2014, p. 87. ISBN 978-80-968473-7-2.

AFHA15 LUKÁČIKOVÁ, Ľubomíra - OVEČKOVÁ, Ingrid - BETÁKOVÁ, Tatiana - LAPOŠOVÁ, Katarína - POLČICOVÁ, Katarína - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - TOMÁŠKOVÁ, Jana. Vplyv LCMV infekcie na expresiu unikátnej podjednotky receptora pre IFN-lambda. In *XXIV. Biochemický zjazd Slovenskej spoločnosti pre biochémiu a molekulárnu biológiu a České spoločnosti pro biochemii a molekulární biologii : zborník prednášok a posterov SSBMB a ČSBMB 2014 . Program. Bratislava, 18. - 21. septembra 2014, Hotel Saffron*. - Bratislava, 2014, p. 183. ISBN 978-80-970164-6-3.

AFHA16 NEMČOVIČOVÁ, Ivana - NEMČOVIČ, Marek - KÚDELOVÁ, Marcela. Revealed binding mechanism of cytomegalovirus immune modulator UL141 highlights its versatility for NK cell function inhibition. In *XXIV. Biochemický zjazd Slovenskej spoločnosti pre biochémiu a molekulárnu biológiu a České spoločnosti pro biochemii a molekulární biologii : zborník prednášok a posterov SSBMB a ČSBMB 2014 . Program. Bratislava, 18. - 21. septembra 2014, Hotel Saffron*. - Bratislava, 2014, p. 197 - 198. ISBN 978-80-970164-6-3.

AFHA17 ONDRISKOVÁ, Elena - SEDLÁKOVÁ, Oľga - KOPÁČEK, Juraj - ŠVASTOVÁ, Eliška - PASTOREKOVÁ, Silvia. The effect of sodium lactate on CA IX expression. In *1st ISCAM Meeting - 5th ISPDC Meeting - Cancer metabolism: mechanisms, consequences and therapeutic opportunities, Smolenice castle near Bratislava, Slovakia : PROGRAM AND ABSTRACTS*. - Bratislava : Institute of Virology - Department of Molecular Medicine, Slovak Academy of Sciences, 2014, p. 92 - 93.

AFHA18 PREDAJŇA, Lukáš - KÚDELA, Otakar - NAGYOVÁ, Alžbeta - GLASA, Miroslav. Grapevine Pinot Gris virus, a recently identified Grapevine pathogen, is frequently spread in Slovakia. In *Zborník abstraktov z 21. medzinárodnej vedeckej konferencie : Nové poznatky z genetiky a šľachtenia poľnohospodárskych rastlín. Téma konferencie : "Zdravé a kvalitné primárne zdroje pre rastlinnú a živočíšnu výrobu"*.. - Piešťany : Národné poľnohospodárske a potravinárske centrum, 2014, s. 39. ISBN 978-80-89417-56-8.

- AFHA19 PREDAJŇA, Lukáš - BENEDIKOVÁ, D. - GLASA, Miroslav. Identifikácia a molekulárna charakterizácia Littele Cherry virus -1 na čerešniach na Slovensku. In *Zborník abstraktov z 21. medzinárodnej vedeckej konferencie : Nové poznatky z genetiky a šľachtenia poľnohospodárskych rastlín. Téma konferencie : "Zdravé a kvalitné primárne zdroje pre rastlinnú a živočíšnu výrobu"*. - Piešťany : Národné poľnohospodárske a potravinárske centrum, 2014, s. 40. ISBN 978-80-89417-56-8.
- AFHA20 SEDLÁKOVÁ, Oľga - VIDLIČKOVÁ, Ivana - PASTOREKOVÁ, Silvia - ZAŤOVIČOVÁ, Miriam. Effect of extracellular acidosis on expression of metalloproteinases and shedding of CA IX. In *1st ISCAM Meeting - 5th ISPDC Meeting - Cancer metabolism: mechanisms, consequences and therapeutic opportunities, Smolenice castle near Bratislava, Slovakia : PROGRAM AND ABSTRACTS*. - Bratislava : Institute of Virology - Department of Molecular Medicine, Slovak Academy of Sciences, 2014, p. 116 - 117.
- AFHA21 SVITÁLKOVÁ, Zuzana - MYDLOVÁ, Lenka - BERTHOVÁ, Lenka - KOCIANOVÁ, Elena - SLOVÁK, Mirko - KAZIMÍROVÁ, Mária. Circulation of Babesia spp. between ticks and rodents in SW Slovakia. In *V4 Parasitological Meeting - Book of abstracts. 25-30 May 2014, Stará Lesná, The High Tatras, Slovakia : Parasites in the heart of Europe*. - Košice : Slovak Society for Parasitology at SAS, 2014, p. 121. ISBN 978-80-968473-7-2.
- AFHA22 ŠEVČÍKOVÁ, A. - ŠIMKO, Veronika - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - LABUDOVÁ, Martina. Lymphocytic choriomeningitis virus infection affects the carbonic anhydrase 9 expression through the HIF-1alpha signalisation pathway in renal carcinoma cell line. In *XXIV. Biochemický zjazd Slovenskej spoločnosti pre biochémiu a molekulárnu biológiu a České spoločnosti pro biochemii a molekulární biologii : zborník prednášok a posterov SSBMB a ČSBMB 2014 . Program. Bratislava, 18. - 21. septembra 2014, Hotel Saffron*. - Bratislava, 2014, p.182. ISBN 978-80-970164-6-3.
- AFHA23 ŠIMKO, Veronika - CSÁDEROVÁ, Lucia - PASTOREK, Jaromír. Hypoxia-mediated regulation of cAMP: a molecule responsible in the activation of the tumor associated carbonic anhydrase IX. In *XXIV. Biochemický zjazd Slovenskej spoločnosti pre biochémiu a molekulárnu biológiu a České spoločnosti pro biochemii a molekulární biologii : zborník prednášok a posterov SSBMB a ČSBMB 2014 . Program. Bratislava, 18. - 21. septembra 2014, Hotel Saffron*. - Bratislava, 2014, p. 094. ISBN 978-80-970164-6-3.
- AFHA24 ŠPITÁLSKA, Eva - BERTHOVÁ, Lenka - SALLAY, Balazs - KRALJIK, J. Genetic characterization of Ixodes ricinus, Dermacentor reticulatus, Haemaphysalis inermis using 12S rRNA. In *V4 Parasitological Meeting - Book of abstracts. 25-30 May 2014, Stará Lesná, The High Tatras, Slovakia : Parasites in the heart of Europe*. - Košice : Slovak Society for Parasitology at SAS, 2014, p. 126 - 127. ISBN 978-80-968473-7-2. Vega č. 2/0061/13, SRDA -0280-18.
- AFHA25 ŠPITÁLSKA, Eva - BERTHOVÁ, Lenka - KOCIANOVÁ, Elena - MYDLOVÁ, Lenka - SVITÁLKOVÁ, Zuzana - SLOVÁK, Mirko - KAZIMÍROVÁ, Mária - MOŠANSKÝ, L. - KRALJIK, J. - STANKO, Michal. Rickettsia spp. circulating in questing Ixodes ricinus ticks in Slovakia. In *V4 Parasitological Meeting - Book of abstracts. 25-30 May 2014, Stará Lesná, The High Tatras, Slovakia : Parasites in the heart of Europe*. - Košice : Slovak Society for Parasitology at SAS, 2014, p. 127 - 128. ISBN 978-80-968473-7-2. EDENext 261504, APVV DO7RP0014-11,
- AFHA26 TAKÁČOVÁ, Martina - BULLOVÁ, Petra - ŠIMKO, Veronika - ŠKVARKOVÁ, Lucia - POTURNAJOVÁ, Martina - FEKETOVÁ, L. - BABÁL, P. - KIVELA, A.J. - KUOPIO, T. - KOPÁČEK, Juraj - PASTOREK, Jaromír - PARKKILA, S. - PASTOREKOVÁ, Silvia. RET mediated activation of HIF pathway contributes to CA IX expression in medullary thyroid carcinoma. In *1st ISCAM Meeting - 5th ISPDC Meeting - Cancer metabolism: mechanisms, consequences and therapeutic opportunities, Smolenice castle near Bratislava, Slovakia : PROGRAM AND ABSTRACTS*. - Bratislava : Institute of Virology - Department of Molecular Medicine, Slovak Academy of Sciences, 2014, p. 110 - 111.
- AFHA27 VIDLIČKOVÁ, Ivana - ZAŤOVIČOVÁ, Miriam - CSÁDEROVÁ, Lucia - RADVÁNSZKA, Monika - BARÁTOVÁ, Magdaléna - STUHLÍK, S. - PASTOREK, Jaromír - PASTOREKOVÁ, Silvia. The relevance of the

carbonic anhydrase IX shedding for prometastatic potential of tumor cells. In *1st ISCAM Meeting - 5th ISPDC Meeting - Cancer metabolism: mechanisms, consequences and therapeutic opportunities, Smolenice castle near Bratislava, Slovakia : PROGRAM AND ABSTRACTS*. - Bratislava : Institute of Virology - Department of Molecular Medicine, Slovak Academy of Sciences, 2014, p. 114 - 115.

AFHB Abstrakty príspevkov z domácich konferencií

Počet záznamov: 6

AFHB01 BENEJ, Martin - ŠVASTOVÁ, Eliška - REPIČ, M. - VULIČ, R. - VITALE, M. - ZAMBRANO, N. - SCALONI, A. - KOPÁČEK, Juraj - PASTOREKOVÁ, Silvia. Karbonická anhydráza IX a glykolytický nádorový metabolizmus. In *Interaktívna konferencia Mladých vedcov 2014 - Zborník abstraktov*. - Bratislava : Občianske združenie PREVEDA, 2014, č.abstraktu 1052. ISBN 978-80-970712-6-4.

AFHB02 BUDINCOVÁ, K. - ČAMBÁL, M. - TAKÁČOVÁ, Martina. Štúdium nádorového biomarkera karbonickej anhydrázy IX v kolorektálnych nádoroch. In *Zborník prác z Medzinárodnej študentskej vedeckej konferencie: Aplikované prírodné vedy*. - Trnava : Univerzita Sv.Cyrila a Metoda, 2014, s. 74. ISBN 978-80-8105-565-2.

AFHB03 CHVOSTÁČ, Michal - BERTHOVÁ, Lenka - DERDÁKOVÁ, Markéta. Vplyv hostiteľského spektra kliešťov na prevalenciu *Borrelia burgdorferi* sensu lato a *Anaplasma phagocytophilum* v urbánnom ohnisku. : sekcia: Cellular metabolism, physiology, molecular biology and genetics. In *Interaktívna konferencia Mladých vedcov 2014 - Zborník abstraktov*. - Bratislava : Občianske združenie PREVEDA, 2014, abstrakt 1129. ISBN 978-80-970712-6-4. Dostupné na internete: <<http://abstracts.preveda.sk/?abstract=1129>>.

AFHB04 KOCIANOVÁ, Elena - AVDIČOVÁ, M. - SEKEYOVÁ, Zuzana. NRC pre rickettsiázy, plány a ciele. In Slovenská epidemiologická a vakcinologická spoločnosť SLS. *Program a Zborník Abstraktov XI. Vedecko-odbornej konferencie národných referenčných centier pre surveillance infekčných chorôb v SR*. - Bratislava : Ministerstvo zdravotníctva SR, 2014, s. 26.

AFHB05 KOTLÁROVÁ, Lucia - HOLLÝ, Jaroslav - FODOR, Ervín - VAREČKOVÁ, Eva. Reverzná genetika - nástroj na predikáciu pandemického potenciálu vírusov chrípky. In Slovenská epidemiologická a vakcinologická spoločnosť SLS. *Program a Zborník Abstraktov XI. Vedecko-odbornej konferencie národných referenčných centier pre surveillance infekčných chorôb v SR*. - Bratislava : Ministerstvo zdravotníctva SR, 2014, s. 30.

AFHB06 LOPUŠNÁ, K. - KABÁT, Peter - REŽUCHOVÁ, Ingeborg. Interferon lambda induces antiviral response to HSV-1 in epithelial cells. In *Interaktívna konferencia Mladých vedcov 2014 - Zborník abstraktov*. - Bratislava : Občianske združenie PREVEDA, 2014, č. abstraktu 1081. ISBN 978-80-970712-6-4.

BDFB Odborné práce v domácich nekontrovaných časopisoch neimpaktovaných

Počet záznamov: 2

BDFB01 GLASA, Miroslav. Výskum rastlinných vírusov je behom na dlhé trate. In *Sady a vinice*, 2014, č. 5-6, s. 28-29. ISSN 1336-7684.

BDFB02 TURIANOVÁ, Lucia - LOPUŠNÁ, K. - STANKOVIČ, I. - GREGUŠ, Michal - KABÁT, Peter - REŽUCHOVÁ, Ingeborg. Neuropatogénne vírusy: Klinická neurologická manifestácia, profylaxia a liečba. In *Neurológia*, 2014, roč. 9, č. 1, s. 32-37. ISSN 1336-8621.

FAI Redakčné a zostavovateľské práce knižného charakteru (bibliografie, encyklopédie, katalógy, slovníky, zborníky...)

Počet záznamov: 2

FAI01 *1st ISCAM Meeting - 5th ISPDC Meeting - Cancer metabolism: mechanisms, consequences and therapeutic opportunities, Smolenice castle near Bratislava, Slovakia : PROGRAM AND ABSTRACTS.* Bratislava : Institute of Virology - Department of Molecular Medicine, Slovak Academy of Sciences, 2014. 127 s.

FAI02 *Acta Virologica : international journal.* Editor in chief [2001-2014] G. Russ, editor [2014] K. Polčicová, editor [2014] M. Labudová, assistant editor [1987-2014] Ľ. Bártová. Bratislava : Virologický ústav SAV, 1957-. "SCOPUS, WoS, CC - Life Science, Medline". 4x ročne. ISSN 0001-723X. (2014 - Current Contents).

GHG Práce zverejnené na internete

Počet záznamov: 1

GHG01 *Čo nového v mikrobiológii : Zborník krátkych článkov konferencie mladých mikrobiológov [elektronický zdroj].* Bratislava-Praha, 2014. 1CD-ROM. Názov z CD ROM. Elektornický zborník na CD ROM. ISBN 978-80-971422-2-3.

Štatistika: kategória publikačnej činnosti

ABC	Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách	3
ADCA	Vedecké práce v zahraničných karentovaných časopisoch impaktovaných	35
ADCB	Vedecké práce v zahraničných karentovaných časopisoch neimpaktovaných	1
ADDA	Vedecké práce v domácich karentovaných časopisoch impaktovaných	7
ADEB	Vedecké práce v zahraničných nekarentovaných časopisoch neimpaktovaných	2
ADFB	Vedecké práce v domácich nekarentovaných časopisoch neimpaktovaných	1
AED	Vedecké práce v domácich recenzovaných vedeckých zborníkoch (aj konferenčných), monografiách	22
AEGA	Stručné oznámenia, abstrakty vedeckých prác v zahraničných karentovaných časopisoch impaktovaných	7
AFC	Publikované príspevky na zahraničných vedeckých konferenciách	2
AFDB	Publikované príspevky na domácich vedeckých konferenciách	4
AFE	Abstrakty pozvaných príspevkov zo zahraničných konferencií	2
AFFA	Abstrakty pozvaných príspevkov z medzinárodných vedeckých konferenciách poriadaných v SR	2
AFFB	Abstrakty pozvaných príspevkov z domácich konferencií	5
AFG	Abstrakty príspevkov zo zahraničných konferencií	76
AFHA	Abstrakty príspevkov z medzinárodných vedeckých konferenciách poriadaných v SR	27
AFHB	Abstrakty príspevkov z domácich konferencií	6
BDFB	Odborné práce v domácich nekarentovaných časopisoch neimpaktovaných	2
FAI	Redakčné a zostavovateľské práce knižného charakteru (bibliografie, encyklopédie, katalógy, slovníky, zborníky...)	2
GHG	Práce zverejnené na internete	1
Súčet		207

Zoznam publikačnej činnosti a ohlasov

Pracovisko: SAVVIR - Virologický ústav SAV

Rok ohlasu: 2013~2013

Zobrazovací formát: Modifikácia STN ISO 690 s ohlasmi - všetci autori

Štatistika: Kategória ohlasov

Triedenie: Kategória publikačnej činnosti, Meno prvého autora, Hlavný názov

Voľby: Číslovanie kategórií publ.činnosti, Číslovanie ohlasu poradovými číslami, Odsadenie ohlasov
doprava, Zobraziť iba ohlasy daného roku, Podčiarknuť domácich autorov, Nezobrazovať číslo
archívnej kópie

AAB Vedecké monografie vydané v domácich vydavateľstvách

AAB01 PAUHOFOVÁ, Iveta - DOVÁĽOVÁ, Gabriela - KOŠTA, Ján - NĚMCOVÁ, Ingeborg - PASTOREKOVÁ, Silvia - PETRÁŠEK, František - RUSKO, Miroslav - STANĚK, Peter - ŠČEPÁNOVÁ, Petra - VAŠKOVÁ, Natália - VAŠKOVÁ, Vanda - VAVRINC OVÁ, Zuzana - VOLNER, Štefan. *Paradigmy zmien v 21. storočí : hľadanie kontúr v mozaike*. Bratislava : Ekonomický ústav SAV, 2012. 314 s. Monografia je súčasťou riešenia projektov VEGA č. 0208/09, VEGA č. 2/0004/12, VEGA č. 2/0158/12, APVV-0135-10. Vyšla aj online verzia PAUHOFOVÁ, Iveta a kolektív Paradigmy zmien v 21. storočí : hľadanie kontúr v mozaike. Bratislava : EÚ SAV, 2012. 235 s. 978-80-7044-194-6 (online verzia)
http://www.ekonom.sav.sk/uploads/journals/Paradigmy_zmien_v_21_st.pdf. ISBN 978-80-7144-195-3.

Ohlasy:

1. [4] PÁLENÍK, M. Zdravotníctvo v kontexte striedajúcej ekonomiky. In Kasarda Martin (zost.) Kam smeruje starostlivosť o pacienta a občana? [S.l.] : Snowball communications, 2013. S. 23-30. ISBN 978-80-971175-1-1.
2. [2.1] GONDA, V. Energetické záujmy Európskej únie a Ruska. In Ekonomický časopis, 2013, roč. 61, č. 3, s. 297-322., WOS
3. [4] LAPINOVÁ, E. Príjmová nerovnosť a sociálna spravodlivosť v ekonomických súvislostiach. In Paradigmy budúcich zmien v 21. storočí. Európa, Slovensko - súvislosti globálneho ekonomického a mierového potenciálu. Bratislava : EÚ SAV, 2013. S. 199-213. ISBN 978-80-7144-212-7.
4. [4] IVANČÍKOVÁ, Ľ. Budúcnosť merania chudoby? In Paradigmy budúcich zmien v 21. storočí. Európa, Slovensko - súvislosti globálneho ekonomického a mierového potenciálu. Bratislava : EÚ SAV, 2013. S. 215-223. ISBN 978-80-7144-212-7.
5. [4] HRDINOVÁ, G. Koncept HCS modelu 3E vs. koncept corporate social responsibility (CSR). In Výkonnosť podniku, 2013, roč. III, č. 2, s. 43-92. ISSN 1338-435X. Dostupné na internete:<http://www.vusem.sk/public/userfiles/files/VP2013_2.pdf>.
6. [4] HRDINOVÁ, G. Návrh konceptu metodiky tvorby systému udržateľnej stratégie SZP pre MSP v kontexte s konceptom HCS modelu 3E-V. Rekapitulácia záverov. In Transfer inovácií, 2013, č. 25, s. 1-22. ISSN 1337-7094. Dostupné na internete:<http://www.scss.sk/cd_apvv_lpp_0384_09_2013/V%C3%9DSTUPY%20Z%20VLASTNEJ%20VEDECKO-V%C3%9DSKUMNEJ%20A%20PEDAGOGICKEJ%20C4%8CINNOSTI/PUBLIKA%C4%8CN%C3%81%20C4%8CINNOS%C5%A4/%C4%8CASIPOISY/TRANSF%C3%89R%20INOV%C3%81CI%C3%8D/25_2013/HRDINOVA_V.pdf>.
7. [4] GONDA, V. - LUKÁČOVÁ, I. Celoživotné vzdelávanie v EÚ - súčasť stratégie Európa 2020. In Sociálno-ekonomický obzor, 2013, roč. 1, č. 2, s. 103-109. ISSN 1339-2387. Dostupné na internete:<http://nhf.euba.sk/docs/seo/2_vydanie_jun_2013.pdf>.

ABC Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách

ABC01 NARASAKI, C.T. - TOMAN, Rudolf. Lipopolysaccharide of *Coxiella burnetii*. In *Coxiella burnetii: Recent Advances and New Perspectives in Research of the Q Fever Bacterium*. - Netherlands : Springer, 2012, p. 65-90. ISBN 978-94-007-4314-4.

Ohlasy:

1. [1.2] Mori, M.a , Boarbi, S.a, Michel, P.a, Bakinahe, R.a, Rits, K.a, Wattiau, P.b, Fretin In Vitro and In Vivo Infectious Potential of *Coxiella burnetii*: A Study on Belgian Livestock Isolates PLoS ONE Volume 8, Issue 6, 28 June 2013, Article number e67622, SCOPUS
2. [1.2] Mottola, G.abc, Ghigo, E. Lipopolysaccharide of *Coxiella burnetii* controls bacterial phagolysosome degradation Medecine/Sciences Volume 29, Issue 5, May 2013, Pages 455-457, SCOPUS

ABC02 PASTOREKOVÁ, Silvia - PASTOREK, Jaromír. Cancer-Related Carbonic Anhydrase Isozymes and Their Inhibition. In *Carbonic Anhydrase. Its Inhibitors and Activators : CRC Enzyme Inhibitors Series*. - Boca Raton, Florida : CRC Press, 2004, p. 255 - 281. ISBN 0-415-30673-b.

Ohlasy:

1. [1.1] Monti, SM (Monti, S. M.)[1] ; Supuran, CT (Supuran, C. T.)[2] ; De Simone, G Carbonic Anhydrase IX as a Target for Designing Novel Anticancer Drugs CURRENT MEDICINAL CHEMISTRY Volume: 19 Issue: 6 Pages: 821-830, 2012, WOS
2. [1.1] Singh, Shalini A QSAR Study on Novel Series of Carbonic Anhydrase Inhibitors hCA IX-Tumor-Associated (Hypoxia) MEDICINAL CHEMISTRY Volume: 8 Issue: 4 Pages: 656-672 Published: JUL 2012, WOS
3. [1.1] Alterio, V (Alterio, Vincenzo)[2] ; Di Fiore, A (Di Fiore, Anna)[2] ; D'Ambrosio, K (D'Ambrosio, Katia)[2] ; Supuran, CT (Supuran, Claudiu T.)[1] ; De Simone, G (De Simone, Giuseppina)[2] Multiple Binding Modes of Inhibitors to Carbonic Anhydrases: How to Design Specific Drugs Targeting 15 Different Isoforms? CHEMICAL REVIEWS Volume: 112 Issue: 8 Pages: 4421-4468, 2012, WOS
4. [1.1] Reich, R (Reich, Reuven)[1] ; Hoffman, A (Hoffman, Amnon)[1] ; Veerendhar, A (Veerendhar, Ainelly)[1] ; Maresca, A (Maresca, Alfonso)[2] ; Innocenti, A (Innocenti, Alessio)[2] ; Supuran, CT (Supuran, Claudiu T.)[2] ; Breuer, E (Breuer, Eli)[1] Carbamoylphosphonates Control Tumor Cell Proliferation and Dissemination by Simultaneously Inhibiting Carbonic Anhydrase IX and Matrix Metalloproteinase-2. Toward Nontoxic Chemotherapy Targeting Tumor Microenvironment JOURNAL OF MEDICINAL CHEMISTRY Volume: 55 Issue: 17 Pages: 7875-7882, 2012, WOS
5. [1.1] Monti, SM (Monti, Simona Maria)[1] ; Supuran, CT (Supuran, Claudiu T.)[2] ; De Simone, G (De Simone, Giuseppina)[1] Anticancer carbonic anhydrase inhibitors: a patent review (2008-2013) XPERT OPINION ON THERAPEUTIC PATENTS lume: 23 Issue: 6 Pages: 737-749, 2013, WOS
6. [1.1] Suthar, SK (Suthar, Sharad Kumar)[1] ; Bansal, S (Bansal, Sumit)[1] ; Lohan, S (Lohan, Sandeep)[1] ; Modak, V (Modak, Vikarm)[2] ; Chaudhary, A (Chaudhary, Anil)[3] ; Tiwari, A (Tiwari, Amit)[4] Design and synthesis of novel 4-(4-oxo-2-arylthiazolidin-3-yl) benzenesulfonamides as selective inhibitors of carbonic anhydrase IX over I and II with potential anticancer activity UROPEAN JOURNAL OF MEDICINAL CHEMISTRY Volume: 66 Pages: 372-379, 2013, WOS
7. [1.1] Slawinski, J (Slawinski, Jaroslaw)[1] ; Szafranski, K (Szafranski, Krzysztof)[1] ; Vullo, D (Vullo, Daniela)[2] ; Supuran, CT (Supuran, Claudiu T.)[2,3] Carbonic anhydrase inhibitors. Synthesis of heterocyclic 4-substituted pyridine-3-sulfonamide derivatives and their inhibition of the human cytosolic isozymes I and II and transmembrane tumor-associated isozymes IX and XII EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY Volume: 69 Pages: 701-710, 2013, WOS

ADCA Vedecké práce v zahraničných karentovaných časopisoch impaktovaných

ADCA01 AITKEN, I.D. - BÖGEL, K. - CRACEA, E. - EDLINGER, E. - HOUVERS, D. - KRAUSS, H. - RÁDY, M. - ŘEHÁČEK, Josef - SCHIEFER, H.G. - SCHMEER, N. - TARASEVICH, I.V. - TRINGALI, G. Q fever in Europe: Current aspects of actiology, epidemiology, human infection, diagnosis and therapy. In *Infection*, 1987, vol. 15, no. 5, p. 323 - 327. ISSN 0300-8126.

Ohlasy:

1. [1.1] Asadi, J (Asadi, Javad)[1] ; Kafi, M (Kafi, Mojtaba)[1] ; Khalili, M Seroprevalence of Q fever in sheep and goat flocks with a history of abortion in Iran between 2011 and 2012 VETERINARIA ITALIANA Volume: 49 Issue: 2 Pages: 163-168, 2013, WOS
2. [1.1] Koenen, F (Koenen, Frank)[1] ; Pascucci, I (Pascucci, Ilaria)[2] ; Jaenson, TGT (Jaenson, Thomas G. T.)[3] ; Madder, M (Madder, Maxime)[4,5] ; de Sousa, R (de Sousa, Rita)[6] ; Estrada-Pena, A (Estrada-Pena, Agustin)[7] ; Farkas, R (Farkas, Robert)[8] ; Salman, M Tick-borne Infections (Including Zoonoses) in Europe and the Mediterranean Basin TICKS AND TICK-BORNE DISEASES: GEOGRAPHICAL DISTRIBUTION AND CONTROL STRATEGIES IN THE EURO-ASIA REGION Pages: 33-75, 2013, WOS
3. [1.2] Altay Çapın, G. , Emre, Z., Canpolat, S., Vatansever, Y., Düzgün, A. Detection of Coxiella burnetii from ticks by polymerase chain reaction and restriction fragment length polymorphism Ankara Universitesi Veteriner Fakultesi Dergisi Volume 60, Issue 4, 2013, Pages 263-268, SCOPUS
4. [1.2] Herremans, T.a , Hogema, B.M.b, Nabuurs, M.cd, Peeters, M.e, Wegdam-Blans, M.f, Schneeberger, P.g, Nijhuis, C.a, Notermans, D.W.a, Galama, J.c, Horrevorts, A.d, van Loo, I.H.M.h, Vlaminckx, B.i, Zaaijer, H.L.b, Koopmans, M.P.a, Berkhout, H.dj, Socolovschi, C.k, Raoult, D.k, Stenos,

J.I, Nicholson, W.m, Bijlmer, H. Comparison of the performance of IFA, CFA, and ELISA assays for the serodiagnosis of acute Q fever by quality assessment Diagnostic Microbiology and Infectious Disease Volume 75, Issue 1, January 2013, Pages 16-21, SCOPUS

ADCA02 ALFANO, M. - SCHMIDTMAYEROVÁ, Helena - AMELLA, C-A - PUSHKARSKY, T. - BUKRINSKY, M. The B-Oligomer of Pertussis Toxin Deactivates CC Chemokine Receptor 5 and Blocks Entry of M-tropic HIV-1 Strains. In *The Journal of Experimental Medicine*, 1999, vol. 190, no. 5, p. 597-605. (15.882 - IF1998). (1999 - Current Contents).

Ohlasy:

1. [1.1] Berro, R (Berro, Reem)[1] ; Yasmeen, A (Yasmeen, Anila)[1] ; Abrol, R (Abrol, Ravinder)[3] ; Trzaskowski, B (Trzaskowski, Bartosz)[4] ; Abi-Habib, S (Abi-Habib, Sarya)[1] ; Grunbeck, A (Grunbeck, Amy)[2] ; Lascano, D (Lascano, Danny)[1] ; Goddard, WA (Goddard, William A., III)[3] ; Klasse, PJ (Klasse, Per Johan)[1] ; Sakmar, TP (Sakmar, Thomas P.)(2] ; Moore, JP Use of G-Protein-Coupled and -Uncoupled CCR5 Receptors by CCR5 Inhibitor-Resistant and -Sensitive Human Immunodeficiency Virus Type 1 Variants JOURNAL OF VIROLOGY Volume: 87 Issue: 12 Pages: 6569-6581, 2013, WOS
2. [1.1] Kamiyama, H (Kamiyama, Haruka)[1,3] ; Kakoki, K (Kakoki, Katsura)[1,2] ; Shigematsu, S (Shigematsu, Sayuri)[1] ; Izumida, M (Izumida, Mai)[1] ; Yashima, Y (Yashima, Yuka)[1] ; Tanaka, Y (Tanaka, Yuetsu)[4,5] ; Hayashi, H (Hayashi, Hideki)[1] ; Matsuyama, T (Matsuyama, Toshifumi)[1] ; Sato, H (Sato, Hironori)[2,6] ; Yamamoto, N (Yamamoto, Naoki)[2,7] ; Sano, T (Sano, Tetsuro)[8] ; Shidoji, Y (Shidoji, Yoshihiro)[3] ; Kubo, Y CXCR4-Tropic, But Not CCR5-Tropic, Human Immunodeficiency Virus Infection Is Inhibited by the Lipid Raft-Associated Factors, Acyclic Retinoid Analogs, and Cholera Toxin B Subunit AIDS RESEARCH AND HUMAN RETROVIRUSES Volume: 29 Issue: 2 Pages: 279-288, 2013, WOS

ADCA03 ALTERIO, V. - HILVO, M. - DI FIORE, A. - PAN, P. - PARKKILA, S. - SCALONI, A. - PASTOREK, Jaromír - PASTOREKOVÁ, Silvia - PEDONE, C. - SCOZZAFAVA, A. - MONTI, S.M. - DE SIMONE, G. Crystal structure of the catalytic domain of the tumor-associated human carbonic anhydrase IX. In *Proceedings of the National Academy of Sciences of the United States of America*, 2009, vol. 106, no. 38, p. 16233 - 16238. (9.380 - IF2008). (2009 - Current Contents). ISSN 0027-8424.

Ohlasy:

1. [1.1] Modak, Joyanta K.; Revitt-Mills, Sarah A.; Roujeinikova, Anna Cloning, purification and preliminary crystallographic analysis of the complex of Helicobacter pylori alpha-carbonic anhydrase with acetazolamide ACTA CRYSTALLOGRAPHICA SECTION F-STRUCTURAL BIOLOGY AND CRYSTALLIZATION COMMUNICATIONS Volume: 69 Pages: 1252-1255 Part: 11 Published: NOV 2013, WOS
2. [1.1] Boone, CD (Boone, Christopher D.)(1] ; Habibzadegan, A (Habibzadegan, Andrew)[1] ; Tu, CK (Tu, Chingkuang)[2] ; Silverman, DN (Silverman, David N.)(2] ; McKenna, R Structural and catalytic characterization of a thermally stable and acid-stable variant of human carbonic anhydrase II containing an engineered disulfide bond ACTA CRYSTALLOGRAPHICA SECTION D-BIOLOGICAL CRYSTALLOGRAPHY Volume: 69 Pages: 1414-1422 Part: 8, 2013, WOS
3. [1.1] Carradori, Simone Selective carbonic anhydrase IX inhibitors based on coumarin scaffold as promising antimetastatic agents: WO2012070024 EXPERT OPINION ON THERAPEUTIC PATENTS Volume: 23 Issue: 6 Pages: 751-756 Published: JUN 2013, WOS
4. [1.1] Ul-Haq, Z (Ul-Haq, Zaheer)[1] ; Usmani, S (Usmani, Saman)[1] ; Mahmood, U (Mahmood, Uzma)[1] ; al-Rashida, M (al-Rashida, Mariya)[2] ; Abbas, G In-Silico Analysis of Chromone Containing Sulfonamide Derivatives as Human Carbonic Anhydrase Inhibitors MEDICINAL CHEMISTRY Volume: 9 Issue: 4 Pages: 608-616, 2013, WOS
5. [1.1] Aggarwal, M (Aggarwal, Mayank)[1] ; Boone, CD (Boone, Christopher D.)(1] ; Kondeti, B (Kondeti, Bhargav)[1] ; McKenna, R Structural annotation of human carbonic anhydrases JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY Volume: 28 Issue: 2 Pages: 267-277, 2013, WOS
6. [1.1] Aggarwal, Mayank; Kondeti, Bhargav; McKenna, Robert Insights towards sulfonamide drug specificity in alpha-carbonic anhydrases BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue:

6 Pages: 1526-1533 Published: MAR 15 2013, WOS

7. [1.1] Maruyama, T (Maruyama, Toshifumi)[1,2] ; Miyamoto, Y (Miyamoto, Yoichi)[1] ; Yamamoto, G (Yamamoto, Gou)[3] ; Yamada, A (Yamada, Atsushi)[1] ; Yoshimura, K (Yoshimura, Kentaro)[1] ; Suzawa, T (Suzawa, Tetsuo)[1] ; Takami, M (Takami, Masamichi)[1] ; Akiyama, T (Akiyama, Tomohito)[1,2] ; Hoshino, M (Hoshino, Marie)[1,2] ; Iwasa, F (Iwasa, Fuminori)[2] ; Ikumi, N (Ikumi, Noriharu)[1] ; Tachikawa, T (Tachikawa, Tetsuhiko)[3] ; Mishima, K (Mishima, Kenji)[3] ; Baba, K (Baba, Kazuyoshi)[2] ; Kamijo, R Downregulation of Carbonic Anhydrase IX Promotes Col10a1 Expression in Chondrocytes PLOS ONE Volume: 8 Issue: 2 , 2013, WOS

8. [3] Cuperlovic-Culf, Miroslava Biology - cancer metabolic phenotype Book Author(s): CuperlovicCulf, M NMR METABOLOMICS IN CANCER RESEARCH Book Series: Woodhead Publishing Series in Biomedicine Issue: 63 Pages: 15-138 Published: 2013

9. [3] Cuperlovic-Culf, Miroslava NMR metabolomics application by cancer type Book Author(s): CuperlovicCulf, M NMR METABOLOMICS IN CANCER RESEARCH Book Series: Woodhead Publishing Series in Biomedicine Issue: 63 Pages: 385-412 Published: 2013

10. [1.2] Guo, J.ab, Li, F.-R.ab, Liu, Y.ab, Cheng, M.-S. Progress in the study of carbonic anhydrase inhibitors as potential anticancer drugs Yaoxue Xuebao Volume 48, Issue 11, 12 November 2013, Pages 1637-1643, SCOPUS

11. [1.2] Rana, S.abc, Nissen, F.abc, Lindner, T.abc, Altmann, A.abc, Mier, W.abc, Debus, J.abc, Haberkorn, U.abc, Askoxylakis, V. Screening of a novel peptide targeting the proteoglycan-Like region of human carbonic anhydrase 9 Molecular Imaging Volume 12, Issue 8, November 2013, SCOPUS

ADCA04 BAARDWIJK, A. van - DOOMS, C. - SUYLEN, R.J. van - VERBEKEN, E. - HOCHSTENBAG, M. - DEHING-OBERIJE, C. - RUPA, D. - PASTOREKOVÁ, Silvia - STROOBANTS, S. - BUELL, U. - LAMBIN, P. - VANSTEENKISTE, J. - RUYSSCHER, D. The maximum uptake of (18)F-deoxyglucose on positron emission tomography scan correlates with survival, hypoxia inducible factor-1alpha and GLUT-1 in non-small cell lung cancer. In *European Journal of Cancer*, 2007, vol. 43, no. 9, p. 1392-1398. (1.167 - IF2006). (2007 - Current Contents). ISSN 0959-8049.

Ohlasy:

1. [1.1] Kim, MH (Kim, Min-Hee)[1] ; Ko, SH (Ko, Sun Hee)[1] ; Bae, JS (Bae, Ja-Seong)[2] ; Lee, SH (Lee, Sung-Hak)[3] ; Jung, CK (Jung, Chan-Kwon)[3] ; Lim, DJ (Lim, Dong-Jun)[1] ; Baek, KH (Baek, Ki-Hyun)[1] ; Kim, SH (Kim, Sung-Hoon)[4] ; Lee, JM (Lee, Jong-Min)[1] ; Kang, MI (Kang, Moo-Il)[1] ; Cha, BY Non-FDG-Avid Primary Papillary Thyroid Carcinoma May Not Differ from FDG-Avid Papillary Thyroid Carcinoma THYROID olume: 23 Issue: 11 Pages: 1452-1460, 2013, WOS

2. [1.1] Kaira, K (Kaira, Kyoichi)[1] ; Murakami, H (Murakami, Haruyasu)[1] ; Endo, M (Endo, Masahiro)[2] ; Ohde, Y (Ohde, Yasuhisa)[4] ; Naito, T (Naito, Tateaki)[1] ; Kondo, H (Kondo, Haruhiko)[4] ; Nakajima, T (Nakajima, Takashi)[3] ; Yamamoto, N (Yamamoto, Nobuyuki)[1] ; Takahashi, T Biological Correlation of F-18-FDG Uptake on PET in Pulmonary Neuroendocrine Tumors ANTICANCER RESEARCH Volume: 33 Issue: 10 Pages: 4219-4228 , 2013, WOS

3. [1.1] Amzat, R (Amzat, Rianot)[1] ; Taleghani, P (Taleghani, Pooneh)[1] ; Miller, DL (Miller, Daniel L.)(2] ; Beitler, JJ (Beitler, Jonathan J.)(1] ; Bellamy, LM (Bellamy, Leah M.)(1] ; Nye, JA (Nye, Jonathon A.)(1] ; Yu, WP (Yu, Weiping)[1] ; Savir-Baruch, B (Savir-Baruch, Bitai)[1] ; Osunkoya, AO (Osunkoya, Adeboye O.)(1] ; Chen, ZJ (Chen, Zhengjia)[3] ; Auffermann, WF (Auffermann, William F.)(1] ; Goodman, MM (Goodman, Mark M.)(1] ; Schuster, DM Pilot Study of the Utility of the Synthetic PET Amino-Acid Radiotracer Anti-1-Amino-3-[F-18]Fluorocyclobutane-1-Carboxylic Acid for the Noninvasive Imaging of Pulmonary Lesions MOLECULAR IMAGING AND BIOLOGY Volume: 15 Issue: 5 Pages: 633-643, 2013, WOS

4. [1.1] Cistaro, A (Cistaro, Angelina)[1] ; Quartuccio, N (Quartuccio, Natale)[2] ; Mojtahedi, A (Mojtahedi, Alireza)[3] ; Fania, P (Fania, Piercarlo)[1] ; Filosso, PL (Filosso, Pier Luigi)[4] ; Campenni, A (Campenni, Alfredo)[2] ; Ficola, U (Ficola, Umberto)[5] ; Baldari, S Prediction of 2 years-survival in patients with stage I and II non-small cell lung cancer utilizing F-18-FDG PET/CT SUV quantification RADIOLOGY AND ONCOLOGY Volume: 47 Issue: 3 Pages: 219-223, 2013, WOS

5. [1.1] Hu, M (Hu, Man)[1,2] ; Xing, LG (Xing, Ligang)[1,2] ; Mu, DB (Mu, Dianbin)[3] ; Yang, WF (Yang, Wenfeng)[3] ; Yang, GR (Yang, Guoren)[3] ; Kong, L (Kong, Li)[1,2] ; Yu, JM Hypoxia

- Imaging With F-18-Fluoroerythronitroimidazole Integrated PET/CT and Immunohistochemical Studies in Non-Small Cell Lung Cancer CLINICAL NUCLEAR MEDICINE Volume: 38 Issue: 8 Pages: 591-596, 2013, WOS
6. [1.1] Toba, H (Toba, Hiroaki)[1] ; Kondo, K (Kondo, Kazuya)[2] ; Sadohara, Y (Sadohara, Yohei)[1] ; Otsuka, H (Otsuka, Hideki)[3] ; Morimoto, M (Morimoto, Masami)[1] ; Kajiura, K (Kajiura, Koichiro)[1] ; Nakagawa, Y (Nakagawa, Yasushi)[1] ; Yoshida, M (Yoshida, Mitsuteru)[1] ; Kawakami, Y (Kawakami, Yukikiyo)[1] ; Takizawa, H (Takizawa, Hiromitsu)[1] ; Kenzaki, K (Kenzaki, Koichiro)[1] ; Sakiyama, S (Sakiyama, Shoji)[1] ; Bando, Y (Bando, Yoshimi)[4] ; Tangoku, A F-18-fluorodeoxyglucose positron emission tomography/computed tomography and the relationship between fluorodeoxyglucose uptake and the expression of hypoxia-inducible factor-1 alpha, glucose transporter-1 and vascular endothelial growth factor in thymic epithelial tumours EUROPEAN JOURNAL OF CARDIO-THORACIC SURGERY Volume: 44 Issue: 2 Pages: E105-E112, 2013, WOS
7. [1.1] Ozer, E (Ozer, E.)[1] ; Naiboglu, B (Naiboglu, B.)[4] ; Karapinar, U (Karapinar, U.)[5] ; Agrawal, A (Agrawal, A.)[1] ; Ozer, HG (Ozer, H. G.)[2] ; Schuller, DE Clinicopathological determinants of positron emission tomography computed tomography fluorodeoxyglucose standardised uptake value in head and neck carcinoma JOURNAL OF LARYNGOLOGY AND OTOTOLOGY Volume: 127 Issue: 7 Pages: 676-680, 2013, WOS
8. [1.1] Fathinul, F.; Nordin, A. J.; Lau, W. F. E. (18)[F]FDG-PET/CT is a Useful Molecular Marker in Evaluating Tumour Aggressiveness: A Revised Understanding of an In-Vivo FDG-PET Imaging that Alludes the Alteration of Cancer Biology CELL BIOCHEMISTRY AND BIOPHYSICS Volume: 66 Issue: 1 Pages: 37-43 Published: MAY 2013, WOS
9. [1.1] Suzuki, H (Suzuki, Hidenori)[1] ; Kato, K (Kato, Katsuhiko)[2] ; Fujimoto, Y (Fujimoto, Yasushi)[3] ; Itoh, Y (Itoh, Yoshiyuki)[4] ; Hiramatsu, M (Hiramatsu, Mariko)[3] ; Maruo, T (Maruo, Takashi)[3] ; Naganawa, S (Naganawa, Shinji)[4] ; Hasegawa, Y (Hasegawa, Yasuhisa)[1] ; Nakashima, T F-18-FDG-PET/CT predicts survival in hypopharyngeal squamous cell carcinoma ANNALS OF NUCLEAR MEDICINE Volume: 27 Issue: 3 Pages: 297-302, 2013, WOS
10. [1.1] Zhang, H (Zhang, Hao)[1,2] ; Wroblewski, K (Wroblewski, Kristen)[3] ; Appelbaum, D (Appelbaum, Daniel)[2] ; Pu, YL Independent prognostic value of whole-body metabolic tumor burden from FDG-PET in non-small cell lung cancer INTERNATIONAL JOURNAL OF COMPUTER ASSISTED RADIOLOGY AND SURGERY Volume: 8 Issue: 2 Pages: 181-191, 2013, WOS
11. [1.1] Cao, J (Cao, Jie)[1] ; Cui, SS (Cui, Sisi)[1] ; Li, SW (Li, Siwen)[1] ; Du, CL (Du, Changli)[1] ; Tian, JM (Tian, Junmei)[1] ; Wan, SN (Wan, Shunan)[1] ; Qian, ZY (Qian, Zhiyu)[2] ; Gu, YQ (Gu, Yueqing)[1] ; Chen, WR (Chen, Wei R.)[3] ; Wang, GJ Targeted Cancer Therapy with a 2-Deoxyglucose-Based Adriamycin Complex CANCER RESEARCH Volume: 73 Issue: 4 Pages: 1362-1373, 2013, WOS
12. [1.1] Brunese, L (Brunese, Luca)[1] ; Greco, B (Greco, Barbara)[2] ; Setola, FR (Setola, Francesca Rosa)[2] ; Lassandro, F (Lassandro, Francesco)[3] ; Guarracino, MR (Guarracino, Mario Rosario)[4] ; De Rimini, M (De Rimini, Marialuisa)[5] ; Piccolo, S (Piccolo, Sergio)[5] ; De Rosa, N (De Rosa, Nicolina)[6] ; Muto, R (Muto, Roberto)[5] ; Bianco, A (Bianco, Andrea)[1] ; Muto, P (Muto, Pietro)[4] ; Grassi, R (Grassi, Roberto)[2] ; Rotondo, A Non-small cell lung cancer evaluated with quantitative contrast-enhanced CT and PET-CT: Net enhancement and standardized uptake values are related to tumour size and histology MEDICAL SCIENCE MONITOR Volume: 19 Pages: 95-101, 2013, WOS
13. [1.1] Cistaro, A (Cistaro, Angelina)[1,2,3] ; Quartuccio, N (Quartuccio, Natale)[4] ; Mojtahedi, A (Mojtahedi, Alireza)[5] ; Fania, P (Fania, Piercarlo)[1] ; Filosso, PL (Filosso, Pier Luigi)[6] ; Cucinotta, M (Cucinotta, Mariapaola)[4] ; Campenni, A (Campenni, Alfredo)[4] ; Ficola, U (Ficola, Umberto)[7] ; Baldari, S Is %Delta SUVmax a Useful Indicator of Survival in Patients with Advanced Nonsmall-Cell Lung Cancer? SCIENTIFIC WORLD JOURNAL Article Number: 910957, 2013, WOS
14. [1.1] Zhang, H (Zhang, Hao)[1] ; Wroblewski, K (Wroblewski, Kristen)[3] ; Liao, S (Liao, Shengri)[4] ; Kampalath, R (Kampalath, Rony); Penney, BC (Penney, Bill C.); Zhang, Y (Zhang, Yi)[5] ; Pu, YL Prognostic Value of Metabolic Tumor Burden from F-18-FDG PET in Surgical Patients with Non-small-cell Lung Cancer ACADEMIC RADIOLOGY Volume: 20 Issue: 1 Pages: 32-40, 2013, WOS
15. [1.1] Chitcholtan, K (Chitcholtan, Kenny)[1] ; Asselin, E (Asselin, Eric)[2] ; Parent, S

(Parent, Sophie)[2] ; Sykes, PH (Sykes, Peter H.)[1] ; Evans, JJ Differences in growth properties of endometrial cancer in three dimensional (3D) culture and 2D cell monolayer EXPERIMENTAL CELL RESEARCH Volume: 319 Issue: 1 Pages: 75-87, 2013, WOS

ADCA05 BANANEJ, K. - KESHAVARZ, T. - VAHDAT, A. - SALEKDEH, G.H. - GLASA, Miroslav. Biological and Molecular Variability of Zucchini yellow mosaic virus in Iran. T. Keshavarz, A. Vahdat, G.H. Salekdeh, Miroslav Glasa. In *Journal of Phytopathology*, 2008, vol. 156, p. 654 - 659. (0.896 - IF2007). (2008 - Current Contents). ISSN 0931-1785.

Ohlasy:

1. [1.1] Coutts, BA (Coutts, B. A.)[1] ; Kehoe, MA (Kehoe, M. A.); Jones, RAC (Jones, R. A. C.) Zucchini yellow mosaic virus: Contact Transmission, Stability on Surfaces, and Inactivation with Disinfectants PLANT DISEASE Volume: 97 Issue: 6 Pages: 765-771 DOI: 10.1094/PDIS-08-12-0769-RE Published: JUN 2013, WOS

ADCA06 BARÁTHOVÁ, Monika - TAKÁČOVÁ, Martina - HOLOTŇÁKOVÁ, Terézia - GIBADULINOVÁ, Adriana - OHRAĎANOVÁ, Anna - ZAŤOVIČOVÁ, Miriam - HULÍKOVÁ, Alžbeta - KOPÁČEK, Juraj - PARKKILA, S. - SUPURAN, C - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír. Alternative splicing variant of the hypoxia marker carbonic anhydrase IX expressed independently of hypoxia and tumor phenotype. In *British Journal of Cancer*, 2008, vol. 98, p. 129 - 136. (4.635 - IF2007). (2008 - Current Contents). ISSN 1532-1827.

Ohlasy:

1. [1.1] Ilie, M (Ilie, Marius)[1,2,3] ; Hofman, V (Hofman, Veronique)[1,2,3,4] ; Zangari, J (Zangari, Josephine)[2,3] ; Chiche, J (Chiche, Johanna)[5] ; Mouroux, J (Mouroux, Jerome)[2,3,6] ; Mazure, NM (Mazure, Nathalie M.)[3,7] ; Pouyssegur, J (Pouyssegur, Jacques)[3,7] ; Brest, P (Brest, Patrick)[2,3] ; Hofman, P Response of CAIX and CAXII to in vitro re-oxygenation and clinical significance of the combined expression in NSCLC patients LUNG CANCER Volume: 82 Issue: 1 Pages: 16-23, 2013, WOS

2. [1.2] Damaghi, M., Wojtkowiak, J.W., Gillies, R.J. pH sensing and regulation in cancer Frontiers in Physiology Volume 4 DEC, 2013, Article number Article 370, SCOPUS

3. [1.1] Damaghi, M., Wojtkowiak, J.W., Gillies, R.J. pH sensing and regulation in cancer Frontiers in Physiology Volume 4 DEC, 2013, Article number Article 370, 2013, WOS

ADCA07 RAFAJOVÁ, Monika - ZAŤOVIČOVÁ, Miriam - KETTMANN, R. - PASTOREK, Jaromír - PASTOREKOVÁ, Silvia. Induction by hypoxia combined with low glucose or low bicarbonate and high posttranslational stability upon reoxygenation contribute to carbonic anhydrase IX expression in cancer cells. In *International Journal of Oncology*, 2004, vol. 24, no. 4, p. 995-1004. (2.330 - IF2003). (2004 - Current Contents).

Ohlasy:

1. [1.1] Ilie, M (Ilie, Marius)[1,2,3] ; Hofman, V (Hofman, Veronique)[1,2,3,4] ; Zangari, J (Zangari, Josephine)[2,3] ; Chiche, J (Chiche, Johanna)[5] ; Mouroux, J (Mouroux, Jerome)[2,3,6] ; Mazure, NM (Mazure, Nathalie M.)[3,7] ; Pouyssegur, J (Pouyssegur, Jacques)[3,7] ; Brest, P (Brest, Patrick)[2,3] ; Hofman, P Response of CAIX and CAXII to in vitro re-oxygenation and clinical significance of the combined expression in NSCLC patients LUNG CANCER Volume: 82 Issue: 1 Pages: 16-23, 2013, WOS

2. [1.2] Moreno-Acosta, P.a , Carrillo, S.a, Gamboa, O.b, Acosta, Y.c, Balart-Serra, J.d, Magne, N.e, Melo-Urbe, M.A.f, Romero-Rojas, A.E. Expression of the hypoxic and glycolytic markers, CAIX, GLUT-1 and HKII and their association with early treatment response in squamous cell carcinomas of the uterine cervix [Expresión de marcadores hipóxicos y glucolíticos CAIX, GLUT-1, HKII y su relación con la respuesta temprana al tratamiento en carcinoma escamocelular de cuello uterino] *Progresos de Obstetricia y Ginecología* Volume 56, Issue 8, October 2013, Pages 404-413, SCOPUS

3. [1.2] Ostheimer, C., Vordermark, D. Osteopontin - an indicator of tumor hypoxia and treatment resistance Hypoxia: Causes, Types and Management January 2013, Pages 255-318, SCOPUS

4. [1.2] Mees, G.a, Dierckx, R.a, Vangestel, C.a, Laukens, D.a, Van Damme, N.a, Van De Wiele, C. Pharmacologic activation of tumor hypoxia: A means to increase tumor 2-deoxy-2-[18F]fluoro-D-glucose uptake? *Molecular Imaging* Volume 12, Issue 1, January 2013, Pages 49-58, SCOPUS

ADCA08 BARRY, A.O. - BOUCHERIT, N. - MOTTOLA, G. - VADOVIČ, Pavoľ - TROUPLIN, V. - SOUBEYRAN, P. - CAPO, C. - BONATTI, S. - NEBRADA, A. - TOMAN, Rudolf - LEMICHEZ, E. - MEGE, J.L. Impaired Stimulation of p38 alpha-MAPK/Vps41-HOPS by LPS from Pathogenic Coxiella burnetii Prevents Trafficking to Microbicidal Phagolysosomes. In *Cell host & microbe*, 2012, vol. 12, no. 6, p. 751 - 763. (13.500 - IF2011). (2012 - Current Contents). ISSN 1931-3128.

Ohlasy:

1. [1.1] Cunha, Larissa D.; Zamboni, Dario S. Subversion of inflammasome activation and pyroptosis by pathogenic bacteria FRONTIERS IN CELLULAR AND INFECTION MICROBIOLOGY Volume: 3 Article Number: UNSP 76 Published: NOV 2013, WOS

ADCA09 BARTOŠOVÁ, Mária - PARKKILA, S. - POHLODEK, K. - KARTTUNEN, T.J. - GALBAVÝ, Štefan - MUCHA, Vojtech - HARRIS, Adrian L. - PASTOREK, Jaromír - PASTOREKOVÁ, Silvia. Expression of carbonic anhydrase IX in breast is associated with malignant tissues and is related to overexpression of c-erbB2. In *Journal of Pathology*, 2002, vol. 197, no. 3, p. 314-321. (5.064 - IF2001). (2002 - Current Contents).

Ohlasy:

1. [1.1] Adams, A (Adams, Arthur)[1] ; van Brussel, ASA (van Brussel, Aram S. A.)[2] ; Vermeulen, JF (Vermeulen, Jeroen F.)[2] ; Mali, WPTM (Mali, Willem P. Th M.)[1] ; van der Wall, E (van der Wall, Elske)[3] ; van Diest, PJ (van Diest, Paul J.)[2] ; Elias, SG The potential of hypoxia markers as target for breast molecular imaging - a systematic review and meta-analysis of human marker expression BMC CANCER Volume: 13, Article Number: 538, 2013, WOS
2. [1.1] Whelan, KA (Whelan, Kelly A.)[1] ; Schwab, LP (Schwab, Luciana P.)[3,4] ; Karakashev, SV (Karakashev, Sergey V.)[1] ; Franchetti, L (Franchetti, Lisa)[2] ; Johannes, GJ (Johannes, Gregg J.)[2] ; Seagroves, TN (Seagroves, Tiffany N.)[3,4] ; Reginato, MJ The Oncogene HER2/neu (ERBB2) Requires the Hypoxia-inducible Factor HIF-1 for Mammary Tumor Growth and Anoikis Resistance JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 288 Issue: 22 Pages: 15865-15877, 2013, WOS
3. [1.1] Gieling, RG (Gieling, Roben G.)[1] ; Parker, CA (Parker, Catriona A.)[2] ; De Costa, LA (De Costa, Lisa A.)[2] ; Robertson, N (Robertson, Naomi)[3] ; Harris, AL (Harris, Adrian L.)[3] ; Stratford, IJ (Stratford, Ian J.)[2] ; Williams, KJ Inhibition of carbonic anhydrase activity modifies the toxicity of doxorubicin and melphalan in tumour cells in vitro JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY Volume: 28 Issue: 2 Pages: 360-369, 2013, WOS
4. [1.1] Ward, C (Ward, Carol)[2,3] ; Langdon, SP (Langdon, Simon P.)[2,3] ; Mullen, P (Mullen, Peter)[2,3] ; Harris, AL (Harris, Adrian L.)[4] ; Harrison, DJ (Harrison, David J.)[5] ; Supuran, CT (Supuran, Claudiu T.)[6] ; Kunkler, IH New strategies for targeting the hypoxic tumour microenvironment in breast cancer CANCER TREATMENT REVIEWS Volume: 39 Issue: 2 Pages: 171-179, 2013, WOS

ADCA10 BEASLEY, N.J. - WYKOFF, Charles C. - WATSON, P.H. - LEEK, R. - TURLEY, H. - GATTER, K. - PASTOREK, Jaromír - COX, G.J. - RATCLIFFE, P. - HARRIS, Adrian L. Carbonic anhydrase IX, an endogenous hypoxia marker, expression in head and neck squamous cell carcinoma and its relationship to hypoxia necrosis and microvessel density. In *Cancer Research*. - Birmingham : Amer.Assoc.Cancer Research, 2001, vol. 61, p. 5262-5267. (8.460 - IF2000). (2001 - Current Contents). ISSN 008-5472.

Ohlasy:

1. [1.1] Rademakers, SE (Rademakers, Saskia E.)[1] ; Hoogsteen, IJ (Hoogsteen, Ilse J.)[1] ; Rijken, PF (Rijken, Paul F.)[1] ; Oosterwijk, E (Oosterwijk, Egbert)[2] ; Terhaard, CH (Terhaard, Chris H.)[3] ; Doornaert, PA (Doornaert, Patricia A.)[4] ; Langendijk, JA (Langendijk, Johannes A.)[5] ; van den Ende, P (van den Ende, Piet)[6] ; Takes, R (Takes, Robert)[7] ; De Bree, R (De Bree, Remco)[8] ; Van der Kogel, AJ (Van der Kogel, Albert J.)[1] ; Bussink, J (Bussink, Johan)[1] ; Kaanders, JH Pattern of CAIX expression is prognostic for outcome and predicts response to ARCON in patients with laryngeal cancer treated in a phase III randomized trial RADIOLOGY AND ONCOLOGY Volume: 108 Issue: 3 Pages: 517-522, 2013, WOS
2. [1.1] Wood, SL (Wood, Steven L.)[1] ; Knowles, MA (Knowles, Margaret A.)[2] ; Thompson, D (Thompson, Douglas)[3] ; Selby, PJ (Selby, Peter J.)[2] ; Banks, RE Proteomic studies of urinary biomarkers for prostate, bladder and kidney cancers NATURE REVIEWS UROLOGY Vol.10, no. 4,

2013, WOS

3. [1.1] Gieling, Roben G.; Williams, Kaye J. Carbonic anhydrase IX as a target for metastatic disease BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1470-1476 Published: MAR 15 2013, WOS
4. [1.1] Mikami, Y (Mikami, Yoshiki)[1] ; Minamiguchi, S (Minamiguchi, Sachiko)[1] ; Teramoto, N (Teramoto, Norihiro)[2] ; Nagura, M (Nagura, Michikazu)[3] ; Haga, H (Haga, Hironori)[1] ; Konishi, I Carbonic anhydrase type IX expression in lobular endocervical glandular hyperplasia and gastric-type adenocarcinoma of the uterine cervix PATHOLOGY RESEARCH AND PRACTICE Volume: 209 Issue: 3 Pages: 173-178, 2013, WOS
5. [1.2] Shareef, M.M.ab , Udayakumar, T.S.ab, Sinha, V.K.abc, Saleem, S.M.d, Griggs, W.W. Interaction of HIF-1 α and Notch3 Is Required for the Expression of Carbonic Anhydrase 9 in Breast Carcinoma Cells Genes and Cancer Volume 4, Issue 11-12, November 2013, Pages 513-523, SCOPUS
6. [1.2] Huang, M.-Y.abc, Wang, J.-Y.bde , Lin, S.-R. CA9 and CHRN1 were correlated with perineural invasion in Taiwanese colorectal cancer patients Biomarkers and Genomic Medicine Volume 5, Issue 3, September 2013, Pages 84-86, SCOPUS
7. [1.2] Bevensee, M.O.a, Boron, W.F. Control of Intracellular pH Seldin and Geibisch's The Kidney Volume 2, 2013, Pages 1773-1835, SCOPUS

ADCA11 BETÁKOVÁ, Tatiana - HAY, A.J. Comparison of the activities of BM2 protein and its H19 and W23 mutants of influenza B virus with activities of M2 protein and its H37 and W41 mutants of influenza A virus. In *Archives of Virology*, 2009, vol. 154, p. 1619-1624. (2.020 - IF2008). (2009 - Current Contents). ISSN 0304-8608.

Ohlasy:

1. [1.1] Griffin, Stephen Edited by: Desai, MC; Meanwell, NA SUCCESSFUL STRATEGIES FOR THE DISCOVERY OF ANTIVIRAL DRUGS Book Series: RSC Drug Discovery Series Volume: 32 Pages: 295-362 Published: 2013, WOS

ADCA12 BETÁKOVÁ, Tatiana - MOSS, B. Disulfide bonds and membrane topology of the vaccinia virus A 17L envelope protein. In *Journal of Virology*, 2000, vol. 74, no. 5, p. 2438-2442. (5.942 - IF1999). (2000 - Current Contents). ISSN 0022-538X.

Ohlasy:

1. [1.2] Unger, B., Mercer, J., Boyle, K.A., Traktman, P. Biogenesis of the vaccinia virus membrane: Genetic and ultrastructural analysis of the contributions of the A14 and A17 proteins *Journal of Virology* 87 (2) , pp. 1083-1097 , 2013, SCOPUS

ADCA13 BETÁKOVÁ, Tatiana - HAY, A.J. Evidence that the CM2 protein of influenza C virus can modify the pH of the exocytic pathway of transfected cells. In *Journal of General Virology*, 2007, vol.13, no.2, p. 2291-2296. (3.110 - IF2006). (2007 - Current Contents). ISSN 0022-1317.

Ohlasy:

1. [1.1] Muraki, Y., Okuwa, T., Himeda, T., Hongo, S., Ohara, Y. Effect of Cysteine Mutations in the Extracellular Domain of CM2 on the Influenza C Virus Replication PLoS ONE 8 (4) , art. no. e60510 , 2013, WOS
2. [1.1] Griffin, Stephen Edited by: Desai, MC; Meanwell, NA SUCCESSFUL STRATEGIES FOR THE DISCOVERY OF ANTIVIRAL DRUGS Book Series: RSC Drug Discovery Series Volume: 32 Pages: 295-362 Published: 2013, WOS

ADCA14 BETÁKOVÁ, Tatiana - ČIAMPOR, Fedor - HAY, A.J. Influence of residue 44 on the activity of the M2 proton channel of influenza A virus. In *Journal of General Virology*. - Reading RG7 1AG : Society for General Microbiology,Marlborough House, 2005, vol.86, no., p.181-184. (3.327 - IF2004). (2005 - Current Contents). ISSN 0022-1317.

Ohlasy:

1. [1.1] Ma, C.ae, Fiorin, G.bc, Carnevale, V.bc, Wang, J.d, Lamb, R.A.ef, Klein, M.L.bc, Wu, Y.d , Pinto, L.H.a , Degradó, W.F.d Asp44 stabilizes the Trp41 gate of the M2 proton channel of influenza a virus Structure Volume 21, Issue 11, 5 November 2013, Pages 2033-2041, WOS

ADCA15 BETÁKOVÁ, Tatiana - WOLFFE, E.J. - MOSS, B. Membrane topology of the vaccinia virus A17L envelope protein. In *Virology*, 1999, vol. 261, no. 2, p. 347 - 356. (3.550 - IF1998). (1999 - Current Contents). ISSN 0042-6822.

Ohlasy:

1. [1.1] Unger, B., Mercer, J., Boyle, K.A., Traktman, P. Biogenesis of the vaccinia virus membrane: Genetic and ultrastructural analysis of the contributions of the A14 and A17 proteins *Journal of Virology* 87 (2) , pp. 1083-1097 , 2013, SCOPUS

ADCA16 BETÁKOVÁ, Tatiana. M2 protein - a proton channel of influenza A virus. In *Current Pharmaceutical Design*, 2007, vol. 13, no. 31, p. 3231-3235. (5.270 - IF2006). (2007 - Current Contents). ISSN 1381-6128.

Ohlasy:

1. [1.1] Kohio, H.P., Adamson, A.L. Glycolytic control of vacuolar-type ATPase activity: A mechanism to regulate influenza viral infection *Virology* 444 (1-2) , pp. 301-309 , 2013, SCOPUS
2. [1.2] Friend Tambunan, U.S., Reza Rahdiansyah, M., Aditya Parikesit, A. In silico design of the M2 proton channel inhibitors of H1N1 virus *OnLine Journal of Biological Sciences* 13 (1) , pp. 1-12 , 2013, SCOPUS
3. [1.1] Alavi Esfahani, M.A., Fotouhi, F., Ghaemi, A., Saleh, M., Chalabiani, S., Farahmand, B., Tavasoti Kheiri, M. Expression of M2 protein of human influenza virus in escherichia coli *Journal of Isfahan Medical School* Volume 30, Issue 216, February 2013, Pages 2091-2102, WOS

ADCA17 BETÁKOVÁ, Tatiana - WOLFFE, E.J. - MOSS, B. Regulation of vaccinia virus morphogenesis: Phosphorylation of the A14L and A17L membrane proteins and C-terminal truncation of the A17L protein are dependent on the F10L kinase. In *Journal of Virology*, 1999, vol.73, no.5, p.3534-3543. (5.828 - IF1998). (1999 - Current Contents). ISSN 0022-538X.

Ohlasy:

1. [1.2] Unger, B., Mercer, J., Boyle, K.A., Traktman, P. Biogenesis of the vaccinia virus membrane: Genetic and ultrastructural analysis of the contributions of the A14 and A17 proteins *Journal of Virology* 87 (2) , pp. 1083-1097 , 2013, SCOPUS

ADCA18 BETÁKOVÁ, Tatiana - NERMUT, M.V. - HAY, A.J. The NB protein: is an aintegral components of the membrane of influenza B virus. In *Journal of General Virology*, 1996, vol. 77, no.11, p. 2689-2694. (3.410 - IF1995). (1996 - Current Contents). ISSN 0022-1317.

Ohlasy:

1. [1.2] Burnham, A.J., Baranovich, T., Govorkova, E.A. Neuraminidase inhibitors for influenza B virus infection: Efficacy and resistance *Antiviral Research* 100 (2) , pp. 520-534 , 2013, SCOPUS
2. [1.2] Singh, H., Talapatra, P., Arya, S., Gupta, V. Viral myositis as a close mimicker of polymyositis *Annals of Tropical Medicine and Public Health* 6 (3) , pp. 324-326, 2013, SCOPUS
3. [1.1] Zhu, N.ab, Li, P.c, Yu, J.a, Li, Y.d, Zhao, J.a, Xia, H.a, Tang, S.a, Zhang, Z.a, Kou, Z.a, Yin, S.a, Fan, Z.a, Li, T. Molecular characterization of influenza B viruses isolated in east-central China in 2009-2010 Volume 46, Issue 1, February 2013, Pages 28-38, WOS
4. [1.2] Gibson, S.B., Majersik, J.J., Gordon Smith, A., Bromberg, M.B. Three cases of acute myositis in adults following influenza-like illness during the H1N1 pandemic *Journal of Neurosciences in Rural Practice* 4 (1) , pp. 51-54 , 2013, SCOPUS
5. [1.1] Griffin, Stephen Edited by: Desai, MC; Meanwell, NA SUCCESSFUL STRATEGIES FOR THE DISCOVERY OF ANTIVIRAL DRUGS Book Series: RSC Drug Discovery Series Volume: 32 Pages: 295-362 Published: 2013, WOS

ADCA19 BODIN, M. - GLASA, Miroslav - VERGER, D. - COSTES, E. - DOSBA, F. Distribution of the sour cherry isolate of plum pox virus infected Prunus rootstocks. In *Journal of Phytopathology*, 2003, vol. 151, no. 11-12, p. 625-630. (0.723 - IF2002). (2003 - Current Contents). ISSN 0931-1785.

Ohlasy:

1. [1.1] Rubio, M (Rubio, M.)[1] ; Dicenta, F (Dicenta, F.)[1] ; Masse, M (Masse, M.)[2] ; Duval, H

(Duval, H.)[2] Susceptibility of Prunus rootstocks against Marcus and Dideron isolates of Plum pox virus by graft-inoculation ANNALS OF APPLIED BIOLOGY Volume: 162 Issue: 2 Pages: 214-220 DOI: 10.1111/aab.12015 Published: 2013, WOS

2. [1.1] Caglayan, K (Caglayan, K.)[1] ; Serce, CU (Serce, C. U.)[1] ; Gazel, M (Gazel, M.)[1] ; Kaya, K (Kaya, K.)[1] ; Cengiz, FC (Cengiz, F. C.)[1] ; Vidal, E (Vidal, E.)[2] ; Cambra, M (Cambra, M.) EVALUATION OF THE SUSCEPTIBILITY OF DIFFERENT PRUNUS ROOTSTOCKS TO NATURAL INFECTION OF PLUM POX VIRUS-T JOURNAL OF PLANT PATHOLOGY Volume: 95 Issue: 3 Pages: 579-586 , 2013, WOS

ADCA20 BOHÁČOVÁ, Viera - SULOVÁ, Zdena - DOVINOVÁ, Ima - POLÁKOVÁ, Eva - BARANČÍK, Miroslav - UHRÍK, Branislav - ORLICKÝ, Jozef - BREIER, Albert. L1210 cells cultivated under the selection pressure of doxorubicin or vincristine express common mechanisms of multidrug resistance based on the overexpression of P-glycoprotein. In *Toxicology in vitro : an international journal published in association with BIBRA*, 2006, vol. 20, no. 8, p.1560-1568. ISSN 0887-2333.

Ohlasy:

1. [3] Sun, S. - Lee, D. - Leung, G.K.K. Chemoresistance in Glioma, In: NEW ADVANCES on DISEASE BIOMARKERS and MOLECULAR TARGETS in BIOMEDICINE, (Eds. Lee NP, Cheng CY, Luk JM), Publisher: Humana Press, DOI: 10.1007/978-1-62703-456-2_14, ISBN: 978-1-62703-455-5, pp 243-270, © 2013 Springer Science+Business Media, New York, google scholar

ADCA21 BOLDIŠ, Vojtech - KOCIANOVÁ, Elena - ŠTRUS, J. - TUŠEK-ŽNIDARIČ, M. - SPARAGANO, O.A.E. - ŠTEFANIDESOVÁ, Katarína - ŠPITÁLSKA, Eva. Rickettsial agents in Slovakian ticks (Acarina, Ixodidae) and their ability to grow in vero and L929 cell lines. In *Annals of the New York Academy of Sciences*, 2008, vol. 1149 Animal Biodiversity and Emerging Diseases. Prediction and Prevention ., p. 281 - 285. (1.731 - IF2007). (2008 - Current Contents). ISSN 0077-8923.

Ohlasy:

1. [1.2] Melter, O. News on bartonella infections [Novinky v problematice bartonelových infekcií] Klinická Mikrobiológia a Infekční Lekarství Volume 19, Issue 2, 2013, Pages 36-44, SCOPUS

ADCA22 BORVÁK, Jozef - CHOU, C.S. - BELL, K. - DYKE, G. - ZOLA, H. - RAMILO, O. - VITETTA, E.S. Expression of CD25 defines PBMCs with productive vs latent HIV infection. In *Journal of immunology*, 1995, vol. 155, no. 6, p. 3196 - 3204. ISSN 0022-1767.

Ohlasy:

1. [1.1] Zack, Jerome A.; Kim, Sohn G.; Vatakis, Dimitrios N HIV restriction in quiescent CD4(+) T cells RETROVIROLOGY Volume: 10 Article Number: 37 DOI: 10.1186/1742-4690-10-37 Published: APR 4 2013, WOS

ADCA23 BREWER, C.A. - LIAO, S.Y. - WILCZYNSKI, S.P. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - ZÁVADA, Ján - KUROSAKI, T. - MANETTA, A. - BERMANN, M.L. - DISAIA, P.J. - STANBRIDGE, E.J. A study of biomarkers in cervical carcinoma and clinical correlation of the novel biomarker MN. In *Gynecologic Oncology*, 1996, vol. 63, no. 3, p. 337 - 344. (1.374 - IF1995). (1996 - Current Contents). ISSN 0090-8258.

Ohlasy:

1. [1.1] Rademakers, SE (Rademakers, Saskia E.)[1] ; Hoogsteen, IJ (Hoogsteen, Ilse J.)[1] ; Rijken, PF (Rijken, Paul F.)[1] ; Oosterwijk, E (Oosterwijk, Egbert)[2] ; Terhaard, CH (Terhaard, Chris H.)[3] ; Doornaert, PA (Doornaert, Patricia A.)[4] ; Langendijk, JA (Langendijk, Johannes A.)[5] ; van den Ende, P (van den Ende, Piet)[6] ; Takes, R (Takes, Robert)[7] ; De Bree, R (De Bree, Remco)[8] ; Van der Kogel, AJ (Van der Kogel, Albert J.)[1] ; Bussink, J (Bussink, Johan)[1] ; Kaanders, JH Pattern of CAIX expression is prognostic for outcome and predicts response to ARCON in patients with laryngeal cancer treated in a phase III randomized trial RADIOTHERAPY AND ONCOLOGY Volume: 108 Issue: 3 Pages: 517-522, 2013, WOS

ADCA24 BREZINA, Rudolf - KOVÁČOVÁ, Elena - KOVÁČ, P. Rickettsiae belonging to the spotted fever group from ticks in the Tribec mountains. In *Folia Parasitologica*, 1976, vol. 23, no. 1, p. 69 - 73. ISSN 0015-5683.

Ohlasy:

1. [1.2] Sekeyová, Z.a , Socolovschi, C.b, Špitalská, E.a, Kocianová, E.a, Boldiš, V.c, Quevedo Diaz, M.a, Berthová, L.a, Boháčsová, M.a, Valáriková, J.a, Edouard Fournier, P.b, Raoult, D. Update on Rickettsioses in Slovakia Acta Virologica Volume 57, Issue 2, 2013, Pages 180-199, SCOPUS

ADCA25 BUKRINSKY, M. - NOTTAT, H. - SCHMIDTMAYEROVÁ, Helena. Regulation of nitric oxide synthase activity in HIV-1 infected monocytes, implications for HIV - associated neurological disease. In *Journal of Experimental Medicine*, 1995, vol. 181, no. 2, p.735 - 745. ISSN 0022-1007.

Ohlasy:

1. [1.1] Uzasci, Lerna; Nath, Avindra; Cotter, Robert Oxidative Stress and the HIV-Infected Brain Proteome JOURNAL OF NEUROIMMUNE PHARMACOLOGY Volume: 8 Issue: 5 Pages: 1167-1180 Published: DEC 2013, WOS
2. [1.1] Babizhayev, Mark A. (markbabizhayev@mail.ru) ; Deyev, Anatoliy I.; Yegorov, Yegor E. Non-hydrolyzed in digestive tract and blood natural L-carnosine peptide ("bioactivated Jewish penicillin") as a panacea of tomorrow for various flu ailments: signaling activity attenuating nitric oxide (NO) production, cytostasis, and NO-dependent inhibition of influenza virus replication in macrophages in the human body infected with the virulent swine influenza A (H1N1) virus Journal of Basic and Clinical Physiology and Pharmacology Volume:24 Issue:1 Pages:1-26, 2013, WOS
3. [1.2] Jackson, M.J. Interactions between reactive oxygen species generated by contractile activity and aging in skeletal muscle? Antioxidants and Redox Signaling Volume 19, Issue 8, 10 September 2013, Pages 804-812, SCOPUS
4. [1.2] Zhou, L., Saksena, N.K. HIV associated neurocognitive disorders Infectious Disease Reports Volume 5, Issue SUPPL.1, 2013, Pages 38-50, SCOPUS

ADCA26 CAGNACCI, F. - BOLZONI, L. - ROSA, R. - CARPI, G. - HAUFFE, H.C. - VALENT, M. - TAGLIAPIETRA, V. - KAZIMÍROVÁ, Mária - KOČI, Juraj - STANKO, Michal - LUKAN, M. - HENTTONEN, H. - RIZZOLI, Annapaola. Effects of deer density on tick infestation of rodents and the hazard of tick-borne encephalitis. I: Empirical assessment. In *International Journal for Parasitology*, 2012, vol. 42, no. 4, p. 365–372. (3.393 - IF2011). (2012 - Current Contents). ISSN 0020-7519.

Ohlasy:

1. [1.1] Knap, N.- Avsic-Zupanc, Tatjana Correlation of TBE Incidence with Red Deer and Roe Deer Abundance in Slovenia PLOS ONE Volume: 8 Issue: 6 Article Number: e66380 DOI: 10.1371/journal.pone.0066380 Published: JUN 11 2013, WOS
2. [1.1] WEIDMANN, Manfred - FREY, Stefan - FREIRE, Caio C. M. - ESSBAUER, Sandra - RUZEK, Daniel - KLEMPA, Boris - ZUBRIKOVA, Dana - VOEGERL, Maria - PFEFFER, Martin - HUFERT, Frank T. - ZANOTTO, Paolo M. - DOBLER, Gerhard. Molecular phylogeography of tick-borne encephalitis virus in central Europe. In JOURNAL OF GENERAL VIROLOGY. ISSN 0022-1317; 1465-2099, SEP 2013, vol. 94, 9, p. 2129-2139., WOS
3. [1.1] JAMES, M. C. - BOWMAN, A. S. - FORBES, K. J. - LEWIS, F. - MCLEOD, J. E. - GILBERT, L. Environmental determinants of Ixodes ricinus ticks and the incidence of Borrelia burgdorferi sensu lato, the agent of Lyme borreliosis, in Scotland. In PARASITOLOGY. ISSN 0031-1820, FEB 2013, vol. 140, no. 2, p. 237-246., WOS

ADCA27 CALLEBAUT, I. - VONECHE, V. - MAGER, A. - FUMIERE, O. - KRCHŇÁK, V. - MERZA, M. - ZÁVADA, Ján - MAMMERICKX, M. - BURNY, A. - PORTETELLE, D. Mapping of B-neutralizing and T-helper cell epitopes on the bovine leukemia-virus external glycoprotein GP51. In *Journal of Virology*, 1993, vol. 67, no. 9, p. 5321 - 5327. (5.696 - IF1992). (1993 - Current Contents). ISSN 0022-538X.

Ohlasy:

1. [1.1] Lojkić, I.a , Balić, D.b, Rudan, N.c, Kovačic, M.d, Čač, Z.a, Periškić, M.b, Bedeković, T.a, Roić, B.a, Grozdanić, I.C.c Eradication of bovine leukosis virus on a dairy farm through improved virus detection [Iskorjenjivanje enzootske leukoze goveda na farmi mliječnih krava primjenom različitih dijagnostičkih postupaka] Veterinarski Arhiv Volume 83, Issue 6, 2013, Pages 581-591, SCOPUS

ADCA28 CECCHI, A. - HULÍKOVÁ, Alžbeta - PASTOREK, Jaromír - PASTOREKOVÁ, Silvia - SCOZZAFAVA, A. - WINUM, J.Y. - MONTERO, J.L. - SUPURAN, C.T. Carbonic anhydrase inhibitors. Design of fluorescent sulfonamides as probes of tumor-associated carbonic anhydrase IX that inhibit isozyme IX-mediated acidification of hypoxic tumors. In *Journal of medicinal chemistry*. - Easton (Washington) : American Chemical Society, 2005, vol. 48, no.15, p.4834-4841. (5.076 - IF2004). (2005 - Current Contents). ISSN 0022-2623.

Ohlasy:

1. [1.1] Wang, ZC (Wang, Zhong-Chang)[1] ; Qin, YJ (Qin, Ya-Juan)[1] ; Wang, PF (Wang, Peng-Fei)[1] ; Yang, YA (Yang, Yong-An)[1] ; Wen, Q (Wen, Qing)[1] ; Zhang, X (Zhang, Xin)[1] ; Qiu, HY (Qiu, Han-Yue)[1] ; Duan, YT (Duan, Yong-Tao)[1] ; Wang, YT (Wang, Yan-Ting)[1] ; Sang, YL (Sang, Ya-Li)[1] ; Zhu, HL Sulfonamides containing coumarin moieties selectively and potently inhibit carbonic anhydrases II and IX: Design, synthesis, inhibitory activity and 3D-QSAR analysis EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY Volume: 66 Pages: 1-11, 2013, WOS
2. [1.1] Dudutiene, V (Dudutiene, Virginija)[1] ; Zubriene, A (Zubriene, Asta)[1] ; Smirnov, A (Smirnov, Alexey)[1] ; Gylyte, J (Gylyte, Joana)[1] ; Timm, D (Timm, David)[1] ; Manakova, E (Manakova, Elena)[2] ; Grazulis, S (Grazulis, Saulius)[2] ; Matulis, D 4-Substituted-2,3,5,6-tetrafluorobenzenesulfonamides as inhibitors of carbonic anhydrases I, II, VII, XII, and XIII BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 7 Pages: 2093-2106, 2013, WOS
3. [1.1] Gieling, Roben G.; Williams, Kaye J. Carbonic anhydrase IX as a target for metastatic disease BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1470-1476 Published: MAR 15 2013, WOS
4. [1.1] Aggarwal, Mayank; Kondeti, Bhargav; McKenna, Robert Insights towards sulfonamide drug specificity in alpha-carbonic anhydrases BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1526-1533 Published: MAR 15 2013, WOS
5. [1.1] Lu, GL (Lu, Genliang)[1] ; Hillier, SM (Hillier, Shawn M.)[1] ; Maresca, KP (Maresca, Kevin P.)(1] ; Zimmerman, CN (Zimmerman, Craig N.)(1] ; Eckelman, WC (Eckelman, William C.)(1] ; Joyal, JL (Joyal, John L.)(1] ; Babich, JW Synthesis and SAR of Novel Re/Tc-99m-Labeled Benzenesulfonamide Carbonic Anhydrase IX Inhibitors for Molecular Imaging of Tumor Hypoxia JOURNAL OF MEDICINAL CHEMISTRY Volume: 56 Issue: 2 Pages: 510-520, 2013, WOS

ADCA29 CIANCHI, F. - VINCI, M.C. - SUPURAN, C.T. - PERUZZI, B. - DE GIULI, P. - FASOLIS, G. - PERIGLI, G. - PASTOREKOVÁ, Silvia - PAPUCCI, L. - PINI, A. - MASINI, E. - PUC CETTI, L. Selective inhibition of carbonic anhydrase IX decreases cell proliferation and induces ceramide-mediated apoptosis in human cancer cells. In *Journal of Pharmacology and Experimental Therapeutics*, 2010, vol. 34, no. 3, p. 710 - 719. (4.093 - IF2009). (2010 - Current Contents). ISSN 0022-3565.

Ohlasy:

1. [1.1] Sheng, WW (Sheng, Weiwei)[1] ; Dong, M (Dong, Ming)[1] ; Zhou, JP (Zhou, Jianping)[1] ; Li, X (Li, Xin)[1] ; Dong, Q Down regulation of CAII is associated with tumor differentiation and poor prognosis in patients with pancreatic cancer JOURNAL OF SURGICAL ONCOLOGY Volume: 107 Issue: 5 Pages: 536-543, 2013, WOS
2. [1.1] Aggarwal, M (Aggarwal, Mayank)[1] ; Boone, CD (Boone, Christopher D.)(1] ; Kondeti, B (Kondeti, Bhargav)[1] ; McKenna, R Structural annotation of human carbonic anhydrases JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY Volume: 28 Issue: 2 Pages: 267-277, 2013, WOS
3. [1.1] Aggarwal, Mayank; Kondeti, Bhargav; McKenna, Robert Insights towards sulfonamide drug specificity in alpha-carbonic anhydrases BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1526-1533 Published: MAR 15 2013, WOS
4. [1.1] Mokhtari, R.B.ac , Kumar, S.b , Islam, S.S.d , Yazdanpanah, M.c , Adeli, K.acd , Cutz, E.ace , Yeger, H. Combination of carbonic anhydrase inhibitor, acetazolamide, and sulforaphane, reduces the viability and growth of bronchial carcinoid cell lines BMC Cancer Volume 13, 8 August 2013, Article number 378, SCOPUS

ADCA30 COHEN, P. - SCHMIDTMAYEROVÁ, Helena - DENNIS, J. - DUBROVSKÝ, L. - WANG, H. - BUKRINSKY, M. - TRACEY, K.J. The critical role of p38 MAP kinase in T cell HIV-1 replication. In *Molecular Medicine*, 1997, vol.3, no. 5, p. 339 - 346. ISSN 1076-01551.

Ohlasy:

1. [1.1] Tan, JY (Tan, Jiying)[1] ; Wang, X (Wang, Xue)[1] ; Devadas, K (Devadas, Krishnakumar)[1] ; Zhao, JQ (Zhao, Jiangqin)[1] ; Zhang, PH (Zhang, Panhe)[1] ; Hewlett, I Some Mechanisms of FLIP Expression in Inhibition of HIV-1 Replication in Jurkat Cells, CD4+T Cells and PBMCs JOURNAL OF CELLULAR PHYSIOLOGY Volume: 228 Issue: 12 Pages: 2305-2313, 2013, WOS

ADCA31 DANCHENKO, Maksym - ŠKULTÉTY, Ľudovít - RASHYDOV, Namik M. - BEREZHNA, Valentyna V. - MÁTEL, Ľubomír - SALAJ, Terézia - PREŤOVÁ, Anna - HAJDUCH, Martin. Proteomic analysis of mature soybean seeds from the Chernobyl area suggests plant adaptation to the contaminated environment. In *Journal of Proteome Research*, 2009, vol. 8, no. 6, p. 2915-2922. (5.684 - IF2008). (2009 - Current Contents). ISSN 1535-3893.

Ohlasy:

1. [1.2] Koedrith, P., Kim, H., Weon, J.-I., Seo, Y.R. Toxicogenomic approaches for understanding molecular mechanisms of heavy metal mutagenicity and carcinogenicity International Journal of Hygiene and Environmental Health 216 (5) , pp. 587-598 , 2013, SCOPUS
2. [1.2] Møller, A.P., Mousseau, T.A. The effects of natural variation in background radioactivity on humans, animals and other organisms Biological Reviews 88 (1) , pp. 226-254 , 2013, SCOPUS
3. [1.1] Natarajan, S (Natarajan, Savithiry)[1] ; Luthria, D (Luthria, Devanand)[2] ; Bae, H (Bae, Hanhong)[3] ; Lakshman, D (Lakshman, Dilip)[4] ; Mitra, A (Mitra, Amitava)[5] Transgenic Soybeans and Soybean Protein Analysis: An Overview JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY Volume: 61 Issue: 48 Pages: 11736-11743, 2013, WOS

ADCA32 DAS, S.R. - HENSLEY, S.E. - INCE, W.L. - BROOKE, C.B. - SUBBA, A. - DELBOY, M.G. - RUSS, Gustáv - GIBBS, J.S. - BENNINK, J.R. - YEWDELL, J.W. Defining influenza A virus hemagglutinin antigenic drift by sequential monoclonal antibody selection. In *Cell host & microbe*, 2013, vol. 13, no.3, p. 314-323. (12.609 - IF2012). (2013 - Current Contents). ISSN 1931-3128.

Ohlasy:

1. [1.1] Machiels, B.a, Stevenson, P.G.b, Vanderplasschen, A.a, Gillet, L.A Gammaherpesvirus Uses Alternative Splicing to Regulate Its Tropism and Its Sensitivity to Neutralization PLoS Pathogens Volume 9, Issue 10, October 2013, Article number e1003753, WOS

ADCA33 DECROOCQ, V. - SALVADOR, B. - SICARD, O. - GLASA, Miroslav - COSSON, P. - SVANELLA-DUMAS, L. - REVERS, F. - GARCIA, J.A. - CANDRESSE, T. The determinant of Potyvirus ability to overcome the RTM resistance of Arabidopsis thaliana maps to the N-Terminal region of the coat protein. In *Molecular Plant-Microbe Interactions*, 2009, vol. 22, no. 10, p. 1302-1311. (4.136 - IF2008). (2009 - Current Contents). ISSN 0894-0282.

Ohlasy:

1. [1.1] Sugawara, K (Sugawara, Kyoko)[1] ; Shiraishi, T (Shiraishi, Takuya)[1] ; Yoshida, T (Yoshida, Tetsuya)[1] ; Fujita, N (Fujita, Naoko)[1] ; Netsu, O (Netsu, Osamu)[1] ; Yamaji, Y (Yamaji, Yasuyuki)[1] ; Namba, S (Namba, Shigetou)[1] A Replicase of Potato virus X Acts as the Resistance-Breaking Determinant for JAX1-Mediated Resistance MOLECULAR PLANT-MICROBE INTERACTIONS Volume: 26 Issue: 9 Pages: 1106-1112 DOI: 10.1094/MPMI-04-13-0094-R Published: SEP 2013, WOS
2. [1.1] Park, Mi-Ri; Kim, Kook-Hyung Molecular characterization of the interaction between the N-terminal region of Potato virus X (PVX) coat protein (CP) and Nicotiana benthamiana PVX CP-interacting protein, NbPCIP1 VIRUS GENES Volume: 46 Issue: 3 Pages: 517-523 DOI: 10.1007/s11262-013-0896-0 Published: JUN 2013, WOS
3. [1.1] Mandadi, Kranthi K.; Scholthof, Karen-Beth G. Plant Immune Responses Against Viruses: How Does a Virus Cause Disease? PLANT CELL Volume: 25 Issue: 5 Pages: 1489-1505 DOI: 10.1105/tpc.113.111658 Published: MAY 2013, WOS
4. [1.1] Contreras-Paredes, CA (Contreras-Paredes, Carlos A.)[1] ; Silva-Rosales, L (Silva-Rosales,

Laura)[2] ; Daros, JA (Daros, Jose-Antonio)[3] ; Alejandri-Ramirez, ND (Alejandri-Ramirez, Naholi D.)([1] ; Dinkova, TD (Dinkova, Tzvetanka D.)([1] The Absence of Eukaryotic Initiation Factor eIF(iso)4E Affects the Systemic Spread of a Tobacco etch virus Isolate in Arabidopsis thaliana MOLECULAR PLANT-MICROBE INTERACTIONS Volume: 26 Issue: 4 Pages: 461-470 DOI: 10.1094/MPMI-09-12-0225-R Published: APR 2013, WOS

5. [1.1] Ouibrahim, Laurence; Caranta, Carole Exploitation of natural genetic diversity to study plant-virus interactions: what can we learn from Arabidopsis thaliana? MOLECULAR PLANT PATHOLOGY Volume: 14 Issue: 8 Pages: 844-854 Published: OCT 2013, WOS

6. [1.1] Carbonell, A (Carbonell, Alberto)[1] ; Maliogka, VI (Maliogka, Varvara I.)([1] ; Perez, JD (de Jesus Perez, Jose)([1] ; Salvador, B (Salvador, Beatriz)([1] ; San Leon, D (San Leon, David)([1] ; Garcia, JA (Antonio Garcia, Juan)([1] ; Simon-Mateo, C (Simon-Mateo, Carmen) Diverse Amino Acid Changes at Specific Positions in the N-Terminal Region of the Coat Protein Allow Plum pox virus to Adapt to New Hosts MOLECULAR PLANT-MICROBE INTERACTIONS Volume: 26 Issue: 10 Pages: 1211-1224, 2013, WOS

7. [1.2] Wang, A. Molecular isolation and functional characterization of host factors required in the virus infection cycle for disease control in plants CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources 8 2013, SCOPUS

8. [1.2] Mandadi, K.K., Scholthof, K.-B.G. Plant immune responses against viruses: How does a virus cause disease? Plant Cell 25 (5) , pp. 1489-1505, 2013, SCOPUS

ADCA34 DELI, M.A. - SAKAGUCHI, S. - NAKAOKE, R. - ÁBRAHÁM, C.S. - TAKAHATA, K. - KOPÁČEK, Juraj - SHIGEMATSU, K. - KATAMINE, S. - NIWA, M. PrP fragment 106-126 is toxic to cerebral endothelial cells expressing PrPc. In *Neuroreport*, 2000, vol. 11, no. 17, p. 3931-3936. (2.682 - IF1999).

Ohlasy:

1. [1.1] Winkler, CW (Winkler, Clayton W.)([1] ; Foster, SC (Foster, Scott C.)([1] ; Itakura, A (Itakura, Asako)([2] ; Matsumoto, SG (Matsumoto, Steven G.)([1,3] ; Asari, A (Asari, Akira)([4] ; McCarty, OJT (McCarty, Owen J. T.)([2] ; Sherman, LS Hyaluronan oligosaccharides perturb lymphocyte slow rolling on brain vascular endothelial cells: Implications for inflammatory demyelinating disease MATRIX BIOLOGY Volume: 32 Issue: 3-4 Pages: 160-168, 2013, WOS

ADCA35 DELLACASAGRANDE, J. - GHIGO, E. - MACHERGUI-EL HAMMAMI, S. - TOMAN, Rudolf - RAOULT, D. - CAPO, C. - MEGE, J.L. Alpha /v/ beta /3/ integrin and bacterial lipopolysaccharide are involved in Coxiella burnetii- stimulates production of tumor necrosis factor by human monocytes. In *Infection and Immunity*, 2000, vol. 68, p. 5673-5678. (4.184 - IF1999). (2000 - Current Contents). ISSN 0019-9567.

Ohlasy:

1. [1.2] Van Schaik, E.J.a, Chen, C.a, Mertens, K.ab, Weber, M.M.a, Samuel, J.E. Molecular pathogenesis of the obligate intracellular bacterium Coxiella burnetii Nature Reviews Microbiology Volume 11, Issue 8, August 2013, Pages 561-573, SCOPUS

2. [1.2] Criscitiello, M.F.ab , Dickman, M.B.cd, Samuel, J.E.e, de Figueiredo, P Tripping on Acid: Trans-Kingdom Perspectives on Biological Acids in Immunity and Pathogenesis PLoS Pathogens Volume 9, Issue 7, July 2013, Article number e1003402, SCOPUS

3. [1.2] Ahmed, R.G.a, Davis, P.J.b, Davis, F.B.b, de Vito, P.c, Farias, R.N.d, Luly, P.c, Pedersen, J.Z.c, Incerpi, S Nongenomic actions of thyroid hormones: From basic research to clinical applications. an update Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry Volume 13, Issue 1, 2013, Pages 46-59, SCOPUS

ADCA36 DERDÁKOVÁ, Markéta - ŠTEFANČÍKOVÁ, Astéria - ŠPITÁLSKA, Eva - TARAGEL'OVÁ, Veronika - KOŠTÁLOVÁ, T. - HRKLOVÁ, G. - KYBICOVÁ, K. - SCHÁNILEC, P. - MAJLÁTHOVÁ, Viktória - VÁRADY, Marián - PEŤKO, Branislav. Emergence and genetic variability of Anaplasma species in small ruminants and ticks from Central Europe. In *Veterinary Microbiology*, 2011, vol. 153, no. 3-4, p. 293 - 298. (3.256 - IF2010). (2011 - Current Contents). ISSN 0378-1135.

Ohlasy:

1. [1.1] SANDOR, Hornok - JENO, Szetag - BALAZS, Tanczos - ROBERT, Farkas. First detection of anaplasmosis in sheep in Hungary, causing death. In MAGYAR ALLATORVOSOK LAPJA. ISSN 0025-

004X, NOV 2013, vol. 135, no. 11, p. 655-659., WOS

2. [1.1] STUEN, Snorre - GRANQUIST, Erik G. - SILAGHI, Cornelia. Anaplasma phagocytophilum-a widespread multi-host pathogen with highly adaptive strategies. In FRONTIERS IN CELLULAR AND INFECTION MICROBIOLOGY. ISSN 2235-2988, JUL 2013, vol. 3., WOS

3. [1.1] STUEN, Snorre - PETTERSEN, Kristin Saebo - GRANQUIST, Erik Georg - BERGSTROM, Karin - BOWN, Kevin John - BIRTLES, Richard John. Anaplasma phagocytophilum variants in sympatric red deer (Cervus elaphus) and sheep in southern Norway. In TICKS AND TICK-BORNE DISEASES. ISSN 1877-959X, 2013, vol. 4, no. 3, p. 197-201., WOS

ADCA37 DITTE, Peter - DEQUIEDT, F. - ŠVASTOVÁ, Eliška - HULÍKOVÁ, Alžbeta - OHRAĐANOVÁ, Anna - ZAŤOVIČOVÁ, Miriam - CSÁDEROVÁ, Lucia - KOPÁČEK, Juraj - SUPURAN, C.T. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír. Phosphorylation of carbonic anhydrase IX control its ability to mediate extracellular acidification in hypoxic tumors. In *Cancer Research*, 2011, vol. 71, no. 24, p. 7558 - 7567. (8.234 - IF2010). (2011 - Current Contents). ISSN 0008-5472.

Ohlasy:

1. [1.1] An Cai-Yan; Bao Liang; Alatan, Gaole Extracellular Acidification and Tumor Invasion and Metastasis Zhongguo Shengwu Huaxue yu Fenzi Shengwu Xuebao Volume: 29 Issue: 10 Pages: 926-931 Published: OCT 2013, WOS

2. [1.1] Parker, Mark D.; Boron, Walter F. THE DIVERGENCE, ACTIONS, ROLES, AND RELATIVES OF SODIUM-COUPLED BICARBONATE TRANSPORTERS PHYSIOLOGICAL REVIEWS Volume: 93 Issue: 2 Pages: 803-959 Published: APR 2013, WOS

3. [1.1] Oerlecke, I (Oerlecke, Ilka)[1] ; Bauer, E (Bauer, Elke)[1] ; Dittmer, A (Dittmer, Angela)[1] ; Leyh, B (Leyh, Benjamin)[1] ; Dittmer, J Cyclic AMP Enhances TGF beta Responses of Breast Cancer Cells by Upregulating TGF beta Receptor I Expression PLOS ONE Volume: 8 Issue: 1, Article Number: e54261, 2013, WOS

4. [1.2] Aggarwal, M.a, Kovalevsky, A.b, McKenna, R.a, Silverman, D.c, Fisher, Z. Neutron protein crystallography reveals unique details of clinical drug binding to a human target enzyme Neutron News Volume 24, Issue 4, October 2013, Pages 20-23, SCOPUS

5. [1.2] Fisher, Z. Neutron crystallography contributes to drug design American Laboratory Volume 45, Issue 3, March 2013, Pages 28-31, SCOPUS

ADCA38 DORAI, T. - SAWCZUK, I. - WIERNIK, Peter H. - PASTOREK, Jaromír - DUTCHER, J.P. Role of Carbonic Anhydrases in the Progression of Renal Cell Carcinoma Subtypes: Proposal of a Unified Hypothesis. In *Cancer Investigation*, 2006, vol. 24, p. 754-779. (2.390 - IF2005). (2006 - Current Contents). ISSN 0735-7907.

Ohlasy:

1. [1.1] Aggarwal, M (Aggarwal, Mayank)[1] ; Kondeti, B (Kondeti, Bhargav)[1] ; McKenna, R Insights towards sulfonamide drug specificity in alpha-carbonic anhydrases BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1526-1533, 2013, WOS

ADCA39 DORAI, T. - SAWCZUK, I.C. - PASTOREK, Jaromír - WIERNIK, P.H. - DUTCHER, J.P. The role of carbonic anhydrase IX overexpression in kidney cancer. In *European Journal of Cancer*, 2005, vol. 41, no. 18, p. 2935-2947. (3.302 - IF2004). ISSN 0959-8049.

Ohlasy:

1. [1.1] El-Heliebi, A (El-Heliebi, Amin)[1] ; Kroneis, T (Kroneis, Thomas)[1] ; Zohrer, E (Zoeherer, Evelyn)[1] ; Haybaeck, J (Haybaeck, Johannes)[2] ; Fischereder, K (Fischereder, Katja)[3] ; Kampel-Kettner, K (Kampel-Kettner, Karin)[3] ; Zigeuner, R (Zigeuner, Richard)[3] ; Pock, H (Pock, Hannelore)[4] ; Riedl, R (Riedl, Regina)[5] ; Stauber, R (Stauber, Rudolf)[4] ; Geigl, JB (Geigl, Jochen Bernd)[6] ; Huppertz, B (Huppertz, Berthold)[1] ; Sedlmayr, P (Sedlmayr, Peter)[1] ; Lackner, C Are morphological criteria sufficient for the identification of circulating tumor cells in renal cancer? JOURNAL OF TRANSLATIONAL MEDICINE Volume: 11, Article Number: 214, 2013, WOS

2. [1.1] Monti, Simona Maria; Supuran, Claudiu T.; De Simone, Giuseppina Anticancer carbonic anhydrase inhibitors: a patent review (2008-2013) EXPERT OPINION ON THERAPEUTIC PATENTS

Volume: 23 Issue: 6 Pages: 737-749 Published: JUN 2013, WOS

3. [1.1] Wu, DL (Wu, Donglu)[1,2] ; Zhang, R (Zhang, Rui)[1,2] ; Zhao, R (Zhao, Rui)[1,2] ; Chen, G (Chen, Guang)[3] ; Cai, Y (Cai, Yong)[1,4] ; Jin, JJ A Novel Function of Novobiocin: Disrupting the Interaction of HIF 1 alpha and p300/CBP through Direct Binding to the HIF1 alpha C-Terminal Activation Domain PLOS ONE Volume: 8 Issue: 5, 2013, WOS

4. [1.1] Gieling, Roben G.; Williams, Kaye J. Carbonic anhydrase IX as a target for metastatic disease BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1470-1476 Published: MAR 15 2013, WOS

5. [1.1] Hassan, MI (Hassan, Md Imtaiyaz)[1,3] ; Shajee, B (Shajee, Bushra)[2] ; Waheed, A (Waheed, Abdul)[3] ; Ahmad, F (Ahmad, Faizan)[1] ; Sly, WS Structure, function and applications of carbonic anhydrase isozymes BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1570-1582, 2013, WOS

6. [1.2] Wu, D.ab, Zhang, R.ab, Zhao, R.ab, Chen, G.c, Cai, Y.ad , Jin, J. A Novel Function of Novobiocin: Disrupting the Interaction of HIF 1 α and p300/CBP through Direct Binding to the HIF1 α C-Terminal Activation Domain PLoS ONE Volume 8, Issue 5, 6 May 2013, Article number e62014, SCOPUS

ADCA40 DRAGÚŇOVÁ, Jana - KABÁT, Peter - KOLLER, J. Skin explant cultures as a source of keratinocytes for cultivation. In *Cell and Tissue Banking*, 2013, vol. 14, p. 317 - 324. (1.171 - IF2012). ISSN 1389-9333.

Ohlasy:

1. [1.1] Peramo, A., Feinberg, S.E., Marcelo, C.L. characterization of cultured epithelial cells using a novel technique not requiring enzymatic digestion for subculturing (2013) *Cell and Tissue Banking*, 14 (3), pp. 423-435., WOS

ADCA41 DRIESCHE VAN DEN, S. - WITARSKI, Wojciech - PASTOREKOVÁ, Silvia - VELLEKOOP, M.J. A quadruple wavelength IR sensor system for label-free tumour screening. In *Measurement Science and Technology*, 2009, vol. 20, no. 12, p. 1 - 7. (1.493 - IF2008). (2009 - Current Contents). ISSN 0957-0233.

Ohlasy:

1. [1.1] Adato, Ronen; Altug, Hatice In-situ ultra-sensitive infrared absorption spectroscopy of biomolecule interactions in real time with plasmonic nanoantennas NATURE COMMUNICATIONS Volume: 4 Article Number: 2154 Published: JUL 2013, WOS

ADCA42 DRIESSEN, A. - LANDUYT, W. - PASTOREKOVÁ, Silvia - MOONS, J. - GOETHALS, L. - HAUSTERMANS, K. - NAFTEUX, P. - PENNINCKX, F. - GEBOES, K. - LERUT, T. - ECTORS, N. Expression of carbonic anhydrase IX (CA IX), a Hypoxia-Related protein , rather than vascular-endothelial growth factor (VEGF), a pro-angiogenic factor, correlates with an extremely poor prognosis in esophageal and gastric adenocarcinomas. In *Annals of Surgery*, 2006, vol. 243, no. 3, p. 334 - 340. (7.474 - IF2005). ISSN 0003-4932.

Ohlasy:

1. [1.1] Fidan, E (Fidan, Evren)[1] ; Mentese, A (Mentese, Ahmet)[2] ; Ozdemir, F (Ozdemir, Feyyaz)[3] ; Deger, O (Deger, Orhan)[2] ; Kavgaci, H (Kavgaci, Halil)[3] ; Karahan, SC (Karahan, S. Caner)[2] ; Aydin, F Diagnostic and prognostic significance of CA IX and suPAR in gastric cancer MEDICAL ONCOLOGY Volume: 30 Issue: 2, 2013, WOS

2. [1.1] Jung, JH (Jung, Ji-Han)[1] ; Im, S (Im, Soyoung)[1] ; Jung, ES (Jung, Eun Sun)[2] ; Kang, CS Clinicopathological Implications of the Expression of Hypoxia-related Proteins in Gastric Cancer INTERNATIONAL JOURNAL OF MEDICAL SCIENCES Volume: 10 Issue: 9 Pages: 1217-1223, 2013, WOS

ADCA43 DUBOIS, L. - DOUMA, K. - SUPURAN, C - CHIU, R.K. - ZANDVOORT, M.A. van - PASTOREKOVÁ, Silvia - SCOZZAFAVA, A. - WOUTERS, B.G. - LAMBIN, P. Imaging the hypoxia surrogate marker CA IX requires expression and catalytic activity for binding fluorescent sulfonamide inhibitors. In *Radiotherapy and Oncology*, 2007, vol. 83, no. 3, p. 367-373. (3.970 - IF2006). (2007 - Current Contents).

Ohlasy:

1. [1.1] Lu, GL (Lu, Genliang)[1] ; Hillier, SM (Hillier, Shawn M.)[1] ; Maresca, KP (Maresca, Kevin

P.][1] ; Zimmerman, CN (Zimmerman, Craig N.)[1] ; Eckelman, WC (Eckelman, William C.)[1] ; Joyal, JL (Joyal, John L.)[1] ; Babich, JW Synthesis and SAR of Novel Re/Tc-99m-Labeled Benzenesulfonamide Carbonic Anhydrase IX Inhibitors for Molecular Imaging of Tumor Hypoxia JOURNAL OF MEDICINAL CHEMISTRY Volume: 56 Issue: 2 Pages: 510-520, 2013, WOS

ADCA44 DUBSKÁ, Elena - LITERÁK, I. - KVEREK, P. - ROUBALOVÁ, Eva - KOČIANOVÁ, Elena - TARAGEL'OVÁ, Veronika. Tick borne zoonotic pathogens in ticks feeding on the common nightingale including a novel strain of Rickettsia sp. In *Ticks and Tick-Borne Diseases*, 2012, vol. 3, p. 265 - 268. (2.370 - IF2011). (2012 - Current Contents). ISSN 1877-959X.

Ohlasy:

1. [1.1] Parola, P (Parola, Philippe)[1] ; Paddock, CD (Paddock, Christopher D.)[2] ; Socolovschi, C (Socolovschi, Cristina)[1] ; Labruna, MB (Labruna, Marcelo B.)[3] ; Mediannikov, O (Mediannikov, Oleg)[1] ; Kernif, T (Kernif, Tahar)[4] ; Abdad, MY (Abdad, Mohammad Yazid)[5] ; Stenos, J (Stenos, John)[5] ; Bitam, I (Bitam, Idir)[6] ; Fournier, PE (Fournier, Pierre-Edouard)[1] ; Raoult, D Update on Tick-Borne Rickettsioses around the World: a Geographic Approach CLINICAL MICROBIOLOGY REVIEWS Volume: 26 Issue: 4 Pages: 657-702, 2013, WOS
2. [1.1] Stuen, S (Stuen, Snorre)[1] ; Granquist, EG (Granquist, Erik G.)[2] ; Silaghi, C (Silaghi, Cornelia) Anaplasma phagocytophilum-a widespread multi-host pathogen with highly adaptive strategies FRONTIERS IN CELLULAR AND INFECTION MICROBIOLOGY Volume: 3, Article Number: UNSP 31, 2013, WOS
3. [1.2] Bakr, A.A.a, Gaber, H.S.M.b, Hamid, M.M.A.a, Senbill, H.A. Ultrastructure and populational ratios of hemocytes of the brown dog tick, Rhipicephalus sanguineus (Latreille) (Ixodoidea, Ixodidae) Research Journal of Parasitology Volume 8, Issue 2, 2013, Pages 64-70, 2013, SCOPUS

ADCA45 DUBSKÁ, Lenka - LITERÁK, I. - KOČIANOVÁ, Elena - TARAGEL'OVÁ, Veronika - SYCHRA, O. Differential role of passerine birds in distribution of Borrelia Spirochetes based on data from ticks collected from birds during the postbreeding migration period in Central Europe. In *Applied and Environmental Microbiology*, 2009, vol. 75, no. 3, p. 596-602. (3.801 - IF2008). (2009 - Current Contents). ISSN 0099-2240.

Ohlasy:

1. [1.2] Bona, M.a , Stanko, M. First records of the tick Ixodes frontalis (Panzer, 1795) (Acari, Ixodidae) in Slovakia Ticks and Tick-borne Diseases Volume 4, Issue 6, December 2013, Pages 478-481, SCOPUS
2. [1.1] Margos, G.abc , Wilske, B.d, Sing, A.bc, Hizo-Teufel, C.b, Cao, W.-C.e, Chu, C.f, Scholz, H.g, Straubinger, R.K.a, Fingerle, V. Borrelia bavariensis sp. nov. is widely distributed in Europe and Asia International Journal of Systematic and Evolutionary Microbiology Volume 63, Issue PART 11, November 2013, Pages 4284-4288, WOS
3. [1.1] Heylen, D.a , Adriaensen, F.a, Van Dongen, S.a, Sprong, H.b, Matthysen, E. Ecological factors that determine Ixodes ricinus tick burdens in the great tit (Parus major), an avian reservoir of Borrelia burgdorferi s.l. International Journal for Parasitology Volume 43, Issue 8, July 2013, Pages 603-611, WOS
4. [1.1] Geller, J.ab, Nazarova, L.ab, Katargina, O.a, Levits, A.c, Järvekülg, L.b, Golovljova, I. Tick-borne pathogens in ticks feeding on migratory passerines in western part of Estonia Vector-Borne and Zoonotic Diseases Volume 13, Issue 7, 1 July 2013, Pages 443-448, WOS
5. [1.1] Norte, A.C.ab , Lobato, D.N.C.c, Braga, E.M.d, Antonini, Y.c, Lacorte, G.d, Gonçalves, M.a, Lopes De Carvalho, I.b, Gern, L.e, Nuncio, M.S.b, Ramos, J.A.a Do ticks and Borrelia burgdorferi s.l. constitute a burden to birds? Parasitology Research Volume 112, Issue 5, May 2013, Pages 1903-1912, WOS
6. [1.1] Scholz, H.C.a , Margos, G.g, Derschum, H.b, Speck, S.b, Tserennorov, D.c, Erdenebat, N.d, Undraa, B.c, Enkhtuja, M.c, Battsetseg, J.c, Otgonchimeg, C.d, Otgonsuren, G.d, Nymadulam, B.d, Römer, A.e, Thomas, A.a, Essbauer, S.b, Wölfel, R.f, Kiefer, D.e, Zöller, L.a, Otgonbaatar, D.c, Fingerle, V. High prevalence of genetically diverse Borrelia bavariensis-like strains in Ixodes persulcatus from Selenge Aimag, Mongolia Ticks and Tick-borne Diseases Volume 4, Issue 1-2, February 2013, Pages 89-92, WOS
7. [1.1] Franke, J.a , Hildebrandt, A.b, Dorn, W. Exploring gaps in our knowledge on Lyme

borreliosis spirochaetes - Updates on complex heterogeneity, ecology, and pathogenicity Ticks and Tick-borne Diseases Volume 4, Issue 1-2, February 2013, Pages 11-25, WOS

8. [1.1] Norte, A.C.ab , Ramos, J.A.a, Gern, L.c, Nuncio, M.S.b, Lopes de Carvalho, I. Birds as reservoirs for *Borrelia burgdorferi* s.l. in Western Europe: Circulation of *B.turdi* and other genospecies in bird-tick cycles in Portugal Environmental Microbiology Volume 15, Issue 2, February 2013, Pages 386-397, WOS

9. [1.1] Heylen, D.a , Tijssse, E.b, Fonville, M.b, Matthysen, E.a, Sprong, H. Transmission dynamics of *Borrelia burgdorferi* s.l. in a bird tick community Environmental Microbiology Volume 15, Issue 2, February 2013, Pages 663-673, WOS

10. [3] Armon, Robert; Cheruti, Uta Bacterial Zoonoses Book Author(s): Armon, R; Cheruti, U ENVIRONMENTAL ASPECTS OF ZOONOTIC DISEASES Pages: 29-+ Published: 2013

ADCA46 DUBSKÁ, Lenka - LITERÁK, I. - KOČIANOVÁ, Elena - RUSŇÁKOVÁ - TARAGĽOVÁ, Veronika - SVERAKOVA, Veronika - SYCHRA, O. - HROMADKO, Miroslav. Synanthropic Birds Influence the Distribution of *Borrelia* Species: Analysis of *Ixodes ricinus* Ticks Feeding on Passerine Birds. In *Applied and Environmental Microbiology*, 2011, vol. 77, no. 3, p. 1115 - 1117. (3.778 - IF2010). (2011 - Current Contents). ISSN 0099-2240.

Ohlasy:

1. [1.2] Norte, A.C.ab , Lopes de Carvalho, I.b, Nuncio, M.S.b, Ramos, J.A.a, Gern, L. Blackbirds *Turdus merula* as competent reservoirs for *Borrelia turdi* and *Borrelia valaisiana* in Portugal: Evidence from a xenodiagnostic experiment Environmental Microbiology Reports Volume 5, Issue 4, August 2013, Pages 604-607, SCOPUS

2. [1.1] Norte, A.C.ab , Lobato, D.N.C.c, Braga, E.M.d, Antonini, Y.c, Lacorte, G.d, Gonçalves, M.a, Lopes De Carvalho, I.b, Gern, L.e, Nuncio, M.S.b, Ramos, J.A. Do ticks and *Borrelia burgdorferi* s.l. constitute a burden to birds? Parasitology Research Volume 112, Issue 5, May 2013, Pages 1903-1912, WOS

3. [1.1] Hornok, S.a , Csörgo, T.bc, De La Fuente, J.de, Gyuranecz, M.f, Privigyei, C.c, Meli, M.L.g, Kreizinger, Z.f, Gönczi, E.g, Fernández De Mera, I.G.dh, Hofmann-Lehmann, R Synanthropic Birds Associated with High Prevalence of Tick-Borne Rickettsiae and with the First Detection of *Rickettsia aeschlimannii* in Hungary Vector-Borne and Zoonotic Diseases Volume 13, Issue 2, 1 February 2013, Pages 77-83, WOS

4. [1.1] Norte, A.C.ab , Ramos, J.A.a, Gern, L.c, Nuncio, M.S.b, Lopes de Carvalho, I. Birds as reservoirs for *Borrelia burgdorferi* s.l. in Western Europe: Circulation of *B.turdi* and other genospecies in bird-tick cycles in Portugal Environmental Microbiology Volume 15, Issue 2, February 2013, Pages 386-397, WOS

ADCA47 DZAGUROVA, T.K. - WITKOWKI, P.T. - TKACHENKO, E.A. - KLEMPA, Boris - MOROZOV, V.G. - AUSTE, B. - ZAVORA, D.L. - IUNICHEVA, I.V. - MUNITH, E.S. - KRUGER, D.H. Isolation of Sochi Virus from a Fatal Case of Hantavirus Disease with Fulminant Clinical Course. In *Clinical Infectious Diseases*, 2012, vol. 54, no. 1, p. e1 - 4. (9.154 - IF2011). (2012 - Current Contents). ISSN 1058-4838.

Ohlasy:

1. [1.1] Vaheri, A (Vaheri, Antti)[1,2,3] ; Henttonen, H (Henttonen, Heikki)[4] ; Voutilainen, L (Voutilainen, Liina)[1,2,4] ; Mustonen, J (Mustonen, Jukka)[5,6] ; Sironen, T (Sironen, Tarja)[1,2] ; Vapalahti, O (Vapalahti, Olli)[1,2,3,7] Hantavirus infections in Europe and their impact on public health REVIEWS IN MEDICAL VIROLOGY Volume: 23 Issue: 1 Pages: 35-49 DOI: 10.1002/rmv.1722 Published: JAN 2013, WOS

2. [1.1] Krautkraemer, Ellen; Zeier, Martin; Plyusnin, Alexander Hantavirus infection: an emerging infectious disease causing acute renal failure KIDNEY INTERNATIONAL Volume: 83 Issue: 1 Pages: 23-27 DOI: 10.1038/ki.2012.360 Published: JAN 2013, WOS

ADCA48 DZAGUROVA, T.K. - KLEMPA, Boris - TKACHENKO, E.A. - SLYUSAREVA, G.P. - MOROZOV, V.G. - AUSTE, B. - KRÜGER, D.H. Molecular diagnostics of hemorrhagic fever with renal syndrome during a Dobrava virus outbreak in the European part of Russia. In *Journal of Clinical Microbiology*, 2009, vol. 47, no. 12, p. 4029 -4036. (3.945 - IF2008). (2009 - Current Contents). ISSN 0095-1137.

Ohlasy:

1. [1.1] Christova, I (Christova, Iva)[1] ; Younan, R (Younan, Rasha)[2] ; Taseva, E (Taseva, Evgenia)[1] ; Gladnishka, T (Gladnishka, Teodora)[1] ; Trifonova, I (Trifonova, Iva)[1] ; Ivanova, V (Ivanova, Vladislava)[1] ; Spik, K (Spik, Kristin)[3] ; Schmaljohn, C (Schmaljohn, Connie)[3] ; Mohareb, E (Mohareb, Emad)[2] Hemorrhagic Fever with Renal Syndrome and Crimean-Congo Hemorrhagic Fever as Causes of Acute Undifferentiated Febrile Illness in Bulgaria VECTOR-BORNE AND ZOONOTIC DISEASES Volume: 13 Issue: 3 Pages: 188-192 DOI: 10.1089/vbz.2011.0938 Published: MAR 2013, WOS
2. [1.1] Vaheri, A (Vaheri, Antti)[1,2,3] ; Henttonen, H (Henttonen, Heikki)[4] ; Voutilainen, L (Voutilainen, Liina)[1,2,4] ; Mustonen, J (Mustonen, Jukka)[5,6] ; Sironen, T (Sironen, Tarja)[1,2] ; Vapalahti, O (Vapalahti, Olli)[1,2,3,7] Hantavirus infections in Europe and their impact on public health REVIEWS IN MEDICAL VIROLOGY Volume: 23 Issue: 1 Pages: 35-49 DOI: 10.1002/rmv.1722 Published: JAN 2013, WOS
3. [2.1] Noh, J.Y.a, Cheong, H.J.b, Song, J.Y.b, Kim, W.J.b, Song, K.-J.a, Klein, T.A.cf, Lee, S.H.cf, Yanagihara, R.de, Song, J.-W. Clinical and molecular epidemiological features of hemorrhagic fever with renal syndrome in Korea over a 10-year period Journal of Clinical Virology Volume 58, Issue 1, September 2013, Pages 11-17, WOS

ADCA49 EBBESEN, P. - PETTERSEN, E.O. - GORR, T.A. - JOBST, G. - KIENINGER, J. - WENGER, R.H. - PASTOREKOVÁ, Silvia - DUBOIS, L. - LAMBIN, P. - WOUTERS, B.G. - BEUCKEN VAN DEN, T. - SUPURAN, C.T. - POELLINGER, L. - RATCLIFFE, P. - KANOPKA, A. - GORLACH, A. - GASMANN, M. - HARRIS, A.L. - MAXWELL, P. - SCOZZAFAVA, A. Taking advantage of tumor cell adaptations to hypoxia for developing new tumor markers and treatment strategies. In *Journal of Enzyme Inhibition and Medicinal Chemistry*, 2009, vol.24, p. 1 - 39, Suppl.1. (1.421 - IF2008). (2009 - Current Contents).

Ohlasy:

1. [1.1] Tilan, JU (Tilan, Jason U.)[1,2] ; Lu, CY (Lu, Congyi)[3] ; Galli, S (Galli, Susana)[4] ; Izycka-Swieszewska, E (Izycka-Swieszewska, Ewa)[5] ; Earnest, JP (Earnest, Joshua Patrick)[4] ; Shabbir, A (Shabbir, Asim)[4] ; Everhart, LM (Everhart, Lindsay M.)[4] ; Wang, S (Wang, Shuo)[4] ; Martin, S (Martin, Samantha)[2] ; Horton, M (Horton, Meredith)[2] ; Mahajan, A (Mahajan, Akanksha)[4,6] ; Christian, D (Christian, David)[2] ; O'Neill, A (O'Neill, Alison)[6] ; Wang, HK (Wang, Hongkun)[7] ; Zhuang, TT (Zhuang, Tingting)[7] ; Czarnecka, M (Czarnecka, Magdalena)[4] ; Johnson, MD (Johnson, Michael D.)[6] ; Toretsky, JA (Toretsky, Jeffrey A.)[6] ; Kitlinska, J Hypoxia shifts activity of neuropeptide Y in Ewing sarcoma from growth-inhibitory to growth-promoting effects ONCOTARGET Volume: 4 Issue: 12 Pages: 2487-2501, 2013, WOS
2. [1.1] Kawai, Y (Kawai, Yoshiko)[1] ; Kaidoh, M (Kaidoh, Maki)[1] ; Yokoyama, Y (Yokoyama, Yumiko)[1] ; Ohhashi, T Cell surface F-1/F-o ATP synthase contributes to interstitial flow-mediated development of the acidic microenvironment in tumor tissues AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY Volume: 305 Issue: 11 Pages: C1139-C1150, 2013, WOS
3. [1.1] Cazares-Korner, C (Cazares-Koerner, Cindy)[1,2] ; Pires, IM (Pires, Isabel M.)[1] ; Swallow, ID (Swallow, I. Diane)[2] ; Grayer, SC (Grayer, Samuel C.)[2] ; O'Connor, LJ (O'Connor, Liam J.)[1,2] ; Olcina, MM (Olcina, Monica M.)[1] ; Christlieb, M (Christlieb, Martin)[1] ; Conway, SJ (Conway, Stuart J.)[2] ; Hammond, EM CH-01 is a Hypoxia-Activated Prodrug That Sensitizes Cells to Hypoxia/Reoxygenation Through Inhibition of Chk1 and Aurora A ACS CHEMICAL BIOLOGY Volume: 8 Issue: 7 Pages: 1451-1459, 2013, WOS
4. [1.1] Karatas, MO (Karatas, Mert Olgun)[1] ; Alici, B (Alici, Bulent)[1] ; Cakir, U (Cakir, Umit)[2] ; Cetinkaya, E (Cetinkaya, Engin)[3] ; Demir, D (Demir, Dudu)[2] ; Ergun, A (Ergun, Adem)[2] ; Gencer, N (Gencer, Nahit)[2] ; Arslan, O Synthesis and carbonic anhydrase inhibitory properties of novel coumarin derivatives JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY, Volume: 28 Issue: 2 Pages: 299-304, 2013, WOS
5. [1.1] Berber, N (Berber, Nurcan)[1] ; Arslan, M (Arslan, Mustafa)[1] ; Yavuz, E (Yavuz, Emre)[2] ; Bilen, C (Bilen, Cigdem)[2] ; Gencer, N Synthesis and Evaluation of New Phthalazine Urea and Thiourea Derivatives as Carbonic Anhydrase Inhibitors JOURNAL OF CHEMISTRY Article Number: 742178, 2013, WOS

ADCA50 FIALA, R. - SULOVÁ, Zdena - EL-SAGGAN, A.H. - UHRÍK, Branislav - LIPTAJ, T. - DOVINOVÁ, Ima - HANUŠOVSKÁ, Eva - DROBNÁ, Z. - BARANČÍK, Miroslav - BREIER, Albert. P-glycoprotein-mediated multidrug resistance phenotype of L1210/VCR cells is associated with decreases of oligo- and/or polysaccharide contents. In *Biochimica et Biophysica Acta : Molecular Basis of Disease*, 2003, vol. 1639, no. 3, p. 213/224. (3.300 - IF2002). (2003 - Current Contents). ISSN 0925-4439.

Ohlasy:

1. [1.1] Ma, H.a, Miao, X.a, Ma, Q.a, Zheng, W.b, Zhou, H.c, Jia, L. Functional roles of glycogene and N-glycan in multidrug resistance of human breast cancer cells IUBMB Life Volume 65, Issue 5, May 2013, Pages 409-422, WOS

ADCA51 FINK, T. - ZACHAR, Vladimír - EBBESEN, P. Biological characterization of three novel variants of IFN-alpha 13 produced by human placental trophoblast. In *Placenta*, 2001, vol.22, no. 8- 9, p. 673 - 680. (2001 - Current Contents). ISSN 0143-4004.

Ohlasy:

1. [1.2] Weix, J.ab, Häupl, T.a, Raio, L.c, Villiger, P.M.b, Förger, F. The physiologic increase in expression of some type i IFN-inducible genes during pregnancy is not associated with improved disease activity in pregnant patients with rheumatoid arthritis Translational Research Volume 161, Issue 6, June 2013, Pages 505-512, SCOPUS

ADCA52 FODOR, Ervín - PALESE, P. - BROWNEE, G.G. - GARCIA-SASTRE, A. Attenuation of influenza A virus mRNA levels by promoter mutations. In *Journal of Virology*, 1998, vol. 72, no. 8, p. 6283 - 6290. (5.821 - IF1997). (1998 - Current Contents). ISSN 0022-538X.

Ohlasy:

1. [1.1] Ma, J (Ma, Jun)[1] ; Liu, K (Liu, Kang)[1] ; Xue, CY (Xue, Chunyi)[1] ; Zhou, JQ (Zhou, Jianqiang)[1] ; Xu, S (Xu, Shun)[1] ; Ren, YD (Ren, Yida)[1] ; Zheng, J (Zheng, Jing)[1] ; Cao, YC Impact of the segment-specific region of the 3'-untranslated region of the influenza A virus PB1 segment on protein expression VIRUS GENES Volume: 47 Issue: 3 Pages: 429-438, 2013, WOS

ADCA53 FTÁČEK, Peter - ŠKULTÉTY, Ľudovít - TOMAN, Rudolf. Phase variation of Coxiella burnetii strain Priscilla : influence of this phenomenon on biochemical features of its lipopolysaccharide. In *Journal of Endotoxin Research : Official Journal of the International Endotoxin Society*. - Leeds LS9 7DL : Maney Publishing, 2000, vol. 6, no. 5, p. 369-376. (1.184 - IF1999). (2000 - Current Contents). ISBN 0968-0519. ISSN 0968-0519.

Ohlasy:

1. [1.1] Islam, A., Lockhart, M., Stenos, J., Graves, S. Short report: The attenuated nine mile phase ii clone 4/RSA439 strain of coxiella burnetii is highly virulent for Severe Combined Immunodeficient (SCID) mice American Journal of Tropical Medicine and Hygiene 89 (4) , pp. 800-803, 2013, SCOPUS

ADCA54 FUCHSBERGER, Norbert - KITA, M. - HAJNICKÁ, Valéria - IMANISHI, J. - LABUDA, Milan - NUTTALL, Patricia A. Ixodid tick salivary gland extracts inhibit production of lipopolysaccharide-induced mRNA of several different human cytokines. In *Experimental and Applied Acarology*, 1995, vol. 19, no., p. 671- 676. (0.434 - IF1994). (1995 - Current Contents). ISSN 0168-8162.

Ohlasy:

1. [1.1] Stibraniová, I.; Lahová, M.; Bartiková, P. Immunomodulators in tick saliva and their benefits ACTA VIROLOGICA Volume: 57 Issue: 2 Special Issue: SI Pages: 200-216 Published: 2013, WOS

ADCA55 GADIOU, S. - KÚDELA, Otakar - RIPL, J. - RABENSTIEN, F. - KUNDU, Jiban K. - GLASA, Miroslav. An amino acid deletion in Wheat streak mosaic virus Capsid protein distinguishes a homogeneous group of european isolates and facilitates their specific detection. In *Plant Disease*, 2009, vol. 93, p. 1209-1213. (1.874 - IF2008). (2009 - Current Contents). ISSN 0191-2917.

Ohlasy:

1. [1.1] Navia, D (Navia, Denise)[1] ; de Mendonca, RS (de Mendonca, Renata Santos)[1] ; Skoracka, A (Skoracka, Anna)[2] ; Szydło, W (Szydło, Wiktoria)[2] ; Knihinicki, D (Knihinicki, Danuta)[3] ; Hein, GL (Hein, Gary L.)(4] ; Pereira, PRVD (Valle da Silva Pereira, Paulo Roberto)[5] ;

Truol, G (Truol, Graciela)[6] ; Lau, D (Lau, Douglas)[5] Wheat curl mite, *Aceria tosichella*, and transmitted viruses: an expanding pest complex affecting cereal crops EXPERIMENTAL AND APPLIED ACAROLOGY Volume: 59 Issue: 1-2 Pages: 95-143 DOI: 10.1007/s10493-012-9633-y Published: FEB 2013, WOS

2. [1.1] Robinson, Megan D.; Murray, Timothy D. Genetic Variation of Wheat streak mosaic virus in the United States Pacific Northwest PHYTOPATHOLOGY Volume: 103 Issue: 1 Pages: 98-104 DOI: 10.1094/PHYTO-05-12-0108-R Published: JAN 2013, WOS

ADCA56 GAJDOŠOVÁ, Eva - KOVÁČOVÁ, Elena - KAZÁR, Ján - KOLCUNOVÁ, A. - SABÓ, Alexander. The immunogenicity of a vaccine against enzootic abortion in sheep. In *Veterinárni medicína*, 1994, vol. 39, no. 10, p. 589 - 596. ISSN 0375-8427.

Ohlasy:

1. [1.1] Osman, W.A. Comparative evaluation of indirect ELISA, CF test and PCR for diagnosis of ovine enzootic abortion (Ovine chlamydophilosis) Global Veterinaria Volume 11, Issue 1, 2013, Pages 65-70, WOS

ADCA57 GAJDUŠEK, D.C. - GREŠÍKOVÁ, Milota - BRUMMER-KORVENKONTIO, M. Haemorrhagic fever with renal syndrome: Memorandum from a WHO meeting. In *Bulletin of the World Health Organization*, 1983, vol. 61, no. 2, p.269 - 275. ISSN 0042-9686.

Ohlasy:

1. [1.2] Heyman, P.a, Gibbs, E.P.J.b, Meredith, A. Bunyavirus Infections (Book Chapter) Infectious Diseases of Wild Mammals and Birds in Europe 30 July 2012, Pages 241-248, SCOPUS
2. [1.2] Wang, P.-Z.a , Li, Z.-D.b, Yu, H.-T.a, Zhang, Y.a, Wang, W.a, Jiang, W.a, Bai, X.-F. Elevated serum concentrations of inflammatory cytokines and chemokines in patients with haemorrhagic fever with renal syndrome Journal of International Medical Research Volume 40, Issue 2, 2012, Pages 648-656, SCOPUS
3. [1.2] Clement, J.a , Maes, P.a, Lagrou, K.a, Van Ranst, M.a, Lameire, N. A unifying hypothesis and a single name for a complex globally emerging infection: Hantavirus disease European Journal of Clinical Microbiology and Infectious Diseases Volume 31, Issue 1, January 2012, Pages 1-5, SCOPUS
4. [1.2] Schlegel, M.a, Jacob, J.b, Krüger, D.H.c, Rang, A.c, Ulrich, R.G. Hantavirus Emergence in Rodents, Insectivores and Bats: What Comes Next? (Book Chapter) The Role of Animals in Emerging Viral Diseases October 2013, Pages 235-292, SCOPUS

ADCA58 GIATROMANOLAKI, A. - KOUKOURAKIS, Michael I. - SIVRIDIS, E. - PASTOREK, Jaromír - WYKOFF, Charles C. - GATTER, Kevin C. - HARRIS, Adrian L. Expression of Hypoxia-inducible carbonic anhydrase-9 relates to angiogenic pathways and independently to poor outcome in non-small cell lung cancer. In *Cancer Research*, 2001, vol. 61, p. 7992-7998. (8.460 - IF2000). (2001 - Current Contents). ISSN 008-5472.

Ohlasy:

1. [1.1] Wang, SS (Wang, Shian-Shiang)[1,2] ; Liu, YF (Liu, Yu-Fan)[3] ; Ou, YC (Ou, Yen-Chuan)[2] ; Chen, CS (Chen, Chuan-Shu)[2] ; Li, JR (Li, Jian-Ri)[2] ; Yang, SF Impacts of CA9 Gene Polymorphisms on Urothelial Cell Carcinoma Susceptibility and Clinicopathologic Characteristics in Taiwan PLOS ONE Volume: 8 Issue: 12, Article Number: e82804, 2013, WOS
2. [1.1] Ren, WW (Ren, Weiwei)[1,2] ; Mi, DH (Mi, Denghai)[2,3] ; Yang, KH (Yang, Kehu)[1,2] ; Cao, N (Cao, Nong)[2] ; Tian, JH (Tian, Jinhui)[1] ; Li, Z (Li, Zheng)[1,2] ; Ma, B The expression of hypoxia-inducible factor-1 alpha and its clinical significance in lung cancer: a systematic review and meta-analysis SWISS MEDICAL WEEKLY Volume: 143, Article Number: w13855, 2013, WOS
3. [1.1] Fiaschi, T (Fiaschi, Tania)[1,2,3] ; Giannoni, E (Giannoni, Elisa)[1,2,3] ; Taddei, ML (Taddei, Maria Letizia)[1,2,3] ; Cirri, P (Cirri, Paolo)[1,2,3] ; Marini, A (Marini, Alberto)[4] ; Pintus, G (Pintus, Gianfranco)[4] ; Nativi, C (Nativi, Cristina)[5] ; Richichi, B (Richichi, Barbara)[5] ; Scozzafava, A (Scozzafava, Andrea)[5] ; Carta, F (Carta, Fabrizio)[6] ; Torre, E (Torre, Eugenio)[1,2,3] ; Supuran, CT (Supuran, Claudiu T.)[6] ; Chiarugi, P Carbonic anhydrase IX from cancer-associated fibroblasts drives epithelial-mesenchymal transition in prostate carcinoma cells CELL CYCLE Volume: 12 Issue: 11 Pages: 1791-1801, 2013, WOS

4. [1.1] Sahebamee, H (Sahebamee, Hassan)[1] ; Yaghmaei, P (Yaghmaei, Parichehre)[1] ; Abdolmaleki, P (Abdolmaleki, Parviz)[2] ; Foroumadi, AR Quantitative Structure - Activity Relationships Study of Carbonic Anhydrase Inhibitors Using Logistic Regression Model IRANIAN JOURNAL OF CHEMISTRY & CHEMICAL ENGINEERING-INTERNATIONAL ENGLISH Volume: 32 Issue: 2 Pages: 19-29 , 2013, WOS
5. [1.1] Ono, S (Ono, Shotaro)[1,2,3] ; Ishii, G (Ishii, Genichiro)[1] ; Nagai, K (Nagai, Kanji)[2] ; Takuwa, T (Takuwa, Teruhisa)[1,2] ; Yoshida, J (Yoshida, Junji)[2] ; Nishimura, M (Nishimura, Mitsuyo)[2] ; Hishida, T (Hishida, Tomoyuki)[2] ; Aokage, K (Aokage, Keiju)[2] ; Fujii, S (Fujii, Satoshi)[1] ; Ikeda, N (Ikeda, Norihiko)[3] ; Ochiai, A Podoplanin-Positive Cancer-Associated Fibroblasts Could Have Prognostic Value Independent of Cancer Cell Phenotype in Stage I Lung Squamous Cell Carcinoma Usefulness of Combining Analysis of Both Cancer Cell Phenotype and Cancer-Associated Fibroblast Phenotype CHEST Volume: 143 Issue: 4 Pages: 963-970, 2013, WOS
6. [1.1] Gieling, Roben G.; Williams, Kaye J. Carbonic anhydrase IX as a target for metastatic disease BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1470-1476 Published: MAR 15 2013, WOS
7. [1.1] Zhang, C (Zhang, Chi)[1,2,3] ; Bai, DS (Bai, Dou-Sheng)[1] ; Huang, XY (Huang, Xiao-Yong)[2,3] ; Shi, GM (Shi, Guo-Ming)[2,3] ; Ke, AW (Ke, Ai-Wu)[2,3] ; Yang, LX (Yang, Liu-Xiao)[2,3] ; Yang, XR (Yang, Xin-Rong)[2,3] ; Zhou, J (Zhou, Jian)[2,3] ; Fan, J Prognostic Significance of Capn4 Overexpression in Intrahepatic Cholangiocarcinoma PLOS ONE Volume: 8 Issue: 1, Article Number: e54619, 2013, WOS
8. [1.1] Robey, Ian F.; Nesbit, Lance A. Investigating Mechanisms of Alkalinization for Reducing Primary Breast Tumor Invasion BIOMED RESEARCH INTERNATIONAL Article Number: 485196 Published: 2013, WOS
9. [1.2] Matsubara, T.a , DiResta, G.R.b, Kakunaga, S.c, Li, D.d, Healey, J.H. Additive influence of extracellular pH, oxygen tension, and pressure on invasiveness and survival of human osteosarcoma cells Frontiers in Oncology Volume 3 JUL, 2013, Article number 00199, SCOPUS
10. [1.2] Ostheimer, C., Vordermark, D. Osteopontin - an indicator of tumor hypoxia and treatment resistance Hypoxia: Causes, Types and Management January 2013, Pages 255-318, SCOPUS

ADCA59 GIBADULINOVÁ, Adriana - TÓTHOVÁ, Veronika - PASTOREK, Jaromír - PASTOREKOVÁ, Silvia. Transcriptional regulation and functional implication of S100P in cancer. In *Amino Acids*, 2011, vol.41, no. 4, p. 885 - 892. (4.106 - IF2010). (2011 - Current Contents). ISSN 0939-4451.

Ohlasy:

1. [1.1] Maciejczyk, A (Maciejczyk, Adam)[1] ; Lacko, A (Lacko, Aleksandra)[1,2] ; Ekiert, M (Ekiert, Marcin)[1,2] ; Jagoda, E (Jagoda, Ewa)[3] ; Wysocka, T (Wysocka, Teresa)[3] ; Matkowski, R (Matkowski, Rafal)[1,2] ; Halon, A (Halon, Agnieszka)[6] ; Gyorffy, B (Gyoeffy, Balzs)[4] ; Lage, H (Lage, Hermann)[5] ; Surowiak, P Elevated nuclear S100P expression is associated with poor survival in early breast cancer patients HISTOLOGY AND HISTOPATHOLOGY olume: 28 Issue: 4 Pages: 513-524, 2013, WOS
2. [1.1] Yin, FQ (Yin, Fuqiang)[1,2] ; Liu, X (Liu, Xia)[3] ; Li, DR (Li, Danrong)[1] ; Wang, Q (Wang, Qi)[2] ; Zhang, W (Zhang, Wei)[2] ; Li, L Bioinformatic analysis of chemokine (C-C motif) ligand 21 and SPARC-like protein 1 revealing their associations with drug resistance in ovarian cancer INTERNATIONAL JOURNAL OF ONCOLOGY olume: 42 Issue: 4 Pages: 1305-1316, 2013, WOS
3. [1.2] Wafer, L.N.a, Tzul, F.O.a, Pandharipande, P.P.b, Makhatadze, G.I. Novel interactions of the TRTK12 peptide with S100 protein family members: Specificity and thermodynamic characterization Biochemistry Volume 52, Issue 34, 27 August 2013, Pages 5844-5856, SCOPUS
4. [1.1] Delgado, A.P., Brandao, P., Hamid, S., Narayanan, R. Mining the dark matter of the cancer proteome for novel biomarkers , Current Cancer Therapy Reviews, 9 (4), pp. 265-277 , 2013, WOS

ADCA60 GIBALOVÁ, Lenka - ŠEREŠ, Mário - RUSNÁK, Andrej - DITTE, Peter - LABUDOVOVÁ, Martina - UHRÍK, Branislav - PASTOREK, Jaromír - SEDLÁK, Ján - BREIER, Albert - SULOVÁ, Zdena. P-glycoprotein depresses cisplatin sensitivity in L1210 cells by inhibiting cisplatin-induced caspase-3 activation. In

Toxicology in vitro : the official journal of the European Society for Toxicology in Vitro, 2012, vol. 26, no. 3, p. 435-444. (2.775 - IF2011). (2012 - Current Contents). ISSN 0887-2333.

Ohlasy:

1. [1.1] Singh, M (Singh, Mohan)[1] ; Chaudhry, P (Chaudhry, Parvesh)[1] ; Fabi, F (Fabi, Francois)[1] ; Asselin, E Cisplatin-induced caspase activation mediates PTEN cleavage in ovarian cancer cells: a potential mechanism of chemoresistance BMC CANCER , Volume: 13, Article Number: 233, 2013, WOS
2. [1.1] Wang, C (Wang, Cong)[1,2] ; Guo, LB (Guo, Liu-Bin)[1] ; Ma, JY (Ma, Jun-Yuan)[1] ; Li, YM (Li, Yong-Mei)[1] ; Liu, HM Establishment and characterization of a paclitaxel-resistant human esophageal carcinoma cell line INTERNATIONAL JOURNAL OF ONCOLOGY Volume: 43 Issue: 5 Pages: 1607-1617, 2013, WOS
3. [1.1] Das, S (Das, Shamik)[1] ; Samant, RS (Samant, Rajeev S.)[1,2] ; Shevde, LA Nonclassical Activation of Hedgehog Signaling Enhances Multidrug Resistance and Makes Cancer Cells Refractory to Smoothed-muscle-targeting Hedgehog Inhibition JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 288 Issue: 17 Pages: 11824-11833, 2013, WOS

ADCA61 GLASA, Miroslav - MARIE-JEANNE, V. - LABONNE, G. - ŠUBR, Zdeno W. - KÚDELA, Otakar - QUIOT, J.B. A natural population of recombinant Plum pox virus is viable and competitive under field conditions. In *European Journal of Plant Pathology*, 2002, vol. 108, no. 9, p. 843 - 853. (1.010 - IF2001). (2002 - Current Contents). ISSN 0929-1873.

Ohlasy:

1. [1.1] Harper, S.J. Citrus tristeza virus: Evolution of complex and varied genotypic groups Frontiers in Microbiology 4 (APR) , art. no. Article 93, 2013, SCOPUS
2. [1.2] Mavrodieva, V., James, D., Williams, K., Negi, S., Varga, A., Mock, R., Levy, L. Molecular analysis of a plum pox virus W isolate in plum Germplasm hand carried into the USA from the Ukraine shows a close relationship to a Latvian isolate Plant Disease 97 (1) , pp. 44-52, 2013, SCOPUS

ADCA62 GLASA, Miroslav - SVOBODA, Jan - NOVÁKOVÁ, Slavomíra. Analysis of the molecular and biological variability of Zucchini yellow mosaic virus isolates from Slovakia and Czech Republic. In *Virus Genes*, 2007, vol. 35, p. 415-421. (1.102 - IF2006). (2007 - Current Contents). ISSN 0920-8569.

Ohlasy:

1. [1.1] Hasiow-Jaroszewska, B (Hasiow-Jaroszewska, Beata)[1] ; Rymelska, N (Rymelska, Natalia)[1] ; Borodynko, N (Borodynko, Natasza)[1] ; Pospieszny, H (Pospieszny, Henryk)[1] BIOLOGICAL AND MOLECULAR CHARACTERIZATION OF THE POLISH Zucchini yellow mosaic virus ISOLATES ACTA SCIENTIARUM POLONORUM-HORTORUM CULTUS Volume: 12 Issue: 2 Pages: 75-85 Published: 2013, WOS
2. [1.2] Hillung, J., Elena, S.F., Cuevas, J.M. Intra-specific variability and biological relevance of P3N-PIPO protein length in potyviruses BMC Evolutionary Biology 13 (1) , art. no. 249, 2013, SCOPUS

ADCA63 GLASA, Miroslav - BETINOVÁ, Eva - KÚDELA, Otakar - ŠUBR, Zdeno W.. Biological and molecular characterisation of Prunus necrotic ringspot virus isolates and possible approaches to their phylogenetic typing. In *Annals of Applied Biology*, 2002, vol. 140, p. 279-283. (0.529 - IF2001). (2002 - Current Contents). ISSN 0003-4746.

Ohlasy:

1. [1.1] Cui, HG (Cui, Hongguang)[1,2] ; Hong, N (Hong, Ni)[3] ; Wang, GP (Wang, Guoping)[1] ; Wang, AM (Wang, Aiming)[2] Genomic Segments RNA1 and RNA2 of Prunus necrotic ringspot virus Codetermine Viral Pathogenicity to Adapt to Alternating Natural Prunus Hosts MOLECULAR PLANT-MICROBE INTERACTIONS Volume: 26 Issue: 5 Pages: 515-527 DOI: 10.1094/MPMI-12-12-0282-R Published: MAY 2013, WOS
2. [1.1] Boulila, M (Boulila, Moncef)[1] ; Ben Tiba, S (Ben Tiba, Sawssen)[2] ; Jilani, S (Jilani, Saoussen)[3] Molecular adaptation within the coat protein-encoding gene of Tunisian almond isolates of Prunus necrotic ringspot virus JOURNAL OF GENETICS Volume: 92 Issue: 1 Pages: 11-24 DOI: 10.1007/s12041-013-0211-9 Published: APR 2013, WOS
3. [1.1] Sala-Rejczak, Kinga; Paduch-Cichal, Elzbieta MOLECULAR VARIABILITY OF THE COAT

PROTEIN GENE OF Prunus necrotic ringspot virus ISOLATES ACTA SCIENTIARUM POLONORUM-HORTORUM CULTUS Volume: 12 Issue: 2 Pages: 35-42 Published: 2013, WOS

4. [1.1] Zindovic, J (Zindovic, J.)[1] ; Lanzoni, C (Lanzoni, C.)[2] ; Autonell, CR (Autonell, C. Rubies)[2] ; Ratti, C (Ratti, C.) First Report of Prune dwarf virus and Prunus necrotic ringspot virus on Peach in Montenegro PLANT DISEASE Volume: 97 Issue: 9 Pages: 1259-1259 , 2013, WOS

5. [1.1] Pallas, V (Pallas, Vicente)[1] ; Aparicio, F (Aparicio, Frederic)[1] ; Herranz, MC (Herranz, Mari C.)[1] ; Sanchez-Navarro, JA (Sanchez-Navarro, Jesus A.)[1] ; Scott, SW (Scott, Simon W.) The Molecular Biology of Ilarviruses ADVANCES IN VIRUS RESEARCH, VOL 87 Book Series: Advances in Virus Research Volume: 87 Pages: 139-181, 2013, WOS

ADCA64 GLASA, Miroslav - HRIČOVSKÝ, I. - KÚDELA, Otakar. Evidence for non-transmission of plum pox virus by seed in infected plum and. In *Biologia*, 1999, vol. 54, no. 2, p. 481-484. (0.194 - IF1998). (1999 - Current Contents). ISSN 0006-3088. 2/4039/97.

Ohlasy:

1. [1.2] Scorza, R.a , Callahan, A.a, Dardick, C.a, Ravelonandro, M.b, Polak, J.c, Malinowski, T.d, Zagrai, I.e, Cambra, M.f, Kamenova, I. Genetic engineering of Plum pox virus resistance: 'HoneySweet' plum-from concept to product (Review) Plant Cell, Tissue and Organ Culture Volume 115, Issue 1, October 2013, Pages 1-12, SCOPUS

ADCA65 GLASA, Miroslav - PALKOVICS, L. - KOMÍNEK, P. - LABONNE, G. - PITTNEROVÁ, S. - KÚDELA, Otakar - CANDRESSE, Thierry - ŠUBR, Zdeno W.. Geographically and temporally distant natural recombinant isolated of plum pox virus /PPV/ are genetically very similar and form a unique PPV subgroup. In *Journal of General Virology*. - Reading RG7 1AG : Society for General Microbiology,Marlborough House, 2004, vol. 85, p. 2671 - 2681. (3.036 - IF2003). (2004 - Current Contents). ISSN 0022-1317.

Ohlasy:

1. [1.1] Wang, XH (Wang, Xinhua)[1,2] ; Kohalmi, SE (Kohalmi, Susanne E.)[1] ; Svircev, A (Svircev, Antonet)[2] ; Wang, AM (Wang, Aiming)[2] ; Sanfacon, H (Sanfacon, Helene)[3] ; Tian, LN (Tian, Lining)[1,2] Silencing of the Host Factor eIF(iso)4E Gene Confers Plum Pox Virus Resistance in Plum PLOS ONE Volume: 8 Issue: 1 Article Number: e50627 DOI: 10.1371/journal.pone.0050627 Published: JAN 28 2013, WOS

2. [1.2] Caglayan, K., Serce, C.U., Gazel, M., Kaya, K., Cengiz, F.C., Vidal, E., Cambra, M. Evaluation of the susceptibility of different Prunus rootstocks to natural infection of plum pox virus-T Journal of Plant Pathology 95 (3) , pp. 579-586, 2013, SCOPUS

3. [1.1] Mavrodieva, V (Mavrodieva, Vessela)[1] ; James, D (James, Delano)[2] ; Williams, K (Williams, Karen)[1] ; Negi, S (Negi, Sarika)[1] ; Varga, A (Varga, Aniko)[2] ; Mock, R (Mock, Ray)[3] ; Levy, L (Levy, Laurene)[1] Molecular Analysis of a Plum pox virus W Isolate in Plum Germplasm Hand Carried into the USA from the Ukraine Shows a Close Relationship to a Latvian Isolate PLANT DISEASE Volume: 97 Issue: 1 Pages: 44-52 DOI: 10.1094/PDIS-01-12-0104-RE Published: JAN 2013, WOS

4. [1.2] Yin, X., Zheng, F.-Q., Tang, W., Zhu, Q.-Q., Li, X.-D., Zhang, G.-M., Liu, H.-T., Liu, B.-S. Genetic structure of rice black-streaked dwarf virus populations in China Archives of Virology 158 (12) , pp. 2505-2515,2013, SCOPUS

5. [1.2] James, D., Varga, A., Sanderson, D. Genetic diversity of Plum pox virus: Strains, disease and related challenges for control Canadian Journal of Plant Pathology 35 (4) , pp. 431-441, 2013, SCOPUS

ADCA66 GLASA, Miroslav - PRIKHODKO, Y. - PREDAJŇA, Lukáš - NAGYOVÁ, Alžbeta - SHNEYDER, Y. - ZHIVAEVA, T. - ŠUBR, Zdeno W. - CAMBRA, M. - CANDRESSE, T. Characterization of sour cherry isolates of Plum pox virus from the Volga basin in Russia reveals a new cherry strain of the virus. In *Phytopathology*, 2013, vol. 103, no. 9, p. 972-979. (2.968 - IF2012). (2013 - Current Contents). ISSN 0031-949X.

Ohlasy:

1. [1.1] DELANO JAMES, ANIKO VARGA AND DANIEL SANDERSON Genetic diversity of Plum pox virus: strains, disease and related Can. J. Plant Pathol., 2013, WOS

2. [1.2] Calvo M, Malinowski T, Garcia J.A.: Single amino acid changes in the 6K1-CI region can

promote the alternative adaptation of Prunus- and Nicotiana-propagated Plum pox virus strain C isolates to either host. *MOL PLANT MICROBE INTERACT.* 2013, SCOPUS

ADCA67 GLASA, Miroslav - MARIE-JEANNE, V. - MOURY, B. - KÚDELA, Otakar - QUIOT, J.B. Molecular variability of the P3-6KS1 genomic region among geographically and biologically distinct isolates of Plum pox virus. In *Archives of Virology : Official Journal of the Virology Division*, 2002, vol. 147, p. 563-575. (1.711 - IF2001). (2002 - Current Contents). ISSN 0304-8608.

Ohlasy:

1. [1.2] James, D., Varga, A., Sanderson, D. Genetic diversity of Plum pox virus: Strains, disease and related challenges for control *Canadian Journal of Plant Pathology* 35 (4) , pp. 431-441 ,2013, SCOPUS

ADCA68 GLASA, Miroslav - KÚDELA, Otakar - ŠUBR, Zdeno W.. Molecular analysis of the 3 terminal region of the genome of Beet mosaic virus and its relation with other potyviruses. In *Archives of Virology.* - Wien : Springer Verlag, 2003, vol.148, p. 1863-1871. (1.967 - IF2002). (2003 - Current Contents). ISSN 0304-8608.

Ohlasy:

1. [3] Sastry, KS Seed-borne plant virus diseases. Plant Virus Transmission Through Vegetative Propagules (Asexual Reproduction) (book chapter) pp 285-305, Springer India, ISBN: 978-81-322-0812-9 (Print) 978-81-322-0813-6 (Online), 2013

ADCA69 GLASA, Miroslav - CANDRESSE, T. Partial sequence analysis of an atypical Turkish isolate provides further information on the evolutionary history of Plum pox virus (PPV). In *Virus Research : An International Journal of Molecular and Cellular Virology.* - Amsterdam : Elsevier Science, 2005, vol.108, p.199-206. (2.155 - IF2004). (2005 - Current Contents). ISSN 0168-1702.

Ohlasy:

1. [1.1] Caglayan, K (Caglayan, K.)[1] ; Serce, CU (Serce, C. U.)[1] ; Gazel, M (Gazel, M.)[1] ; Kaya, K (Kaya, K.)[1] ; Cengiz, FC (Cengiz, F. C.)[1] ; Vidal, E (Vidal, E.)[2] ; Cambra, M (Cambra, M.)
EVALUATION OF THE SUSCEPTIBILITY OF DIFFERENT PRUNUS ROOTSTOCKS TO NATURAL INFECTION OF PLUM POX VIRUS-T *JOURNAL OF PLANT PATHOLOGY* Volume: 95 Issue: 3 Pages: 579-586, 2013, WOS
2. [1.1] Gospodaryk, Alina (alina.gospodaryk@lvai.lv) ; Morocko-Bicevska, Inga; Pupola, Neda; Kale, Anna OCCURRENCE OF STONE FRUIT VIRUSES IN PLUM ORCHARDS IN LATVIA *Proceedings of the Latvian Academy of Sciences Section B Natural Exact and Applied Sciences* Volume:67 Issue:2 Pages:116-123, 2013, WOS
3. [1.2] James, D., Varga, A., Sanderson, D. Genetic diversity of Plum pox virus: Strains, disease and related challenges for control *Canadian Journal of Plant Pathology* 35 (4) , pp. 431-441, 2013, SCOPUS

ADCA70 GLASA, Miroslav - MALINOWSKI, Tadeusz - PREDAJŇA, Lukáš - PUPOLA, N. - DEKENA, D. - MICHALCZUK, L. - CANDRESSE, T. Sequence Variability, Recombination Analysis, and Specific Detection of the W Strain [MG1] of Plum pox virus. In *Phytopathology*, 2011, vol. 101, no. 8, p. 980 - 985. (2.428 - IF2010). (2011 - Current Contents). ISSN 0031-949X.

Ohlasy:

1. [1.1] Chirkov, Sergei; Ivanov, Peter; Sheveleva, Anna Detection and partial molecular characterization of atypical plum pox virus isolates from naturally infected sour cherry *ARCHIVES OF VIROLOGY* Volume: 158 Issue: 6 Pages: 1383-1387 DOI: 10.1007/s00705-013-1630-x Published: JUN 2013, WOS
2. [1.1] Bejerman, N (Bejerman, N.)[1] ; Giolitti, F (Giolitti, F.)[1] ; de Breuil, S (de Breuil, S.)[1] ; Lenardon, S (Lenardon, S.)[1] Sequencing of two Sunflower chlorotic mottle virus isolates obtained from different natural hosts shed light on its evolutionary history *VIRUS GENES* Volume: 46 Issue: 1 Pages: 105-110 DOI: 10.1007/s11262-012-0817-7 Published: FEB 2013, WOS
3. [1.1] Mavrodieva, V (Mavrodieva, Vessela)[1] ; James, D (James, Delano)[2] ; Williams, K (Williams, Karen)[1] ; Negi, S (Negi, Sarika)[1] ; Varga, A (Varga, Aniko)[2] ; Mock, R (Mock, Ray)[3

-] ; Levy, L (Levy, Laurene)[1] Molecular Analysis of a Plum pox virus W Isolate in Plum Germplasm Hand Carried into the USA from the Ukraine Shows a Close Relationship to a Latvian Isolate PLANT DISEASE Volume: 97 Issue: 1 Pages: 44-52 DOI: 10.1094/PDIS-01-12-0104-RE Published: JAN 2013, WOS
4. [1.1] Hillung, Julia; Elena, Santiago F.; Cuevas, Jose M. Intra-specific variability and biological relevance of P3N-PIPO protein length in potyviruses EVOLUTIONARY BIOLOGY Volume: 13 Article Number: 249 Published: NOV 13 2013, WOS
5. [1.1] Gospodaryk, Alina ; Morocko-Bicevska, Inga; Pupola, Neda; Kale, Anna OCCURRENCE OF STONE FRUIT VIRUSES IN PLUM ORCHARDS IN LATVIA Proceedings of the Latvian Academy of Sciences Section B Natural Exact and Applied Sciences Volume:67 Issue:2 Pages:116-123, 2013, WOS
6. [1.1] Kaufmane, Edite (kaufmane@latnet.lv) ; Skrivele, Mara; Rubauskis, Edgars; Strautia, Sarmite; Ikase, Laila; Lacis, Gunars; Seglia, Dalija; Morocko-Bicevska, Inga; Ruisa, Silvija; Priekule, Ilze DEVELOPMENT OF FRUIT SCIENCE IN LATVIA Proceedings of the Latvian Academy of Sciences Section B Natural Exact and Applied Sciences Volume:67 Issue:2 Pages:71-83 , 2013, WOS
7. [1.1] Sheveleva, A (Sheveleva, Anna)[1] ; Kudryavtseva, A (Kudryavtseva, Anna)[2] ; Speranskaya, A (Speranskaya, Anna)[2,3] ; Belenikin, M (Belenikin, Maxim)[2] ; Melnikova, N (Melnikova, Natalia)[2] ; Chirkov, S (Chirkov, Sergei) Complete genome sequence of a novel Plum pox virus strain W isolate determined by 454 pyrosequencing VIRUS GENES Volume: 47 Issue: 2 Pages: 385-388, 2013, WOS
8. [1.2] James, D., Varga, A., Sanderson, D. Genetic diversity of Plum pox virus: Strains, disease and related challenges for control Canadian Journal of Plant Pathology 35 (4) , pp. 431-441, 2013, SCOPUS

ADCA71 GLAZUNOVA, O. - ROUX, V. - FREYLIKMAN, O. - SEKEYOVÁ, Zuzana - FOURNOUS, G. - TYCZKA, J. - TOKAREVICH, N.S. - KOVÁČOVÁ, Elena - MARIE, T.J. - RAOULT, D. Coxiella burnetii genotyping. In *Emerging Infectious Diseases*, 2005, vol.11, p. 1211-1217. (5.634 - IF2004). (2005 - Current Contents). ISSN 1080-6040.

Ohlasy:

1. [1.1] Znazen, A (Znazen, Abir)[1] ; Khrouf, F (Khrouf, Fatma)[2] ; Elleuch, N (Elleuch, Nihel)[1] ; Lahiani, D (Lahiani, Dorra)[3] ; Marrekchi, C (Marrekchi, Chakib)[3] ; M'Ghirbi, Y (M'Ghirbi, Youmna)[2] ; Ben Jemaa, M (Ben Jemaa, Mounir)[3] ; Bouattour, A (Bouattour, Ali)[2] ; Hammami, A (Hammami, Adnene) Multispacer typing of Rickettsia isolates from humans and ticks in Tunisia revealing new genotypes PARASITES & VECTORS Volume: 6 , Article Number: 367, DEC 31 2013, WOS
2. [1.1] Chmielewski, Tomasz; Tylewska-Wierzbanowska, Stanisława MEDICAL SCIENCE MONITOR Volume: 19 Pages: 1073-1079 Published: NOV 28 2013, WOS
3. [1.1] Roest, HIJ (Roest, Hendrik I. J.)(1] ; Bossers, A (Bossers, Alex)[2] ; van Zijderveld, FG (van Zijderveld, Fred G.)(1] ; Rebel, JML (Rebel, Johanna M. L.) Clinical microbiology of Coxiella burnetii and relevant aspects for the diagnosis and control of the zoonotic disease Q fever VETERINARY QUARTERLY Volume: 33 Issue: 3 Pages: 148-160, 2013, WOS
4. [1.1] Pearson, T (Pearson, Talima)[1] ; Hornstra, HM (Hornstra, Heidie M.)(1] ; Sahl, JW (Sahl, Jason W.)(1,2] ; Schaack, S (Schaack, Sarah)[3] ; Schupp, JM (Schupp, James M.)(2] ; Beckstrom-Sternberg, SM (Beckstrom-Sternberg, Stephen M.)(1,2] ; O'Neill, MW (O'Neill, Matthew W.)(1] ; Priestley, RA (Priestley, Rachael A.)(4] ; Champion, MD (Champion, Mia D.)(1,2] ; Beckstrom-Sternberg, JS (Beckstrom-Sternberg, James S.)(1] ; Kersh, GJ (Kersh, Gilbert J.)(4] ; Samuel, JE (Samuel, James E.)(5] ; Massung, RF (Massung, Robert F.)(4] ; Keim, P (Keim, Paul) When Outgroups Fail; Phylogenomics of Rooting the Emerging Pathogen, Coxiella burnetii SYSTEMATIC BIOLOGY Volume: 62 Issue: 5 Pages: 752-762 , 2013, WOS
5. [1.1] Anonymous Coxiella burnetii - Causative Agent of Q (query)-Fever Statements of the Working Group on Blood of the Federal Ministry of Health BUNDESGESUNDHEITSBLATT-GESUNDHEITSFORSCHUNG-GESUNDHEITSSCHUTZ Volume: 56 Issue: 8 Pages: 1178-1190, 2013, WOS
6. [1.1] van Schaik, EJ (van Schaik, Erin J.)(1] ; Chen, C (Chen, Chen)(1] ; Mertens, K (Mertens, Katja)(1] ; Weber, MM (Weber, Mary M.)(1] ; Samuel, JE (Samuel, James E.) Molecular

pathogenesis of the obligate intracellular bacterium *Coxiella burnetii* NATURE REVIEWS

MICROBIOLOGY Volume: 11 Issue: 8 Pages: 561-573, 2013, WOS

7. [1.1] Maturana, P (Maturana, Pauline)[1] ; Graham, JG (Graham, Joseph G.)[1] ; Sharma, UM (Sharma, Uma M.)[1] ; Voth, DE (Voth, Daniel E.) Refining the Plasmid-Encoded Type IV Secretion System Substrate Repertoire of *Coxiella burnetii* JOURNAL OF BACTERIOLOGY Volume: 195 Issue: 14 Pages: 3269-3276, 2013, WOS

8. [1.1] Cayrou, Caroline; Terra, Anthony; Drancourt, Michel Genotyping of *Rhodopirellula baltica* organisms using multispacer sequence typing MARINE ECOLOGY-AN EVOLUTIONARY PERSPECTIVE Volume: 34 Issue: 2 Pages: 251-254, 2013, WOS

9. [1.1] Kersh, GJ (Kersh, Gilbert J.)(1] ; Fitzpatrick, KA (Fitzpatrick, Kelly A.)(1] ; Self, JS (Self, Joshua S.)(1] ; Priestley, RA (Priestley, Rachael A.)(1] ; Kelly, AJ (Kelly, Aubree J.)(1] ; Lash, RR (Lash, R. Ryan)(1] ; Marsden-Haug, N (Marsden-Haug, Nicola)(2] ; Nett, RJ (Nett, Randall J.)(3,4] ; Bjork, A (Bjork, Adam)(1] ; Massung, RF (Massung, Robert F.)(1] ; Anderson, AD (Anderson, Alicia D.)(1] Presence and Persistence of *Coxiella burnetii* in the Environments of Goat Farms Associated with a Q Fever Outbreak APPLIED AND ENVIRONMENTAL MICROBIOLOGY Volume: 79 Issue: 5 Pages: 1697-1703, 2013, WOS

10. [1.1] Bielawska-Drozd, A (Bielawska-Drozd, Agata)(1] ; Cieslik, P (Cieslik, Piotr)(1] ; Mirski, T (Mirski, Tomasz)(1] ; Bartoszcze, M (Bartoszcze, Michal)(1] ; Knap, JP (Knap, Jozef Piotr)(2] ; Gawel, J (Gawel, Jerzy)(1] ; Zakowska, D (Zakowska, Dorota) Q fever - selected issues ANNALS OF AGRICULTURAL AND ENVIRONMENTAL MEDICINE Volume: 20 Issue: 2 Pages: 222-232, 2013, WOS

ADCA72 GOCNÍK, Michal - FISLOVÁ, Tatiana - SLÁDKOVÁ, Tatiana - MUCHA, Vojtech - KOSTOLANSKÝ, František - VAREČKOVÁ, Eva. Antibodies specific to the HA2 glycopolyptide of influenza A virus haemagglutinin with the fusion - inhibition activity contribute to the protection of mice against the lethal infection. In *Journal of General Virology*, 2007, vol. 88, p. 951-955. (3.110 - IF2006). (2007 - Current Contents). ISSN 0022-1317.

Ohlasy:

1. [1.1] Shen, Xintian; Zhang, Xuanxuan; Liu, Shuwen Novel hemagglutinin-based influenza virus inhibitors JOURNAL OF THORACIC DISEASE Volume: 5 Supplement: 2 Pages: S149-S159 Published: AUG 2013, WOS

2. [1.1] Yang, J (Yang, Jie)(1] ; Li, MM (Li, Minmin)(2] ; Shen, XT (Shen, Xintian)(1] ; Liu, SW Influenza A Virus Entry Inhibitors Targeting the Hemagglutinin VIRUSES-BASEL Volume: 5 Issue: 1 Pages: 352-373, 2013, WOS

ADCA73 GOCNÍK, Michal - MIKUŠKOVÁ, Tatiana - MUCHA, Vojtech - SLÁDKOVÁ, Tatiana - RUSS, Gustáv - KOSTOLANSKÝ, František - VAREČKOVÁ, Eva. Antibodies induced by the HA2 glycopolyptide of influenza virus haemagglutinin improve recovery from influenza A virus infection. In *Journal of General Virology*, 2008, vol. 89, no.4, p. 958 -967. (3.120 - IF2007). (2008 - Current Contents). ISSN 0022-1317.

Ohlasy:

1. [1.1] Pan, WL (Pan, Wan-Long)(1,2] ; Hu, JL (Hu, Jie-Li)(1] ; Fang, Y (Fang, Yan)(3] ; Luo, Q (Luo, Qiang)(1] ; Xu, G (Xu, Ge)(1] ; Xu, L (Xu, Lei)(1] ; Jing, ZH (Jing, Zhou-Hong)(4] ; Shan, XF (Shan, Xue-Feng)(1] ; Zhu, YL (Zhu, Yan-Ling)(5] ; Huang, AL Allele-specific polymerase chain reaction for detection of a mutation in the relax circular DNA and the covalently closed circular DNA of hepatitis B virus JOURNAL OF VIROLOGICAL METHODS Volume: 194 Issue: 1-2 Pages: 277-288, 2013, WOS

2. [1.1] Krammer, Florian; Palese, Peter Influenza virus hemagglutinin stalk-based antibodies and vaccines CURRENT OPINION IN VIROLOGY Volume: 3 Issue: 5 Pages: 521-530 Published: OCT 2013, WOS

3. [1.1] Mallajosyula, VVA (Mallajosyula, V. Vamsee Aditya)(1] ; Citron, M (Citron, Michael)(2] ; Lu, XH (Lu, Xianghan)(2] ; ter Meulen, J (ter Meulen, Jan)(2] ; Varadarajan, R (Varadarajan, Raghavan)(1] ; Liang, XP In vitro and in vivo characterization of designed immunogens derived from the CD-helix of the stem of influenza hemagglutinin PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS Volume: 81 Issue: 10 Pages: 1759-1775, 2013, WOS

4. [1.2] Lee, J.-S.a, Chowdhury, M.Y.E.a , Moon, H.-J.a, Choi, Y.-K.b, Talactac, M.R.a, Kim, J.-H.a, Park, M.-E.a, Son, H.-Y.a, Shin, K.-S.a, Kim, C.-J. The highly conserved HA2 protein of the influenza a

virus induces a cross protective immune response *Journal of Virological Methods* Volume 194, Issue 1-2, December 2013, Pages 280-288, SCOPUS

ADCA74 HOLOTŇÁKOVÁ, Terézia - ZIEGELHÖFFER, Attila - OHRAĐANOVÁ, Anna - HULÍKOVÁ, Alžbeta - NOVÁKOVÁ, M. - KOPÁČEK, Juraj - PASTOREK, Jaromír - PASTOREKOVÁ, Silvia. Induction of carbonic anhydrase IX by hypoxia and chemical disruption of oxygen sensing in rat fibroblasts and cardiomyocytes. In *Pflugers Archiv-European Journal of Physiology*, 2008, vol. 456, no. 2, p. 323-337. (3.842 - IF2007). (2008 - Current Contents). ISSN 0031-6768.

Ohlasy:

1. [1.1] Parameswaran, S (Parameswaran, Sreejit)[1,2] ; Kumar, S (Kumar, Sujeet)[1,2] ; Verma, RS (Verma, Rama Shanker)[3] ; Sharma, RK Cardiomyocyte culture - an update on the in vitro cardiovascular model and future challenges *CANADIAN JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY* Volume: 91 Issue: 12 Pages: 985-998, 2013, WOS
2. [1.1] Fahling, M (Faehling, Michael)[1] ; Mathia, S (Mathia, Susanne)[2] ; Paliege, A (Paliege, Alexander)[2,3] ; Koesters, R (Koesters, Robert)[4] ; Mrowka, R (Mrowka, Ralf)[5] ; Peters, H (Peters, Harm)[2] ; Persson, PB (Persson, Pontus Boerje)[1] ; Neumayer, HH (Neumayer, Hans-Hellmut)[2] ; Bachmann, S (Bachmann, Sebastian)[3] ; Rosenberger, C Tubular von Hippel-Lindau Knockout Protects against Rhabdomyolysis-Induced AKI *JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY* Volume: 24 Issue: 11 Pages: 1806-1819 , 2013, WOS

ADCA75 HOLOTŇÁKOVÁ, Terézia - TYLKOVÁ, Lucia - TAKÁČOVÁ, Martina - KOPÁČEK, Juraj - PETRÍK, Juraj - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír. Role of the HBx oncoprotein in carbonic anhydrase 9 induction. In *Journal of Medical Virology*, 2010, vol. 82, no. 1, p. 32-40. (2.470 - IF2009). (2010 - Current Contents). ISSN 0146-6615.

Ohlasy:

1. [1.1] Motavaf, M (Motavaf, M.)[1] ; Safari, S (Safari, S.)[1,2] ; Jourshari, MS (Jourshari, M. Saffari)[1,2] ; Alavian, SM Hepatitis B virus-induced hepatocellular carcinoma: The role of the virus x protein *ACTA VIROLOGICA* Volume: 57 Issue: 4 Pages: 389-396, 2013, WOS
2. [1.1] Martin-Vilchez, S (Martin-Vilchez, Samuel)[1,2,3] ; Moreno-Otero, R (Moreno-Otero, Ricardo)[1,2,3] ; Sanz-Cameno, P (Sanz-Cameno, Paloma) Effects of hepatitis B virus X protein on chronic hepatitis B pathophysiology *MEDICINA CLINICA* Volume: 140 Issue: 11 Pages: 508-51, 2013, WOS

ADCA76 GRAY, Jeremy - STANEK, G. - KUNDI, M. - KOCIANOVÁ, Elena. Dimension of engorging *Ixodes ricinus* as a measure of feeding duration. In *International Journal of Medical Microbiology : Proceedings of the VIIIth International Potsdam Symposium on tick-Borne Diseases (IPS VIII)*, 2005, vol. 295, no. 8, p. 567 - 572. ISSN 1438-4221.

Ohlasy:

1. [1.1] Wilhelmsson, P (Wilhelmsson, Peter)[1] ; Lindblom, P (Lindblom, Pontus)[1] ; Fryland, L (Fryland, Linda)[2] ; Nyman, D (Nyman, Dag)[3] ; Jaenson, TGT (Jaenson, Thomas G. T.)[4] ; Forsberg, P (Forsberg, Pia)[2,5] ; Lindgren, PE (Lindgren, Per-Eric) *Ixodes ricinus* ticks removed from humans in Northern Europe: seasonal pattern of infestation, attachment sites and duration of feeding *PARASITES & VECTORS* , Volume: 6, Article Number: 362, 2013, WOS
2. [1.2] Wilhelmsson, P.a , Lindblom, P.a, Fryland, L.b, Ernerudh, J.b, Forsberg, P.cd, Lindgren, P.-E. Prevalence, diversity, and load of *Borrelia* species in ticks that have fed on humans in regions of Sweden and Åland islands, Finland with different Lyme borreliosis incidences *PLoS ONE* Volume 8, Issue 11, 21 November 2013, Article number e81433, SCOPUS
3. [1.2] Duman, M.a, Inceboz, T.b, Gençpinar, P.a , Över, L.b, Çellik, D. Investigation of the cases presenting to the pediatric emergency department with a tick attachment *Türkiye Klinikleri Journal of Medical Sciences* Volume 33, Issue 1, 2013, Pages 164-171, SCOPUS

ADCA77 GREŠÍKOVÁ, Milota - SEKEYOVÁ, Magdaléna - STUPALOVÁ, S. - NEČAS, S. Sheep milk borne epidemic of tick borne encephalitis in Slovakia. In *Intervirology*, 1975, vol. 5, no.1-2, p. 57 - 61. ISSN 0300-5526.

Ohlasy:

1. [1.2] Klaus, C.a , Beer, M.a, Saier, R.b, Schau, U.c, Moog, U.c, Hoffmann, B.a, Diller, R.a, Süß, J. Goats and sheep as sentinels for tick-borne encephalitis (TBE) virus - Epidemiological studies in areas endemic and non-endemic for TBE virus in Germany Ticks and Tick-borne Diseases Volume 3, Issue 1, February 2012, Pages 27-37, SCOPUS
2. [1.2] Caini, S.ab, Szomor, K.c, Ferenczi, E.c, Székelyné Gáspár, A.d, Csohán, A.b, Krisztalovics, K.b, Molnár, Z.b, Horváth, J.K. Tick-borne encephalitis transmitted by unpasteurised cow milk in Western Hungary, September to October 2011 Eurosurveillance Volume 17, Issue 12, 22 March 2012, SCOPUS
3. [1.2] Dobler, G.a , Gniel, D.b, Petermann, R.c, Pfeffer, M. Epidemiology and distribution of tick-borne encephalitis Wiener Medizinische Wochenschrift Volume 162, Issue 11-12, May 2012, Pages 230-238, SCOPUS
4. [1.2] Viktor, Z.a , Eموke, F.a, László, E Tej közvetítette kullancsencephalitis-járványok Magyarországon Magyar Allatorvosok Lapja Volume 135, Issue 1, January 2013, Pages 48-56, SCOPUS
5. [1.2] Majerus, L.M.a , Sabol, Z.b, Mršić, M.T.c, Bujić, N.a, Rode, O.D.d, Sabljic, E.R. Post-encephalitic syndrome in children with tick-borne encephalitis Paediatrica Croatica Volume 57, Issue 1, January 2013, Pages 61-66, SCOPUS
6. [1.2] Cook, N.a , Richards, G.P. An introduction to food- and waterborne viral disease Viruses in Food and Water: Risks, Surveillance and Control May 2013, Pages 3-18, SCOPUS
7. [1.2] Santos, R. , Monteiro, S. Epidemiology, control, and prevention of emerging zoonotic viruses (Book Chapter) Viruses in Food and Water: Risks, Surveillance and Control May 2013, Pages 442-457, SCOPUS
8. [1.2] Klaus, C.a , Hörügel, U.c, Hoffmann, B.b, Beer, M. Tick-borne encephalitis virus (TBEV) infection in horses: Clinical and laboratory findings and epidemiological investigations Veterinary Microbiology Volume 163, Issue 3-4, 3 May 2013, Pages 368-372, SCOPUS

ADCA78 GRONESOVÁ, Paulína - FICOVÁ, Martina - MIŽÁKOVÁ, A. - KABÁT, Peter - TRNKA, Alfréd - BETÁKOVÁ, Tatiana. Prevalence of avian influenza viruses, Borrelia garinii, Mycobacterium avium, and Mycobacterium avium subsp. paratuberculosis in waterfowl and terrestrial birds in Slovakia. In *Avian Pathology*, 2008, vol. 37, no. 5, p.537-543. (1.257 - IF2007). (2008 - Current Contents). ISSN 0307-9457.

Ohlasy:

1. [1.2] Büker, M., Picozzi, K., Kolb, S., Hatt, J.-M. Erster Nachweis von Borrelia burgdorferi-antikörpern bei freilebenden Greifvögeln in Ostwestfalen-Lippe, Deutschland | [First detection of Borrelia burgdorferi-antibodies in free-living birds of prey from Eastern Westphalia, Germany] Schweizer Archiv für Tierheilkunde 155 (7) , pp. 411-416 , 2013, SCOPUS
2. [1.1] Carta, T., Álvarez, J., Pérez de la Lastra, J.M., Gortázar, C. Wildlife and paratuberculosis: A review Research in Veterinary Science 94 (2) , pp. 191-197, 2013, WOS

ADCA79 GURYČOVÁ, D. - VÝROSTEKOVÁ, V. - KHANAKAH, G. - KOCIANOVÁ, Elena - STANEK, G. Importance of surveillance of the tularemia natural foci in epidemic area of Central Europe. In *Wiener Klinische Wochenschrift : the middle european journal of medicine*, 2001, vol. 113, p. 433-438. (2001 - Current Contents).

Ohlasy:

1. [1.1] Origi, FC (Origi, Francesco C.)[1,2] ; Wu, N (Wu, Natacha)[2] ; Pilo, P Francisella tularensis infection in a stone marten (Martes foina) without classic pathological lesions consistent with tularemia JOURNAL OF VETERINARY DIAGNOSTIC INVESTIGATION Volume: 25 Issue: 4 Pages: 519-521, 2013, WOS
2. [1.1] Gehring, H (Gehring, Heike)[1] ; Schacht, E (Schacht, Erik)[3] ; Maylaender, N (Maylaender, Nicole)[1] ; Zeman, E (Zeman, Ella)[1] ; Kaysser, P (Kaysser, Philipp)[1] ; Oehme, R (Oehme, Rainer)[2] ; Pluta, S (Pluta, Silvia)[4] ; Splettstoesser, WD (Splettstoesser, Wolf D.)[1] Presence of an emerging subclone of Francisella tularensis holarctica in Ixodes ricinus ticks from south-western Germany TICKS AND TICK-BORNE DISEASES Volume: 4 Issue: 1-2 Pages: 93-100, 2013, WOS

3. [3] Koenen, F (Koenen, Frank)[1] ; Pascucci, I (Pascucci, Ilaria)[2] ; Jaenson, TGT (Jaenson, Thomas G. T.)[3] ; Madder, M (Madder, Maxime)[4,5] ; de Sousa, R (de Sousa, Rita)[6] ; Estrada-Pena, A (Estrada-Pena, Agustin)[7] ; Farkas, R (Farkas, Robert)[8] ; Salman, M (Salman, Mo)[9] Tick-borne Infections (Including Zoonoses) in Europe and the Mediterranean Basin TICKS AND TICK-BORNE DISEASES: GEOGRAPHICAL DISTRIBUTION AND CONTROL STRATEGIES IN THE EURO-ASIA REGION Pages: 33-75 Published: 2013

ADCA80 GURYČOVÁ, D. - KOČIANOVÁ, Elena - VYROSTEKOVÁ, V. - ŘEHÁČEK, Josef. Prevalence of ticks infected with *Francisella tularensis* in natural foci of tularemia in western Slovakia. In *European Journal of Epidemiology*, 1995, vol. 11, no. 4, p.469 - 474. (0.595 - IF1994). (1995 - Current Contents).

Ohlasy:

1. [1.1] Kreizinger, Z (Kreizinger, Zsuzsa)[1] ; Hornok, S (Hornok, Sandor)[2] ; Dan, A (Dan, Adam)[3] ; Hresko, S (Hresko, Stanislav)[4,5] ; Makrai, L (Makrai, Laszlo)[2] ; Magyar, T (Magyar, Tibor)[1] ; Bhide, M (Bhide, Mangesh)[4,5] ; Erdelyi, K (Erdelyi, Karoly)[3] ; Hofmann-Lehmann, R (Hofmann-Lehmann, Regina)[6] ; Gyuranecz, M Prevalence of *Francisella tularensis* and *Francisella*-Like Endosymbionts in the Tick Population of Hungary and the Genetic Variability of *Francisella*-Like Agents VECTOR-BORNE AND ZOONOTIC DISEASES Volume: 13 Issue: 3 Pages: 160-163, 2013, WOS
2. [1.1] Gehringer, H (Gehringer, Heike)[1] ; Schacht, E (Schacht, Erik)[3] ; Maylaender, N (Maylaender, Nicole)[1] ; Zeman, E (Zeman, Ella)[1] ; Kaysser, P (Kaysser, Philipp)[1] ; Oehme, R (Oehme, Rainer)[2] ; Pluta, S (Pluta, Silvia)[4] ; Splettstoesser, WD (Splettstoesser, Wolf D.)[1] Presence of an emerging subclone of *Francisella tularensis* holarctica in *Ixodes ricinus* ticks from south-western Germany TICKS AND TICK-BORNE DISEASES Volume: 4 Issue: 1-2 Pages: 93-100 , 2013, WOS
3. [3] Koenen, F (Koenen, Frank)[1] ; Pascucci, I (Pascucci, Ilaria)[2] ; Jaenson, TGT (Jaenson, Thomas G. T.)[3] ; Madder, M (Madder, Maxime)[4,5] ; de Sousa, R (de Sousa, Rita)[6] ; Estrada-Pena, A (Estrada-Pena, Agustin)[7] ; Farkas, R (Farkas, Robert)[8] ; Salman, M Tick-borne Infections (Including Zoonoses) in Europe and the Mediterranean Basin TICKS AND TICK-BORNE DISEASES: GEOGRAPHICAL DISTRIBUTION AND CONTROL STRATEGIES IN THE EURO-ASIA REGION Pages: 33-75 , 2013

ADCA81 GUT, M.O. - PARKKILA, S. - VERNEROVÁ, Z. - ROHDE, E. - ZÁVADA, Ján - HOCKER, M. - PASTOREK, Jaromír - KARTTUNEN, T.J. - GIBADULINOVÁ, Adriana - ZÁVADOVÁ, Zuzana - KNOBELOCH, K.P. - WIEDENMANN, B.K. - SVOBODA, J. - HORÁK, I. - PASTOREKOVÁ, Silvia. Gastric hyperlasia in mice with targeted disruption of the carbonic anhydrase. In *Gastroenterology*. - Philadelphia, PA 19106-3399 : W.B. SAUNDERS CO, 2002, vol. 123, no. 6, p. 1889-1903. (13.020 - IF2001).

Ohlasy:

1. [1.1] Abe, Shinichi; Nakao, Tadashi (nakaotadashi@tdc.ac.jp) ; Yoshihito, Toshihito; Parkkla, Seppo; Murakami, Gen; Cho, Baik Hwan Expression of carbonic anhydrase in the fetal eye and extra-ocular tissues Okajimas Folia Anatomica Japonica Volume:90 Issue:3 Pages:59-68 , 2013, WOS
2. [1.1] Hayakawa, Y.a, Fox, J.G.b, Gonda, T.a, Worthley, D.L.a, Muthupalani, S.b, Wang, T.C. Mouse models of gastric cancer Cancers Volume 5, Issue 1, March 2013, Pages 92-130, WOS

ADCA82 HAAPASALO, Joonas A. - NORDFORS, Kristiina M. - HILVO, M. - RANTALA, Immo J. - SOINI, Ylermi - PARKKILA, A.K. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - PARKKILA, Seppo M. - HAAPASALO, Hannu K. Expression of carbonic anhydrase IX in astrocytic tumors predicts poor prognosis. In *Clinical Cancer Research*, 2006, vol. 12, no. 2, p. 473 - 477. (7.338 - IF2005). ISSN 1078-0432.

Ohlasy:

1. [1.1] Ilie, M (Ilie, Marius)[1,2,3] ; Hofman, V (Hofman, Veronique)[1,2,3,4] ; Zangari, J (Zangari, Josephine)[2,3] ; Chiche, J (Chiche, Johanna)[5] ; Mouroux, J (Mouroux, Jerome)[2,3,6] ; Mazure, NM (Mazure, Nathalie M.)[3,7] ; Pouyssegur, J (Pouyssegur, Jacques)[3,7] ; Brest, P (Brest, Patrick)[2,3] ; Hofman, P Response of CAIX and CAXII to in vitro re-oxygenation and clinical significance of the combined expression in NSCLC patients LUNG CANCER Volume: 82 Issue: 1 Pages: 16-23, 2013, WOS
2. [1.1] Gieling, Roben G.; Williams, Kaye J. Carbonic anhydrase IX as a target for metastatic

disease BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1470-1476

Published: MAR 15 2013, WOS

3. [1.1] Said, Harun M. Determination Human Brain Tumor Marker Gene Carbonic Anhydrase 9 (CA9) Gene Expression in Different type of Brain Tumor Cells Book Group Author(s): IEEE 2013 ICME INTERNATIONAL CONFERENCE ON COMPLEX MEDICAL ENGINEERING (CME) Pages: 403-407

Published: 2013, SCOPUS

ADCA83 HAAPASALO, J. - HILVO, M. - NORDFORS, K. - HAAPASALO, H. - PARKKILA, S. - HYRSKYLUOTO, A. - RANTALA, I. - WAHEED, A. - SLY, W.S. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - PARKKILA, Anna-Kaisa. Identification of an alternatively spliced isoform of carbonic anhydrase XII in diffusely infiltrating astrocytic gliomas. In *Neuro - oncology*, 2008, vol. 10, no.2, p. 131 - 138. (5.806 - IF2007). (2008 - Current Contents). ISSN 1522-8517.

Ohlasy:

1. [1.1] Ilie, M (Ilie, Marius)[1,2,3] ; Hofman, V (Hofman, Veronique)[1,2,3,4] ; Zangari, J (Zangari, Josephine)[2,3] ; Chiche, J (Chiche, Johanna)[5] ; Mouroux, J (Mouroux, Jerome)[2,3,6] ; Mazure, NM (Mazure, Nathalie M.)[3,7] ; Pouyssegur, J (Pouyssegur, Jacques)[3,7] ; Brest, P (Brest, Patrick)[2,3] ; Hofman, P Response of CAIX and CAXII to in vitro re-oxygenation and clinical significance of the combined expression in NSCLC patients LUNG CANCER Volume: 82 Issue: 1 Pages: 16-23, 2013, WOS

2. [1.1] Ilie, MI (Ilie, Marius I.)(1,2,3] ; Lassalle, S (Lassalle, Sandra)[1,2,3] ; Long-Mira, E (Long-Mira, Elodie)[1,2,3] ; Hofman, V (Hofman, Veronique)[1,2,3] ; Zangari, J (Zangari, Josephine)[2] ; Benaim, G (Benaim, Gilles)[1] ; Bozec, A (Bozec, Alexandre)[2,4] ; Guevara, N (Guevara, Nicolas)[4] ; Haudebourg, J (Haudebourg, Juliette)[5] ; Birtwisle-Peyrottes, I (Birtwisle-Peyrottes, Isabelle)[5] ; Santini, J (Santini, Jose)[4] ; Brest, P (Brest, Patrick)[2] ; Hofman, P In papillary thyroid carcinoma, TIMP-1 expression correlates with BRAF(V600E) mutation status and together with hypoxia-related proteins predicts aggressive behavior VIRCHOWS ARCHIV Volume: 463 Issue: 3 Pages: 437-444, 2013, WOS

3. [1.1] Jogaite, V (Jogaite, Vaida)[1] ; Zubriene, A (Zubriene, Asta)[1] ; Michailoviene, V (Michailoviene, Vilma)[1] ; Glylte, J (Gylte, Joana)[1] ; Morkunaite, V (Morkunaite, Vaida)[1] ; Matulis, D Characterization of human carbonic anhydrase XII stability and inhibitor binding BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1431-1436, 2013, WOS

ADCA84 HAJNICKÁ, Valéria - KOCÁKOVÁ, Pavlína - LAHOVÁ, Monika - SLOVÁK, Mirko - GAŠPERÍK, Juraj - FUCHSBERGER, Norbert - NUTTALL, Patricia A. Anti-interleukin 8 activity of tick salivary gland extracts. In *Parasite Immunology*, 2001, vol. 23 no. 9, p. 483-489. (2001 - Current Contents).

Ohlasy:

1. [1.1] Wikel, Stephen Ticks and tick-borne pathogens at the cutaneous interface: host defenses, tick countermeasures, and a suitable environment for pathogen establishment FRONTIERS IN MICROBIOLOGY Volume: 4 Article Number: 337 Published: NOV 19 2013, WOS

2. [1.1] KAZIMIROVA, M. - STIBRANIOVA, I. Tick salivary compounds: their role in modulation of host defences and pathogen transmission. In FRONTIERS IN CELLULAR AND INFECTION MICROBIOLOGY. AUG 2013, vol. 3., WOS

3. [1.1] RODRIGUEZ-VALLE, M. - MOOLHUIJZEN, P. - PIPER, E.K. - WEISS, O. - VANCE, M. - BELLGARD, M. - LEW-TABOR, A. Rhipicephalus microplus lipocalins (LRMs): Genomic identification and analysis of the bovine immune response using in silico predicted B and T cell epitopes. In INTERNATIONAL JOURNAL FOR PARASITOLOGY. AUG 2013, vol. 43, no. 9, p. 739-752., WOS

ADCA85 HAJNICKÁ, Valéria - KOŠTÁLOVÁ, Daniela - ŠVECOVÁ, Ružena - FUCHSBERGER, Norbert - TOTH, J. Effect of Mahonia aquifolium Active Compounds on Interleukin-8 Production in the Human Monocytic Cell Line THP-1. In *Planta Medica : natural products and medicinal plant research*, 2002, vol. 68, p. 266-268. (2.080 - IF2001). (2002 - Current Contents).

Ohlasy:

1. [1.2] Deng, S., May, B.H., Zhang, A.L., Lu, C., Xue, C.C.L. Plant extracts for the topical

management of psoriasis: A systematic review and meta-analysis British Journal of Dermatology
Volume 169, Issue 4, October 2013, Pages 769-782, SCOPUS

ADCA86 HAJNICKÁ, Valéria - KOCÁKOVÁ, Pavlína - SLOVÁK, Mirko - LABUDA, Milan - FUCHSBERGER, Norbert - NUTTALL, Patricia A. Inhibition of the antiviral action of interferon by tick salivary gland extract. In *Parasite Immunology*, 2000, vol. 22, p. 201-206. (2.014 - IF1999). (2000 - Current Contents).

Ohlasy:

1. [1.1] Wikel, Stephen Ticks and tick-borne pathogens at the cutaneous interface: host defenses, tick countermeasures, and a suitable environment for pathogen establishment FRONTIERS IN MICROBIOLOGY Volume: 4 Article Number: 337 Published: NOV 19 2013, WOS

ADCA87 HAJNICKÁ, Valéria - VANČOVÁ, Iveta - SLOVÁK, Mirko - KOCÁKOVÁ, Pavlína - NUTTALL, Patricia A. Ixodid tick salivary gland products target host wound healing growth factors. In *International Journal for Parasitology*, 2011, vol. 41, no. 2, p. 213 - 223. (3.822 - IF2010). (2011 - Current Contents). ISSN 0020-7519.

Ohlasy:

1. [1.1] Poole, NM (Poole, Nina M.)[1,3] ; Mamidanna, G (Mamidanna, Gayatri)[1] ; Smith, RA (Smith, Richard A.)[2] ; Coons, LB (Coons, Lewis B.)[1] ; Cole, JA (Cole, Judith A.)[1] Prostaglandin E-2 in tick saliva regulates macrophage cell migration and cytokine profile PARASITES & VECTORS Volume: 6 Article Number: 261, 2013, WOS
2. [1.1] Poole, NM (Poole, Nina M.)[1] ; Nyindodo-Ogari, L (Nyindodo-Ogari, Lilian)[1] ; Kramer, C (Kramer, Carolyn)[1] ; Coons, LB (Coons, Lewis B.)[1] ; Cole, JA (Cole, Judith A.)[1] Effects of tick saliva on the migratory and invasive activity of Saos-2 osteosarcoma and MDA-MB-231 breast cancer cells TICKS AND TICK-BORNE DISEASES Volume: 4 Issue: 1-2 Pages: 120-127, 2013, WOS

ADCA88 HAJNICKÁ, Valéria - VANČOVÁ, Iveta - KOCÁKOVÁ, Pavlína - SLOVÁK, Mirko - GAŠPERÍK, Juraj - LAHOVÁ, Monika - HAILS, R.S. - LABUDA, Milan - NUTTALL, Patricia A. Manipulation of host cytokine network by ticks: a potential gateway for pathogen transmission. In *Parasitology*, 2005, vol. 130, no.3, p. 333-342. (1.685 - IF2004). (2005 - Current Contents). ISSN 0031-1820.

Ohlasy:

1. [1.1] DERUAZ, M. - BONVIN, P. - SEVERIN, I.C. - JOHNSON, Z. - KROHN, S. - POWER, C.A. - PROUDFOOT, A.E.I. Evasin-4, a tick-derived chemokine-binding protein with broad selectivity can be modified for use in preclinical disease models. In FEBS JOURNAL. OCT 2013, vol. 280, no. 19, p. 4876-4887., WOS
2. [1.1] POOLE, N.M. - MAMIDANNA, G. - SMITH, R.A. - COONS, L.B. - COLE, J.A. Prostaglandin E-2 in tick saliva regulates macrophage cell migration and cytokine profile. In PARASITES & VECTORS. SEP 11 2013, vol. 6. Article Number: 261, WOS
3. [1.1] DIAZ-MARTIN, V. - MANZANO-ROMAN, R. - VALERO, L. - OLEAGA, A. - ENCINAS-GRANDES, A. - PEREZ-SANCHEZ, R. An insight into the proteome of the saliva of the argasid tick Ornithodoros moubata reveals important differences in saliva protein composition between the sexes. In JOURNAL OF PROTEOMICS. MAR 27 2013, vol. 80, p. 216-235., WOS
4. [1.1] HAI, V.V. - ALMERAS, L. - AUDEBERT, S. - POPHILLAT, M. - BOULANGER, N. - PAROLA, P. - RAOULT, D. - PAGES, F. Identification of salivary antigenic markers discriminating host exposition between two European ticks: Rhipicephalus sanguineus and Dermacentor reticulatus. In COMPARATIVE IMMUNOLOGY MICROBIOLOGY AND INFECTIOUS DISEASES. JAN 2013, vol. 36, no. 1, p. 39-53., WOS

ADCA89 HANINCOVÁ, Klára - TARAGEL'OVÁ, Veronika - KOČI, Juraj - SCHÄFFER, S.M. - HAILS, R. - ULLMANN, A.J. - PIESMAN, J. - LABUDA, Milan - KURTENBACH, K. Association of Borrelia garinii and B-valaisiana with songbirds in Slovakia. In *Applied and Environmental Microbiology*, 2003, vol. 69, no. 5, p. 2825-2830 DOI: 10.1128/AEM.69.5.2825-2830.2003. (3.691 - IF2002). (2003 - Current Contents). ISSN 0099-2240.

Ohlasy:

1. [1.1] RICHTER, Dania - SCHROEDER, Boris - HARTMANN, Niklas K. - MATUSCHKA, Franz-Rainer.

- Spatial stratification of various Lyme disease spirochetes in a Central European site. In FEMS MICROBIOLOGY ECOLOGY. ISSN 0168-6496, MAR 2013, vol. 83, no. 3, p. 738-744., WOS
2. [1.1] JAMES, M. C. - BOWMAN, A. S. - FORBES, K. J. - LEWIS, F. - MCLEOD, J. E. - GILBERT, L. Environmental determinants of Ixodes ricinus ticks and the incidence of Borrelia burgdorferi sensu lato, the agent of Lyme borreliosis, in Scotland. In PARASITOLOGY. ISSN 0031-1820, FEB 2013, vol. 140, no. 2, p. 237-246., WOS
3. [1.1] MARSOT, Maud - CHAPUIS, Jean-Louis - GASQUI, Patrick - DOZIERES, Anne - MASSEGLIA, Sebastien - PISANU, Benoit - FERQUEL, Elisabeth - VOUREC'H, Gwenael. Introduced Siberian Chipmunks (Tamias sibiricus barberi) Contribute More to Lyme Borreliosis Risk than Native Reservoir Rodents. In PLOS ONE. ISSN 1932-6203, JAN 31 2013, vol. 8, no. 1., WOS
4. [1.1] FRANKE, Jan - HILDEBRANDT, Anke - DORN, Wolfram. Exploring gaps in our knowledge on Lyme borreliosis spirochaetes - Updates on complex heterogeneity, ecology, and pathogenicity. In TICKS AND TICK-BORNE DISEASES. ISSN 1877-959X, 2013, vol. 4, no. 1-2, p. 11-25., WOS
5. [1.1] Wilhelmsson, Peter; Lindblom, Pontus; Fryland, Linda; et al. (2013) Prevalence, Diversity, and Load of Borrelia species in Ticks That Have Fed on Humans in Regions of Sweden and angstrom land Islands, Finland with Different Lyme Borreliosis Incidences PLOS ONE Volume: 8 Issue: 11 Article Number: e81433, WOS
6. [1.1] Margos, Gabriele; Wilske, Bettina; Sing, Andreas; et al. (2013) Borrelia bavariensis sp nov is widely distributed in Europe and Asia INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY Volume: 63 Pages: 4284-4288 Part: 11, WOS
7. [1.1] Geller, Julia; Nazarova, Lidia; Katargina, Olga; et al. (2013) Borrelia burgdorferi sensu lato prevalence in tick populations in Estonia PARASITES & VECTORS Volume: 6 Article Number: 202, WOS
8. [1.1] Coipan, Elena Claudia; Jahfari, Setareh; Fonville, Manoj; et al. (2013) Spatiotemporal dynamics of emerging pathogens in questing Ixodes ricinus FRONTIERS IN CELLULAR AND INFECTION MICROBIOLOGY Volume: 3 Article Number: 36, WOS
9. [1.1] Geller, Julia; Nazarova, Lidia; Katargina, Olga; et al. (2013) Tick-Borne Pathogens in Ticks Feeding on Migratory Passerines in Western Part of Estonia VECTOR-BORNE AND ZOONOTIC DISEASES Volume: 13 Issue: 7 Pages: 443-448, WOS
10. [1.1] Bettridge, Judy; Renard, Marine; Zhao, Fan; et al. (2013) Distribution of Borrelia burgdorferi sensu lato in Ixodes ricinus Populations Across Central Britain VECTOR-BORNE AND ZOONOTIC DISEASES Volume: 13 Issue: 3 Pages: 139-146, WOS
11. [1.1] Bona, Martin; Stanko, Michal (2013) . First records of the tick Ixodes frontalis (Panzer, 1795) (Acari, Ixodidae) in Slovakia TICKS AND TICK-BORNE DISEASES Volume: 4 Issue: 6 Pages: 478-481, WOS
12. [1.1] Gassner, Fedor; Hartemink, Nienke / Edited by: Takken, W; Koenraadt, CJM (2013) Tick - Borrelia interactions: burden or benefit? ECOLOGY OF PARASITE-VECTOR INTERACTIONS Book Series: Ecology and Control of Vector-Borne Diseases Volume: 3 Pages: 141-154, WOS
13. [1.1] Gassner, Fedor; Takken, Willem; Lombaers-van der Plas, Carin; et al (2013) Rodent species as natural reservoirs of Borrelia burgdorferi sensu lato in different habitats of Ixodes ricinus in The Netherlands TICKS AND TICK-BORNE DISEASES Volume: 4 Issue: 5 Pages: 452-458, WOS

ADCA90 HAVLÍKOVÁ, Sabina - ROLLER, Ladislav - KOČI, Juraj - TRIMNELL, A.R. - KAZIMÍROVÁ, Mária - KLEMPA, Boris - NUTTALL, Patricia A. Functional role of 64P, the candidate transmission-blocking vaccine antigen from the tick, Rhipicephalus appendiculatus. In *International Journal for Parasitology*, 2009, vol. 39, no. 13, p. 1485-1494. (3.752 - IF2008). (2009 - Current Contents). ISSN 0020-7519.

Ohlasy:

1. [1.1] de la FUENTE José, MERINO Octavio (2013) Vaccinomics, the new road to tick vaccines. VACCINE Volume 31, Issue 50, Pages 5923–5929 DOI: 10.1016/j.vaccine.2013.10.049, WOS
2. [1.1] MERINO Octavio, PILAR Alberdi, PEREZ de la LASTRA Jose M., de la FUENTE Jose (2013) Tick vaccines and the control of tick-borne pathogens FRONTIERS IN CELLULAR AND INFECTION MICROBIOLOGY Volume: 3 Article Number: 30,, WOS
3. [1.1] ULLMANN, A. J., DOLAN, M. C., SACKAL, C. A., FIKRIG, E., PIESMAN, J., ZEIDNER, N. S. (2013) Immunization with adenoviral-vectored tick salivary gland proteins (SALPs) in a murine model of

Lyme borreliosis TICKS AND TICK-BORNE DISEASES Volume: 4 Issue: 1-2 Pages: 160-163, WOS
4. [1.1] OLDS Cassandra, BISHOP Richard, DAUBENBERGER Claudia. (2013) Anti-tick Vaccines for the Control of Ticks Affecting Livestock. Book Part III. P. 295-311 DOI:10.1007/978-3-7091-1419-3_17
In: GIESE Matthias (ed) MOLECULAR VACCINES. From Prophylaxis to Therapy - Volume 1. Springer Vienna, 2013. 359 pp Print ISBN:978-3-7091-1418-6, WOS

ADCA91 HAVLÍKOVÁ, Sabina - LIČKOVÁ, Martina - AYLLÓN, Nieves - ROLLER, Ladislav - KAZIMÍROVÁ, Mária - SLOVÁK, Mirko - MORENO-CID, Juan A. - PÉREZ DE LA LASTRA, José M. - KLEMPA, Boris - DE LA FUENTE, J. Immunization with recombinant subolesin does not reduce tick infection with tick-borne encephalitis virus nor protect mice against disease. In *Vaccine*, 2013, vol. 31, no. 12, p. 1582–1589. (3.492 - IF2012). (2013 - Current Contents). ISSN 0264-410X.

Ohlasy:

1. [1.1] VU HAI Vinh, PAGES Frederic, BOULANGER Nathalie, AUDEBERT Stephane, PAROLA Philippe, ALMERAS Lionel (2013) Immunoproteomic identification of antigenic salivary biomarkers detected by Ixodes ricinus-exposed rabbit sera. TICKS AND TICK-BORNE DISEASES Volume: 4 Issue: 5 Pages: 459-468 DOI:10.1016/j.ttbdis.2013.06.001, WOS
2. [1.1] CUNHA Rodrigo Casquero, ANDREOTTI Renato, GARCIA Marcos Valerio, RANGEL AGUIRRE Andre de Abreu, LEITAO Alexandre (2013) Calculation of the efficacy of vaccines against tick infestations on cattle. REVISTA BRASILEIRA DE PARASITOLOGIA VETERINARIA Volume: 22 Issue: 4 Pages: 571-578 DOI: 10.1590/S1984-29612013000400019. WOS:000330849100019., WOS
3. [3] VU HAI, Vinh. (2013) Salivary antigenic proteins from Ixodidae and Anopheles: a novel tool for vector-borne diseases monitoring.. PhD Dissertation. Aix-Marseille Université, Faculté de Médecine de Marseille, Ecole Doctorale des Sciences de la Vie et de la Santé. 201 pp. www.theses.fr/2013AIXM5052.pdf, Google Scholar

ADCA92 HERNYCHOVÁ, L. - TOMAN, Rudolf - ČIAMPOR, Fedor - HUBÁLEK, M. - VACKOVÁ, J. - MACELA, A. - ŠKULTÉTY, Ľudovít. Detection and identification of Coxiella burnetii based on the mass spectrometric analyses of the extracted proteins. In *Analytical Chemistry*, 2008, vol. 80, no.18, p. 7097 - 7104. (5.287 - IF2007). (2008 - Current Contents). ISSN 0003-2700.

Ohlasy:

1. [1.2] Biswas, S., Rolain, J.-M. Use of MALDI-TOF mass spectrometry for identification of bacteria that are difficult to culture *Journal of Microbiological Methods* 92 (1) , pp. 14-24 , 2013, SCOPUS
2. [1.2] Vranakis, I., Papadioti, A., Tselentis, Y., Psaroulaki, A., Tsiotis, G. The contribution of proteomics towards deciphering the enigma of Coxiella burnetii *Proteomics - Clinical Applications* 7 (1-2) , pp. 193-204 , 2013, SCOPUS

ADCA93 HILBINK, F. - PENROSE, M. - KOVÁČOVÁ, Elena - KAZÁR, Ján. Q-fever is absent from New Zealand. In *International Journal of Epidemiology*, 1993, vol. 22, no.5, p.945-949.

Ohlasy:

1. [1.1] Knobel, DL (Knobel, Darryn L.)[1] ; Maina, AN (Maina, Alice N.)[2] ; Cutler, SJ (Cutler, Sally J.)[3] ; Ogola, E (Ogola, Eric); Feikin, DR (Feikin, Daniel R.)[4,5] ; Junghae, M (Junghae, Muthoni); Halliday, JEB (Halliday, Jo E. B.)[6] ; Richards, AL (Richards, Allen L.)[2] ; Breiman, RF (Breiman, Robert F.); Cleaveland, S (Cleaveland, Sarah)[6] ; Njenga, MK Coxiella burnetii in Humans, Domestic Ruminants, and Ticks in Rural Western Kenya *AMERICAN JOURNAL OF TROPICAL MEDICINE AND HYGIENE* Volume: 88 Issue: 3 Pages: 513-518 , 2013, WOS

ADCA94 HILVO, M. - BARANAUSKIENE, L. - SALZANO, Anna Maria - SCALONI, A. - MATULIS, D. - INNOCENTI, A. - SCOZZAFAVA, A. - MONTI, Simona M. - FIORE, Anna Di - SIMONE, Giuseppina De - LINDFORS, M. - JÄNIS, J. - VALJAKKA, J. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - KULOMAA, M.S. - NORDLUND, Henri R. - SUPURAN, C.T. - PARKKILA, S. Biochemical characterization of CA IX, one of the most active carbonic anhydrase isozymes. In *Journal of Biological Chemistry*, 2008, vol. 283, no. 41, p. 27799 - 27809. (5.581 - IF2007). (2008 - Current Contents). ISSN 0021-9258.

Ohlasy:

1. [1.1] Kawai, Y (Kawai, Yoshiko)[1] ; Kaidoh, M (Kaidoh, Maki)[1] ; Yokoyama, Y (Yokoyama,

- Yumiko)[1] ; Ohhashi, T Cell surface F-1/F-0 ATP synthase contributes to interstitial flow-mediated development of the acidic microenvironment in tumor tissues AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY Volume: 305 Issue: 11 Pages: C1139-C1150, 2013, WOS
2. [1.1] Santi, A (Santi, Alice)[1] ; Caselli, A (Caselli, Anna)[1] ; Paoli, P (Paoli, Paolo)[1] ; Corti, D (Corti, Denise)[1] ; Camici, G (Camici, Guido)[1] ; Pieraccini, G (Pieraccini, Giuseppe)[2] ; Taddei, ML (Taddei, Maria Letizia)[1] ; Serni, S (Serni, Sergio)[3] ; Chiarugi, P (Chiarugi, Paola)[1] ; Cirri, P The effects of CA IX catalysis products within tumor microenvironment CELL COMMUNICATION AND SIGNALING Volume: 11 Article, Number: 81, 2013, WOS
3. [1.1] Wang, ZC (Wang, Zhong-Chang)[1] ; Qin, YJ (Qin, Ya-Juan)[1] ; Wang, PF (Wang, Peng-Fei)[1] ; Yang, YA (Yang, Yong-An)[1] ; Wen, Q (Wen, Qing)[1] ; Zhang, X (Zhang, Xin)[1] ; Qiu, HY (Qiu, Han-Yue)[1] ; Duan, YT (Duan, Yong-Tao)[1] ; Wang, YT (Wang, Yan-Ting)[1] ; Sang, YL (Sang, Ya-Li)[1] ; Zhu, HL Sulfonamides containing coumarin moieties selectively and potently inhibit carbonic anhydrases II and IX: Design, synthesis, inhibitory activity and 3D-QSAR analysis EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY Volume: 66 Pages: 1-11, 2013, WOS
4. [1.1] Aggarwal, Mayank; Kondeti, Bhargav; McKenna, Robert Anticonvulsant/antiepileptic carbonic anhydrase inhibitors: a patent review EXPERT OPINION ON THERAPEUTIC PATENTS Volume: 23 Issue: 6 Pages: 717-724 Published: JUN 2013, WOS
5. [1.1] Buyukkidan, N (Buyukkidan, Nurgun)[1] ; Buyukkidan, B (Buyukkidan, Bulent)[1] ; Bulbul, M (Bulbul, Metin)[1] ; Ozer, S (Ozer, Salih)[1] ; Yalcin, HG Synthesis and characterization of phenolic Mannich bases and effects of these compounds on human carbonic anhydrase isozymes I and II JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY Volume: 28 Issue: 2 Pages: 337-342, 2013, WOS
6. [1.1] Aggarwal, Mayank; Kondeti, Bhargav; McKenna, Robert Insights towards sulfonamide drug specificity in alpha-carbonic anhydrases BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1526-1533 Published: MAR 15 2013, WOS
7. [1.1] Hassan, MI (Hassan, Md Imtaiyaz)[1,3] ; Shajee, B (Shajee, Bushra)[2] ; Waheed, A (Waheed, Abdul)[3] ; Ahmad, F (Ahmad, Faizan)[1] ; Sly, WS Structure, function and applications of carbonic anhydrase isozymes BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1570-1582, 2013, WOS
8. [1.1] Gulcin, Ilhami; Beydemir, Sukru Phenolic Compounds as Antioxidants: Carbonic Anhydrase Isoenzymes Inhibitors MINI-REVIEWS IN MEDICINAL CHEMISTRY Volume: 13 Issue: 3 Pages: 408-430 Published: MAR 2013, WOS

ADCA95 HILVO, M. - RAFAJOVÁ, Monika - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - PARKKILA, S. Expression of Carbonic Anhydrase IX in Mouse Tissues. In *Journal of Histochemistry & Cytochemistry*, 2004, vol. 52, no.10, p. 1313- 1321. (2.408 - IF2003). (2004 - Current Contents). ISSN 0022-1554.

Ohlasy:

1. [1.1] Said, HM (Said, Harun M.)([1] ; Hagemann, C (Hagemann, Carsten)[2] ; Carta, F (Carta, Fabrizio)[3] ; Katzer, A (Katzer, Astrid)[1] ; Polat, B (Polat, Buelent)[1] ; Staab, A (Staab, Adrian)[4] ; Scozzafava, A (Scozzafava, Andrea)[3] ; Anacker, J (Anacker, Jelena)[5] ; Vince, GH (Vince, Giles H.)([2,6] ; Flentje, M (Flentje, Michael)[1] ; Supuran, CT Hypoxia induced CA9 inhibitory targeting by two different sulfonamide derivatives including Acetazolamide in human Glioblastoma BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 13 Pages: 3949-3957, 2013, WOS
2. [1.1] Carta, Fabrizio; Supuran, Claudiu T. Diuretics with carbonic anhydrase inhibitory action: a patent and literature review (2005-2013) EXPERT OPINION ON THERAPEUTIC PATENTS Volume: 23 Issue: 6 Pages: 681-691 Published: JUN 2013, WOS
3. [1.1] Maruyama, T (Maruyama, Toshifumi)[1,2] ; Miyamoto, Y (Miyamoto, Yoichi)[1] ; Yamamoto, G (Yamamoto, Gou)[3] ; Yamada, A (Yamada, Atsushi)[1] ; Yoshimura, K (Yoshimura, Kentaro)[1] ; Suzawa, T (Suzawa, Tetsuo)[1] ; Takami, M (Takami, Masamichi)[1] ; Akiyama, T (Akiyama, Tomohito)[1,2] ; Hoshino, M (Hoshino, Marie)[1,2] ; Iwasa, F (Iwasa, Fuminori)[2] ; Ikumi, N (Ikumi, Noriharu)[1] ; Tachikawa, T (Tachikawa, Tetsuhiko)[3] ; Mishima, K (Mishima, Kenji)[3] ; Baba, K (Baba, Kazuyoshi)[2] ; Kamijo, R Downregulation of Carbonic Anhydrase IX Promotes Col10a1 Expression in Chondrocytes PLOS ONE Volume: 8 Issue: 2, Article Number: e56984, 2013, WOS

4. [3] Said, Harun M. Determination Human Brain Tumor Marker Gene Carbonic Anhydrase 9 (CA9) Gene Expression in Different type of Brain Tumor Cells Book Group Author(s): IEEE 2013 ICME INTERNATIONAL CONFERENCE ON COMPLEX MEDICAL ENGINEERING (CME) Pages: 403-407 Published: 2013
5. [1.2] Rana, S.abc, Nissen, F.abc, Lindner, T.abc, Altmann, A.abc, Mier, W.abc, Debus, J.abc, Haberkorn, U.abc, Askoxylakis, V. Screening of a novel peptide targeting the proteoglycan-Like region of human carbonic anhydrase 9 Molecular Imaging Volume 12, Issue 8, November 2013, SCOPUS
6. [1.2] Maruyama, T.ab, Miyamoto, Y.a, Yamamoto, G.c, Yamada, A.a, Yoshimura, K.a, Suzawa, T.a, Takami, M.a, Akiyama, T.ab, Hoshino, M.ab, Iwasa, F.b, Ikumi, N.a, Tachikawa, T.c, Mishima, K.c, Baba, K.b, Kamijo, R. Downregulation of Carbonic Anhydrase IX Promotes Col10a1 Expression in Chondrocytes PLoS ONE Volume 8, Issue 2, 18 February 2013, Article number e56984, SCOPUS

ADCA96 HONSTETTRE, A. - GHIGO, E. - MOYNAULT, A. - CAPO, Ch. - TOMAN, Rudolf - AKIRA, S. - TAKEUCHI, O. - LEPIDI, H. - RAOULT, D. - MEGE, Jean-Louis. Lipopolysaccharide from *Coxiella burnetii* is involved in bacterial phagocytosis, filamentous actin reorganization, and inflammatory responses through toll-like receptor 4. In *The Journal of immunology : Official Journal of the American Association of Immunologists*. - Baltimore : American Association of Immunologists, 2004, vol. 172, p. 3695 - 3703. ISSN 0022-1767.

Ohlasy:

1. [1.1] Roest, HJ (Roest, Hendrik I. J.)[1] ; Bossers, A (Bossers, Alex)[2] ; van Zijderveld, FG (van Zijderveld, Fred G.)[1] ; Rebel, JML Clinical microbiology of *Coxiella burnetii* and relevant aspects for the diagnosis and control of the zoonotic disease Q fever VETERINARY QUARTERLY Volume: 33 Issue: 3 Pages: 148-160, 2013, WOS
2. [1.1] van Schaik, EJ (van Schaik, Erin J.)[1] ; Chen, C (Chen, Chen)[1] ; Mertens, K (Mertens, Katja)[1] ; Weber, MM (Weber, Mary M.)[1] ; Samuel, JE Molecular pathogenesis of the obligate intracellular bacterium *Coxiella burnetii* NATURE REVIEWS MICROBIOLOGY Volume: 11 Issue: 8 Pages: 561-573, 2013, WOS
3. [1.1] Bewley, K.R. Animal models of Q fever (*Coxiella burnetii*) Comparative Medicine Volume 63, Issue 6, December 2013, Pages 469-476, SCOPUS

ADCA97 HOWE, D. - MELNIČÁKOVÁ, Jana - BARÁK, Imrich - HEINZEN, R.A. Fusogenicity of the *Coxiella burnetii* Parasitophorous Vacuole. In *Annals of the New York Academy of Sciences*, 2003, vol. 990, p. 556-562. (1.682 - IF2002). ISSN 0077-8923.

Ohlasy:

1. [1.1] SHERWOOD, R.K. - ROY, C.R. A Rab-Centric Perspective of Bacterial Pathogen-Occupied Vacuoles. In CELL HOST & MICROBE. SEP 11 2013, vol. 14, no. 3, p. 256-268., WOS
2. [1.1] VAN SCHAİK, E.J. - CHEN, C. - MERTENS, K. - WEBER, M.M. - SAMUEL, J.E. Molecular pathogenesis of the obligate intracellular bacterium *Coxiella burnetii*. In NATURE REVIEWS MICROBIOLOGY. AUG 2013, vol. 11, no. 8, p. 561-573., WOS
3. [1.1] NEWTON, H.J. - MCDONOUGH, J.A. - ROY, C.R. Effector Protein Translocation by the *Coxiella burnetii* Dot/Icm Type IV Secretion System Requires Endocytic Maturation of the Pathogen-Occupied Vacuole. In PLOS ONE. JAN 17 2013, vol. 8, no. 1. Article Number: e54566, WOS
4. [1.1] MCDONOUGH, J.A. - NEWTON, H.J. - KLUM, S. - SWISS, R. - AGAISSE, H. - ROY, C.R. Host Pathways Important for *Coxiella burnetii* Infection Revealed by Genome-Wide RNA Interference Screening. In MBIO. JAN-FEB 2013, vol. 4, no. 1. Article Number: e00606-12, WOS
5. [1.1] MCDONOUGH, J.A. - NEWTON, H.J. - ROY, C.R. *Coxiella burnetii* Secretion Systems. In COXIELLA BURNETII: RECENT ADVANCES AND NEW PERSPECTIVES IN RESEARCH OF THE Q FEVER BACTERIUM. 2012, vol. 984, p. 171-197., WOS

ADCA98 HOWE, D. - MELNIČÁKOVÁ, Jana - BARÁK, Imrich - HEINZEN, R.A. Maturation of the *Coxiella burnetii* parasitophorous vacuole requires bacterial protein synthesis but not replication. In *Cellular microbiology*. - Veľká Británie : Blackwell Synergy, 2003, vol. 5, no. 7, p. 469 - 480. (4.600 - IF2002). ISSN 1462-5814.

Ohlasy:

1. [1.1] ELLIOTT, A. - PENG, Y. - ZHANG, G.Q. Coxiella burnetii Interaction with Neutrophils and Macrophages In Vitro and in SCID Mice following Aerosol Infection. In INFECTION AND IMMUNITY. DEC 2013, vol. 81, no. 12, p. 4604-4614., WOS
2. [1.1] PAREJA, M.E.M. - COLOMBO, M.I. Autophagic clearance of bacterial pathogens: molecular recognition of intracellular microorganisms. In FRONTIERS IN CELLULAR AND INFECTION MICROBIOLOGY. SEP 2013, vol. 3. Article Number: 54, WOS
3. [1.1] WEBER, M.M. - CHEN, C. - ROWIN, K. - MERTENS, K. - GALVAN, G. - ZHI, H. - DEALING, C.M. - ROMAN, V.A. - BANGA, S. - TAN, Y.H. - LUO, Z.Q. - SAMUEL, J.E. Identification of Coxiella burnetii Type IV Secretion Substrates Required for Intracellular Replication and Coxiella-Containing Vacuole Formation. In JOURNAL OF BACTERIOLOGY. SEP 2013, vol. 195, no. 17, p. 3914-3924., WOS
4. [1.1] SHIPMAN, M. - LUBICK, K. - FOUCHARD, D. - GURRAM, R. - GRIECO, P. - JUTILA, M. - DRATZ, E.A. Proteomic and Systems Biology Analysis of the Monocyte Response to Coxiella burnetii Infection. In PLOS ONE. AUG 21 2013, vol. 8, no. 8. Article Number: e69558, WOS
5. [1.1] VAN SCHAIK, E.J. - CHEN, C. - MERTENS, K. - WEBER, M.M. - SAMUEL, J.E. Molecular pathogenesis of the obligate intracellular bacterium Coxiella burnetii. In NATURE REVIEWS MICROBIOLOGY. AUG 2013, vol. 11, no. 8, p. 561-573., WOS
6. [1.1] CRISCITIELLO, M.F. - DICKMAN, M.B. - SAMUEL, J.E. - DE FIGUEIREDO, P. Tripping on Acid: Trans-Kingdom Perspectives on Biological Acids in Immunity and Pathogenesis. In PLOS PATHOGENS. JUL 2013, vol. 9, no. 7. Article Number: e1003402, WOS
7. [1.1] GRAHAM, J.G. - MACDONALD, L.J. - HUSSAIN, S.K. - SHARMA, U.M. - KURTEN, R.C. - VOTH, D.E. Virulent Coxiella burnetii pathotypes productively infect primary human alveolar macrophages. In CELLULAR MICROBIOLOGY. JUN 2013, vol. 15, no. 6, p. 1012-1025., WOS
8. [1.1] MCDONOUGH, J.A. - NEWTON, H.J. - KLUM, S. - SWISS, R. - AGAISSE, H. - ROY, C.R. Host Pathways Important for Coxiella burnetii Infection Revealed by Genome-Wide RNA Interference Screening. In MBIO. JAN-FEB 2013, vol. 4, no. 1. Article Number: e00606-12, WOS
9. [1.1] VAN SCHAIK, E.J. - SAMUEL, J.E. Phylogenetic Diversity, Virulence and Comparative Genomics. In COXIELLA BURNETII: RECENT ADVANCES AND NEW PERSPECTIVES IN RESEARCH OF THE Q FEVER BACTERIUM. 2012, vol. 984, p. 13-38., WOS
10. [1.1] HUSSAIN, S.K. - VOTH, D.E. Coxiella Subversion of Intracellular Host Signaling. In COXIELLA BURNETII: RECENT ADVANCES AND NEW PERSPECTIVES IN RESEARCH OF THE Q FEVER BACTERIUM. 2012, vol. 984, p. 131-140., WOS
11. [1.1] MCDONOUGH, J.A. - NEWTON, H.J. - ROY, C.R. Coxiella burnetii Secretion Systems. In COXIELLA BURNETII: RECENT ADVANCES AND NEW PERSPECTIVES IN RESEARCH OF THE Q FEVER BACTERIUM. 2012, vol. 984, p. 171-197., WOS
12. [1.1] BEARE, P.A. Genetic Manipulation of Coxiella burnetii. In COXIELLA BURNETII: RECENT ADVANCES AND NEW PERSPECTIVES IN RESEARCH OF THE Q FEVER BACTERIUM. 2012, vol. 984, p. 249-271., WOS

ADCA99 HUDECOVÁ, Soňa - KUBOVČÁKOVÁ, Lucia - KVETŇANSKÝ, Richard - KOPÁČEK, Juraj - PASTOREKOVÁ, Silvia - NOVÁKOVÁ, Martina - KNEZL, Vladimír - TARABOVÁ, Bohumila - LACINOVÁ, Ľubica - SULOVÁ, Zdena - BREIER, Albert - JURKOVIČOVÁ, Dana - KRIŽANOVÁ, Oľga. Modulation of expression of Na⁺/Ca²⁺ exchanger in heart of rat and mouse under stress. In *Acta Physiologica*, 2007, vol. 190, no. 2, p. 127-136. (2.230 - IF2006). (2007 - Current Contents). ISSN 1748-1708.

Ohlasy:

1. [1.1] BALI, A. - GUPTA, S. - SINGH, N. - JAGGI, A.S. Implicating the role of plasma membrane localized calcium channels and exchangers in stress-induced deleterious effects. In EUROPEAN JOURNAL OF PHARMACOLOGY. ISSN 0014-2999, 2013, vol. 714, no. 1-3, p. 229-238., WOS

ADCA100 HUIJSMANS, Cornelis J.J. - SCHELLEKENS, Jeroen J.A. - WEVER, Peter C. - TOMAN, Rudolf - SAVELKOU, Paul H.M. - JANSE, Ingmar - HERMANS, Mirjam H.A. Single - nucleotide - Polymorphism Genotyping of Coxiella burnetii during a Q Fever Outbreak in The Netherlands. In *Applied and Environmental Microbiology*, 2011, vol. 77, no. 6, p. 2051 - 2057. (3.778 - IF2010). (2011 - Current Contents). ISSN 0099-2240.

Ohlasy:

1. [1.1] Padmanabhan, R (Padmanabhan, Roshan)[1] ; Mishra, AK (Mishra, Ajay Kumar)[1] ; Raoult, D (Raoult, Didier)[1] ; Fournier, PE (Fournier, Pierre-Edouard)[Genomics and metagenomics in medical microbiology JOURNAL OF MICROBIOLOGICAL METHODS Volume: 95 Issue: 3 Pages: 415-424 Special Issue: SI, 2013, WOS
2. [1.1] Tutusaus, J (Tutusaus, Joan)[1] ; Lopez-Gatius, F (Lopez-Gatius, Fernando)[1] ; Almeria, S (Almeria, Sonia)[2,3] ; Serrano, B (Serrano, Beatriz)[1] ; Monleon, E (Monleon, Eva)[4] ; Badiola, JJ (Jose Badiola, Juan)[4] ; Garcia-Ispuerto, I NO DETECTABLE PRECOLOSTRAL ANTIBODY RESPONSE IN CALVES BORN FROM COWS WITH COTYLEDONS POSITIVE FOR COXIELLA BURNETII BY QUANTITATIVE PCR CTA VETERINARIA HUNGARICA Volume: 61 Issue: 4 Pages: 432-441, 2013, WOS
3. [1.1] Million, M (Million, Matthieu)[1] ; Walter, G (Walter, Gaelle)[1] ; Thuny, F (Thuny, Franck)[1,2,3] ; Habib, G (Habib, Gilbert)[2] ; Raoult, D Evolution From Acute Q Fever to Endocarditis Is Associated With Underlying Valvulopathy and Age and Can Be Prevented by Prolonged Antibiotic Treatment CLINICAL INFECTIOUS DISEASES Volume: 57 Issue: 6 Pages: 836-844, 2013, WOS
4. [1.1] Roest, HIJ (Roest, Hendrik I. J.)([1] ; Bossers, A (Bossers, Alex)[2] ; van Zijderveld, FG (van Zijderveld, Fred G.)([1] ; Rebel, JML Clinical microbiology of Coxiella burnetii and relevant aspects for the diagnosis and control of the zoonotic disease Q fever VETERINARY QUARTERLY Volume: 33 Issue: 3 Pages: 148-160, 2013, WOS
5. [1.1] Pearson, T (Pearson, Talima)[1] ; Hornstra, HM (Hornstra, Heidie M.)([1] ; Sahl, JW (Sahl, Jason W.)([1,2] ; Schaack, S (Schaack, Sarah)[3] ; Schupp, JM (Schupp, James M.)([2] ; Beckstrom-Sternberg, SM (Beckstrom-Sternberg, Stephen M.)([1,2] ; O'Neill, MW (O'Neill, Matthew W.)([1] ; Priestley, RA (Priestley, Rachael A.)([4] ; Champion, MD (Champion, Mia D.)([1,2] ; Beckstrom-Sternberg, JS (Beckstrom-Sternberg, James S.)([1] ; Kersh, GJ (Kersh, Gilbert J.)([4] ; Samuel, JE (Samuel, James E.)([5] ; Massung, RF (Massung, Robert F.)([4] ; Keim, P When Outgroups Fail; Phylogenomics of Rooting the Emerging Pathogen, Coxiella burnetii SYSTEMATIC BIOLOGY Volume: 62 Issue: 5 Pages: 752-762 , 2013, WOS
6. [1.1] Mori, M (Mori, Marcella)[1] ; Boarbi, S (Boarbi, Samira)[1] ; Michel, P (Michel, Patrick)([1] ; Bakinahe, R (Bakinahe, Raissa)[1] ; Rits, K (Rits, Katleen)[1] ; Wattiau, P (Wattiau, Pierre)[2] ; Fretin, D In Vitro and In Vivo Infectious Potential of Coxiella burnetii: A Study on Belgian Livestock Isolates PLOS ONE Volume: 8 Issue: 6 Article Number: e67622 Published: JUN 28 2013, WOS
7. [1.1] Munster, JM (Munster, J. M.)([1,2,3] ; Leenders, AC (Leenders, A. C.)(; Hamilton, CJ (Hamilton, C. J.)([5] ; Meekelenkamp, JC (Meekelenkamp, J. C.)([4] ; Schneeberger, PM (Schneeberger, P. M.)([4] ; van der Hoek, W (van der Hoek, W.)([6] ; Rietveld, A (Rietveld, A.)([7] ; de Vries, E (de Vries, E.)([8] ; Stolk, RP (Stolk, R. P.)([3] ; Aarnoudse, JG (Aarnoudse, J. G.)([2] ; Hak, E Routine screening for Coxiella burnetii infection during pregnancy: a clustered randomised controlled trial during an outbreak, the Netherlands, 2010 EUROSURVEILLANCE Volume: 18 Issue: 24 Pages: 14-23, 2013, WOS

ADCA101 HULÍKOVÁ, Alžbeta - HARRIS, A.L. - VAUGHAN-JONES, Richard D. - SWIETACH, P. Regulation of intracellular pH in cancer cell lines under normoxia and hypoxia. In *Journal of Cellular Physiology*, 2013, vol. 228, no. 4, p. 743-752. (4.218 - IF2012). (2013 - Current Contents). ISSN 0021-9541.

Ohlasy:

1. [1.1] Daniel, C (Daniel, Chloe)[1] ; Bell, C (Bell, Charlotte)[1] ; Burton, C (Burton, Christopher)[1] ; Harguindey, S (Harguindey, Salvador)[2] ; Reshkin, SJ (Reshkin, Stephan J.)([3] ; Rauch, C The role of proton dynamics in the development and maintenance of multidrug resistance in cancer BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR BASIS OF DISEASE Volume: 1832 Issue: 5 Pages: 606-617, 2013, WOS
2. [1.1] Parks, SK (Parks, Scott K.)([1] ; Mazure, NM (Mazure, Nathalie M.)([1] ; Counillon, L (Counillon, Laurent)([2] ; Pouyssegur, J Hypoxia promotes tumor cell survival in acidic conditions by preserving ATP levels JOURNAL OF CELLULAR PHYSIOLOGY Volume: 228 Issue: 9 Pages: 1854-1862 , 2013, WOS
3. [1.1] Parks, SK (Parks, Scott K.)([1] ; Chiche, J (Chiche, Johanna)([2] ; Pouyssegur, J Disrupting proton dynamics and energy metabolism for cancer therapy NATURE REVIEWS CANCER Volume: 13

Issue: 9 Pages: 611-623, 2013, WOS

4. [1.1] Andersen, AP (Andersen, Anne Poder)[1] ; Moreira, JMA (Moreira, Jose M. A.)[2,3] ; Pedersen, SF Interactions of ion transporters and channels with cancer cell metabolism and the tumour microenvironment PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES Volume: 369 Issue: 1638 Special Issue: SI , 2013, WOS

ADCA102 HUSSAIN, S.A. - PALMER, DH - GANESAN, R. - HILLER, L. - GREGORY, J. - MURRAY, P.G. - PASTOREK, Jaromír - YOUNG, L. - JAMES, N.D. Carbonic anhydrase IX, a marker of hypoxia: Correlation with clinical outcome in transitional cell carcinoma of the bladder. In *Oncology Reports*, 2004, vol. 11, no. 5, p. 1005 - 1010. (1.256 - IF2003). (2004 - Current Contents).

Ohlasy:

1. [1.1] Abbondati, E (Abbondati, E.)[1] ; Del-Pozo, J (Del-Pozo, J.)[2] ; Hoather, TM (Hoather, T. M.)[1] ; Constantino-Casas, F (Constantino-Casas, F.)[1] ; Dobson, JM An Immunohistochemical Study of the Expression of the Hypoxia Markers Glut-1 and Ca-IX in Canine Sarcomas VETERINARY PATHOLOGY Volume: 50 Issue: 6 Pages: 1063-1069, 2013, WOS
2. [1.1] Gieling, Roben G.; Williams, Kaye J. Carbonic anhydrase IX as a target for metastatic disease BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1470-1476 Published: MAR 15 2013, WOS

ADCA103 HUSSAIN, S.A. - GANESAN, R. - REYNOLDS, G - GROSS, L. - STEVENS, Andrew - PASTOREK, Jaromír - MURRAY, P.G. - PERUNOVIC, B. - ANWAR, M.S. - BILLINGHAM, L. - JAMES, N.D. - SPOONER, D. - POOLE, C.J. - REA, D.W. - PALMER, DH. Hypoxia-regulated carbonic anhydrase IX expression is associated with poor survival in patients with invasive breast cancer. In *British Journal of Cancer*, 2007, vol. 96, p. 104-109. (4.459 - IF2006). (2007 - Current Contents). ISSN 1532-1827.

Ohlasy:

1. [1.1] Adams, A (Adams, Arthur)[1] ; van Brussel, ASA (van Brussel, Aram S. A.)[2] ; Vermeulen, JF (Vermeulen, Jeroen F.)[2] ; Mali, WPTM (Mali, Willem P. Th M.)[1] ; van der Wall, E (van der Wall, Elsken)[3] ; van Diest, PJ (van Diest, Paul J.)[2] ; Elias, SG The potential of hypoxia markers as target for breast molecular imaging - a systematic review and meta-analysis of human marker expression BMC CANCER Volume: 13, Article Number: 538, 2013, WOS
2. [1.1] Pan, ZG (Pan, Zenggang)[1,2] ; Grizzle, W (Grizzle, William)[2] ; Hameed, O Significant Variation of Immunohistochemical Marker Expression in Paired Primary and Metastatic Clear Cell Renal Cell Carcinomas AMERICAN JOURNAL OF CLINICAL PATHOLOGY Volume: 140 Issue: 3 Pages: 410-418, 2013, WOS
3. [1.1] Rundqvist, H.; Johnson, R. S Tumour oxygenation: implications for breast cancer prognosis JOURNAL OF INTERNAL MEDICINE Volume: 274 Issue: 2 Pages: 105-112 Published: AUG 2013, WOS
4. [1.1] Aggarwal, Mayank; Kondeti, Bhargav; McKenna, Robert Anticonvulsant/antiepileptic carbonic anhydrase inhibitors: a patent review EXPERT OPINION ON THERAPEUTIC PATENTS Volume: 23 Issue: 6 Pages: 717-724 Published: JUN 2013, WOS
5. [1.1] Monti, SM (Monti, Simona Maria)[1] ; Supuran, CT (Supuran, Claudiu T.)[2] ; De Simone, G Anticancer carbonic anhydrase inhibitors: a patent review (2008-2013) EXPERT OPINION ON THERAPEUTIC PATENTS Volume: 23 Issue: 6 Pages: 737-749, 2013, WOS
6. [1.1] Colinas, Pedro A. Novel sulfonamide compounds for inhibition of metastatic tumor growth (WO2012021963) EXPERT OPINION ON THERAPEUTIC PATENTS Volume: 23 Issue: 6 Pages: 761-763 Published: JUN 2013, WOS
7. [1.1] Wu, DL (Wu, Donglu)[1,2] ; Zhang, R (Zhang, Rui)[1,2] ; Zhao, R (Zhao, Rui)[1,2] ; Chen, G (Chen, Guang)[3] ; Cai, Y (Cai, Yong)[1,4] ; Jin, JJ A Novel Function of Novobiocin: Disrupting the Interaction of HIF 1 alpha and p300/CBP through Direct Binding to the HIF1 alpha C-Terminal Activation Domain PLOS ONE Volume: 8 Issue: 5 , Article Number: e62014, 2013, WOS
8. [1.1] Schutze, D (Schuetze, Dina)[1] ; Milde-Langosch, K (Milde-Langosch, Karin)[1] ; Witzel, I (Witzel, Isabell)[1] ; Rody, A (Rody, Achim)[2] ; Karn, T (Karn, Thomas)[3] ; Schmidt, M (Schmidt, Marcus)[4] ; Choschzick, M (Choschzick, Matthias)[5] ; Janicke, F (Jaenicke, Fritz)[1] ; Muller, V Relevance of cellular and serum carbonic anhydrase IX in primary breast cancer JOURNAL OF

- CANCER RESEARCH AND CLINICAL ONCOLOGY Volume: 139 Issue: 5 Pages: 747-754, 2013, WOS
9. [1.1] Gieling, Roben G.; Williams, Kaye J. Carbonic anhydrase IX as a target for metastatic disease BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1470-1476 Published: MAR 15 2013, WOS
10. [1.1] Aggarwal, M (Aggarwal, Mayank)[1] ; Kondeti, B (Kondeti, Bhargav)[1] ; McKenna, R Insights towards sulfonamide drug specificity in alpha-carbonic anhydrases BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1526-1533, 2013, WOS
11. [1.1] Wang, Y (Wang, Yong)[1,2] ; Zhang, R (Zhang, Rui)[3,4] ; Wu, DL (Wu, Donglu)[3,4] ; Lu, ZH (Lu, Zhihua)[1] ; Sun, WT (Sun, Wentao)[1] ; Cai, Y (Cai, Yong)[3] ; Wang, CX (Wang, Chunxi)[1] ; Jin, JJ Epigenetic change in kidney tumor: downregulation of histone acetyltransferase MYST1 in human renal cell carcinoma JOURNAL OF EXPERIMENTAL & CLINICAL CANCER RESEARCH , Volume: 32 , Article Number: 8, 2013, WOS
12. [1.1] Kwon, Ji Eun; Jung, Woo-Hee; Koo, Ja Seung The expression of metabolism-related proteins in phyllodes tumors TUMOR BIOLOGY Volume: 34 Issue: 1 Pages: 115-124 Published: FEB 2013, WOS
13. [1.1] Choi, Junjeong; Jung, Woo-Hee; Koo, Ja Seung Metabolism-Related Proteins Are Differentially Expressed according to the Molecular Subtype of Invasive Breast Cancer Defined by Surrogate Immunohistochemistry PATHOBIOLOGY Volume: 80 Issue: 1 Pages: 41-52 Published: 2013, WOS
14. [1.1] Abbondati, E.a , Del-Pozo, J.b, Hoather, T.M.a, Constantino-Casas, F.a, Dobson, J.M. An Immunohistochemical Study of the Expression of the Hypoxia Markers Glut-1 and Ca-IX in Canine Sarcomas Veterinary Pathology Volume 50, Issue 6, November 2013, Pages 1063-1069, SCOPUS
15. [1.1] Kajo, K.a , Turčan, I.b, Vallová, M.a, Laboš, T.a, Kajo, M.a, Machálek, K.a, Galbavý, Š.ac, Žúbor, P. Expression of carbonic anhydrase IX in the breast Carcinomas [Expresia karbonickej anhydrázy IX v karcinómoch prsníka] Ceska Gynekologie Volume 78, Issue 3, 2013, Pages 263-268, SCOPUS

ADCA104 HYNNINEN, P. - PARKKILA, S. - HUHTALA, H. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - WAHEED, A. - SLY, W.S. - TOMAS, E. Carbonic anhydrase isozymes II, IX and XII in uterine tumors. In *APMIS*, 2012, vol. 120, no. 2, p. 117 - 129. (1.991 - IF2011). (2012 - Current Contents). ISSN 0903-4641.

Ohlasy:

1. [1.1] Slawinski, J (Slawinski, Jaroslaw)[1] ; Szafranski, K (Szafranski, Krzysztof)[1] ; Vullo, D (Vullo, Daniela)[2] ; Supuran, CT Carbonic anhydrase inhibitors. Synthesis of heterocyclic 4-substituted pyridine-3-sulfonamide derivatives and their inhibition of the human cytosolic isozymes I and II and transmembrane tumor-associated isozymes IX and XII EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY Volume: 69 Pages: 701-710, 2013, WOS
2. [1.1] Gondi, G (Gondi, Gabor)[1] ; Mysliwietz, J (Mysliwietz, Josef)[2] ; Hulikova, A (Hulikova, Alzbeta)[4] ; Jen, JP (Jen, Jian Ping)[4] ; Swietach, P (Swietach, Pawel)[4] ; Kremmer, E (Kremmer, Elisabeth)[2] ; Zeidler, R Antitumor Efficacy of a Monoclonal Antibody That Inhibits the Activity of Cancer-Associated Carbonic Anhydrase XII CANCER RESEARCH Volume: 73 Issue: 21 Pages: 6494-6503, 2013, WOS
3. [1.1] Carradori, Simone Selective carbonic anhydrase IX inhibitors based on coumarin scaffold as promising antimetastatic agents: WO2012070024 EXPERT OPINION ON THERAPEUTIC PATENTS Volume: 23 Issue: 6 Pages: 751-756 Published: JUN 2013, WOS
4. [1.1] Jogaite, V (Jogaite, Vaida)[1] ; Zubriene, A (Zubriene, Asta)[1] ; Michailoviene, V (Michailoviene, Vilma)[1] ; Glylte, J (Glylte, Joana)[1] ; Morkunaite, V (Morkunaite, Vaida)[1] ; Matulis, D Characterization of human carbonic anhydrase XII stability and inhibitor binding BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1431-1436, 2013, WOS
5. [1.1] Masui, O (Masui, Olena)[1,2] ; White, NMA (White, Nicole M. A.)(3,4,5] ; DeSouza, LV (DeSouza, Leroi V.)(1,2] ; Krakovska, O (Krakovska, Olga)[1,2] ; Matta, A (Matta, Ajay)[1,2] ; Metias, S (Metias, Shereen)[3,4] ; Khalil, B (Khalil, Bishoy)[3,4] ; Romaschin, AD (Romaschin, Alexander D.)(3,4,5] ; Honey, RJ (Honey, R. John)[6] ; Stewart, R (Stewart, Robert)[6] ; Pace, K (Pace, Kenneth)[6] ; Bjarnason, GA (Bjarnason, Georg A.)(7] ; Siu, KWM (Siu, K. W. Michael)[1,2] ; Yousef, GM Quantitative Proteomic Analysis in Metastatic Renal Cell Carcinoma Reveals a Unique

Set of Proteins with Potential Prognostic Significance MOLECULAR & CELLULAR PROTEOMICS
Volume: 12 Issue: 1 Pages: 132-144, 2013, WOS

ADCA105 HYNINEN, P. - VASKIVUO, L. - SAARNIO, J. - HAAPASALO, H. - KIVELÄ, J. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - WAHEED, A. - SLY, W.S. - PUISTOLA, U. - PARKKILA, S. Expression of transmembrane carbonic anhydrases IX and XII in ovarian tumors. In *Histopathology*, 2006, vol. 49, no. 6, p. 594 - 602. (3.569 - IF2005). ISSN 0309-0167.

Ohlasy:

1. [1.1] Gondi, G (Gondi, Gabor)[1] ; Mysliwietz, J (Mysliwietz, Josef)[2] ; Hulikova, A (Hulikova, Alzbeta)[4] ; Jen, JP (Jen, Jian Ping)[4] ; Swietach, P (Swietach, Pawel)[4] ; Kremmer, E (Kremmer, Elisabeth)[2] ; Zeidler, R Antitumor Efficacy of a Monoclonal Antibody That Inhibits the Activity of Cancer-Associated Carbonic Anhydrase XII CANCER RESEARCH Volume: 73 Issue: 21 Pages: 6494-6503, 2013, WOS
2. [1.1] Monti, SM (Monti, Simona Maria)[1] ; Supuran, CT (Supuran, Claudiu T.)[2] ; De Simone, G Anticancer carbonic anhydrase inhibitors: a patent review (2008-2013) EXPERT OPINION ON THERAPEUTIC PATENTS Volume: 23 Issue: 6 Pages: 737-749, 2013, WOS
3. [1.1] Liu, Yun-Long; Jing, Li-Ling; Guo, Qi-Sen Clinical Impact and Reliability of Carbonic Anhydrase XII in the Differentiation of Malignant and Tuberculous Pleural Effusions ASIAN PACIFIC JOURNAL OF CANCER PREVENTION Volume: 14 Issue: 1 Pages: 351-354 Published: 2013, WOS

ADCA106 CHALUPKOVÁ, A. - HRICOVÁ, M. - HRABOVSKÁ, Z. - MISTRÍKOVÁ, Jela. Pathogenetical characterization of MHV-76: a Spontaneous 9.5-Kilobase-Deletion Mutant of Murine Lymphotropic Gammaherpesvirus 68. In *Acta Veterinaria Brno*, 2008, vol. 77, p. 217 - 223. (0.747 - IF2007). (2008 - Current Contents). ISSN 0001-7213.

Ohlasy:

1. [1.1] Kudelova, M (Kudelova, M.)[1] ; Belvoncikova, P (Belvoncikova, P.)[1] ; Halasova, Z (Halasova, Z.)[1] ; Kosovsky, J (Kosovsky, J.)[1] ; Lapunikova, B (Lapunikova, B.)[2] ; Pancik, P (Pancik, P.)[1] ; Rezuchova, I (Rezuchova, I.)[1] ; Supolikova, M (Supolikova, M.)[2] ; Zelnik, V Recombinant herpesviruses as tools for the study of herpesvirus biology ACTA VIROLOGICA Volume: 57 Issue: 2 Pages: 149-159 Special Issue: SI, 2013, WOS

ADCA107 CHANDRAMOULI, A. - MERCADO-PIMENTEL, M.E. - HUTCHINSON, A. - GIBADULINOVÁ, Adriana - OLSON, E.R. - DICKINSON, S. - SHAÑAS, R. - DAVENPORT, J. - OWENS, J. - BHATTACHARYYA, A.K. - REGAN, J.W. - PASTOREKOVÁ, Silvia - ARUMUGAM, T. - LOGSDON, C.D. - NELSON, M.A. The induction of S100p expression by the Prostaglandin E (2) (PGE(2))/EP4 receptor signaling pathway in colon cancer cells. In *Cancer Biology & Therapy*, 2010, vol. 10, no. 10, p. 1056-1066. (2.711 - IF2009). ISSN 1538-4047.

Ohlasy:

1. [1.1] Zhu, L (Zhu, Li)[1,2] ; Ito, T (Ito, Takamichi)[1] ; Nakahara, T (Nakahara, Takeshi)[1,2] ; Nagae, K (Nagae, Konosuke)[2] ; Fuyuno, Y (Fuyuno, Yoko)[2] ; Nakao, M (Nakao, Masayoshi)[2] ; Akahoshi, M (Akahoshi, Maki)[2] ; Nakagawa, R (Nakagawa, Rieko)[2] ; Tu, YT (Tu, Yating)[3] ; Uchi, H (Uchi, Hiroshi)[2] ; Furue, M Upregulation of S100P, receptor for advanced glycation end products and ezrin in malignant melanoma JOURNAL OF DERMATOLOGY Volume: 40 Issue: 12 Pages: 973-979, 2013, WOS
2. [1.1] Yokoyama, U (Yokoyama, Utako)[1] ; Iwatsubo, K (Iwatsubo, Kousaku)[2] ; Umemura, M (Umemura, Masanari)[1] ; Fujita, T (Fujita, Takayuki)[1] ; Ishikawa, Y The Prostanoid EP4 Receptor and Its Signaling Pathway PHARMACOLOGICAL REVIEWS Volume: 65 Issue: 3 Pages: 1010-1052, 2013, WOS
3. [1.1] Yuan, RH (Yuan, Ray-Hwang)[1,2,3] ; Chang, KT (Chang, Ko-Tung)[4] ; Chen, YL (Chen, Yu-Ling)[5] ; Hsu, HC (Hsu, Hey-Chi)[5,6] ; Lee, PH (Lee, Po-Huang)[2,1] ; Lai, PL (Lai, Po-Lin)[6] ; Jeng, YM S100P Expression Is a Novel Prognostic Factor in Hepatocellular Carcinoma and Predicts Survival in Patients with High Tumor Stage or Early Recurrent Tumors PLOS ONE Volume: 8 Issue: 6, Article Number: e65501, 2013, WOS
4. [1.1] Amissah, F (Amissah, Felix)[1] ; Duverna, R (Duverna, Randolph)[1] ; Aguilar, BJ (Aguilar, Byron J.)(1] ; Poku, RA (Poku, Rosemary A.)(1] ; Lamango, NS Polyisoprenylated Methylated

Protein Methyl Esterase Is Both Sensitive to Curcumin and Overexpressed in Colorectal Cancer: Implications for Chemoprevention and Treatment BIOMED RESEARCH INTERNATIONAL Article Number: 416534, 2013, WOS

ADCA108 CHARREL, R.N. - COUTARD, B. - BARONTI, C. - CANARD, B. - NOUGAIREDE, A. - FRANGEUL, A. - MORIN, B. - JAMAL, S. - SCHMIDT, C.L. - HILGENFELD, R. - KLEMPA, Boris - DE LAMBALLERIE, X. Arenavirus and hantavirus: From epidemiology and genomics to antivirals. In *Antiviral Research*, 2011, vol. 90, no. 2, p. 102 - 114. (4.439 - IF2010). (2011 - Current Contents). ISSN 0166-3542.

Ohlasy:

1. [1.1] Li, K (Li, Kai)[1] ; Li, PY (Li, Pu-Yuan)[1] ; Wu, XA (Wu, Xing-An)[1] ; Zhang, L (Zhang, Liang)[1] ; Liu, ZY (Liu, Zi-Yu)[1] ; Yu, L (Yu, Lan)[1] ; Zhang, L (Zhang, Lei)[1] ; Cheng, LF (Cheng, Lin-Feng)[1] ; Bai, WT (Bai, Wen-Tao)[2] ; Zhang, FL (Zhang, Fang-Lin)[1] ; Xu, ZK (Xu, Zhi-Kai)[1] Induction of Hantaan virus-specific immune responses in C57BL/6 mice by immunization with a modified recombinant adenovirus containing the chimeric gene, GcS0.7 INTERNATIONAL JOURNAL OF MOLECULAR MEDICINE Volume: 32 Issue: 3 Pages: 709-716 DOI: 10.3892/ijmm.2013.1421 Published: SEP 2013, WOS
2. [1.1] Zinzula, Luca; Tramontano, Enzo Hantavirus infection: An emerging infectious disease causing acute renal failure Kidney International 83 (1) , pp. 23-27, 2013, WOS
3. [1.1] De Clercq, Erik Highlights in Antiviral Drug Research: Antivirals at the Horizon MEDICINAL RESEARCH REVIEWS Volume: 33 Issue: 6 Special Issue: SI Pages: 1215-1248 Published: NOV 2013, WOS
4. [1.1] Hetzel, U (Hetzel, Udo)[1] ; Sironen, T (Sironen, Tarja)[2] ; Laurinmaki, P (Laurinmaki, Pasi)[3,4] ; Liljeroos, L (Liljeroos, Lassi)[3,4] ; Patjas, A (Patjas, Aino)[2] ; Henttonen, H (Henttonen, Heikki)[5] ; Vaheri, A (Vaheri, Antti)[2] ; Artelt, A (Artelt, Annette)[6] ; Kipar, A (Kipar, Anja)[1,7,8] ; Butcher, SJ (Butcher, Sarah J.) Isolation, Identification, and Characterization of Novel Arenaviruses, the Etiological Agents of Boid Inclusion Body Disease JOURNAL OF VIROLOGY Volume: 87 Issue: 20 Pages: 10918-10935, 2013, WOS
5. [1.1] Lavanya, M (Lavanya, Madakasira)[1] ; Cuevas, CD (Cuevas, Christian D.)(1] ; Thomas, M (Thomas, Monica)[1] ; Cherry, S (Cherry, Sara)[1,2,3] ; Ross, SR (Ross, Susan R.) siRNA Screen for Genes That Affect Junin Virus Entry Uncovers Voltage-Gated Calcium Channels as a Therapeutic Target SCIENCE TRANSLATIONAL MEDICINE Volume: 5 Issue: 204 Article Number: 204ra131 , 2013, WOS
6. [1.2] Clercq, E.D. Highlights in antiviral drug research: Antivirals at the horizon Medicinal Research Reviews 33 (6) , pp. 1215-1248, 2013, SCOPUS

ADCA109 CHEN, J. - ROCKEN, C. - HOFFMANN, J. - KRUGER, S. - LENDECKEL, U. - ROCCO, A. - PASTOREKOVÁ, Silvia - Malferttheiner, P. - EBERT, M.P. Expression of carbonic anhydrase 9 at the invasion of gastric cancers. In *Gut*. - London, England : B M J Publishing Group, 2005, 2005, vol. 54, no. 7, p. 920-927. (6.601 - IF2004). ISSN 0017-5749.

Ohlasy:

1. [1.1] Zhang, XL (Zhang, Xianglan)[1,5] ; Han, SH (Han, Seonhui)[3] ; Han, HY (Han, Hye-Yeon)[4] ; Ryu, MH (Ryu, Mi Heon)[4] ; Kim, KY (Kim, Ki-Yeol)[1] ; Choi, EJ (Choi, Eun-Joo)[2] ; Cha, IH (Cha, In-Ho)[2] ; Kim, J Risk prediction for malignant conversion of oral epithelial dysplasia by hypoxia related protein expression PATHOLOGY Volume: 45 Issue: 5 Pages: 478-483, 2013, WOS
2. [1.1] Fidan, E (Fidan, Evren)[1] ; Mentese, A (Mentese, Ahmet)[2] ; Ozdemir, F (Ozdemir, Feyyaz)[3] ; Deger, O (Deger, Orhan)[2] ; Kavgaci, H (Kavgaci, Halil)[3] ; Karahan, SC (Karahana, S. Caner)[2] ; Aydin, F Diagnostic and prognostic significance of CA IX and suPAR in gastric cancer MEDICAL ONCOLOGY Volume: 30 Issue: 2, 2013, WOS
3. [1.1] Gieling, Roben G.; Williams, Kaye J. Carbonic anhydrase IX as a target for metastatic disease BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1470-1476 Published: MAR 15 2013, WOS

ADCA110 CHEN, X.L. - ZACHAR, Vladimír - ZDRAVKOVIC, M. - GUO, M. - EBBESEN, P. - LIU, X.D. Role of the Fas/Fas ligand pathway in apoptotic cell death induced by the human T cell lymphotropic virus type I

Tax transactivator. In *Journal of General Virology*, 1997, vol. 78, no.12, p. 3277 - 3285. (3.278 - IF1996). (1997 - Current Contents). ISSN 0022-1317.

Ohlasy:

1. [1.1] Shirinian, M (Shirinian, Margret)[1] ; Kfoury, Y (Kfoury, Youmna)[1] ; Dassouki, Z (Dassouki, Zeina)[1] ; El-Hajj, H (El-Hajj, Hiba)[1] ; Bazarbachi, A Tax-1 and Tax-2 similarities and differences: focus on post-translational modifications and NF-kappa B activation FRONTIERS IN MICROBIOLOGY Volume: 4, Article Number: 231, 2013, WOS

ADCA111 CHIA, S.K. - WYKOFF, Charles C. - WATSON, P.H. - LEEK, R. - TURLEY, H. - PASTOREK, Jaromír - COX, G.J. - RATCLIFFE, P. - HARRIS, Adrian L. Prognostic significance of a novel hypoxia-regulated marker, carbonic anhydrase IX, in invasive breast carcinoma. In *Journal of Clinical Oncology*, 2001, vol.19, p. 3660-3668. (8.773 - IF2000). (2001 - Current Contents).

Ohlasy:

1. [1.1] Sahebamee, H.a , Yaghmaei, P.a, Abdolmaleki, P.b, Foroumadi, A.R. Quantitative structure - Activity relationships study of carbonic anhydrase inhibitors using Logistic Regression model Iranian Journal of Chemistry and Chemical Engineering Volume 32, Issue 2, 2013, Pages 19-29, WOS
2. [1.1] Adams, A.a , van Brussel, A.S.A.b , Vermeulen, J.F.b , Mali, W.P.a , van der Wall, E.c , van Diest, P.J.b , Elias, S.G. The potential of hypoxia markers as target for breast molecular imaging - a systematic review and meta-analysis of human marker expression BMC Cancer Volume 13, 10 November 2013, Article number 538, WOS
3. [1.1] Won, J.R.ab, Gao, D.b, Chow, C.b, Cheng, J.b, Lau, S.Y.b, Ellis, M.J.c, Perou, C.M.d, Bernard, P.S.e, Nielsen, T.O. A survey of immunohistochemical biomarkers for basal-like breast cancer against a gene expression profile gold standard Modern Pathology Volume 26, Issue 11, November 2013, Pages 1438-1450, WOS
4. [1.1] Shareef, M.M.ab , Udayakumar, T.S.ab, Sinha, V.K.abc, Saleem, S.M.d, Griggs, W.W. Interaction of HIF-1 α and Notch3 Is Required for the Expression of Carbonic Anhydrase 9 in Breast Carcinoma Cells Genes and Cancer Volume 4, Issue 11-12, November 2013, Pages 513-523, WOS
5. [1.2] Kajo, K.a , Turčan, I.b, Vallová, M.a, Laboš, T.a, Kajo, M.a, Machálek, K.a, Galbavý, Š.ac, Žúbor, P. Expression of carbonic anhydrase IX in the breast Carcinomas [Expresia karbonickej anhydrázy IX v karcinómoch prsníka] Ceska Gynecologie Volume 78, Issue 3, 2013, Pages 263-268, SCOPUS
6. [1.1] Rundqvist, H.a , Johnson, R.S. Tumour oxygenation: Implications for breast cancer prognosis Journal of Internal Medicine Volume 274, Issue 2, August 2013, Pages 105-112, WOS
7. [1.1] Fiaschi, T.a, Giannoni, E.a, Taddei, M.L.a, Cirri, P.a, Marini, A.b, Pintus, G.b, Nativi, C.c, Richichi, B.c, Scozzafava, A.c, Carta, F.d, Torre, E.a, Supuran, C.T.d, Chiarugi, P. Carbonic anhydrase IX from cancer-associated fibroblasts drives epithelial-mesenchymal transition in prostate carcinoma cells Cell Cycle Volume 12, Issue 11, 1 June 2013, Pages 1791-1801, WOS
8. [1.1] Kim, S., Jung, W.H., Koo, J.S. The expression of Glut-1, CAIX, and MCT4 in Mucinous carcinoma Journal of Breast Cancer Volume 16, Issue 2, June 2013, Pages 146-151, WOS
9. [1.1] Schütze, D.a, Milde-Langosch, K.a, Witzel, I.a, Rody, A.b, Karn, T.c, Schmidt, M.d, Choschick, M.e, Jänicke, F.a, Müller, V. Relevance of cellular and serum carbonic anhydrase IX in primary breast cancer Journal of Cancer Research and Clinical Oncology Volume 139, Issue 5, May 2013, Pages 747-754, WOS
10. [1.1] Xue, T.a, Zhang, Y.a, Zhang, L.b, Yao, L.a, Hu, X.a , Xu, L.X. Proteomic analysis of two metabolic proteins with potential to translocate to plasma membrane associated with tumor metastasis development and drug targets Journal of Proteome Research Volume 12, Issue 4, 5 April 2013, Pages 1754-1763, WOS
11. [1.1] Gieling, R.G. , Williams, K.J. Carbonic anhydrase IX as a target for metastatic disease Bioorganic and Medicinal Chemistry Volume 21, Issue 6, 15 March 2013, Pages 1470-1476, WOS
12. [1.1] Mikami, Y.a , Minamiguchi, S.a, Teramoto, N.b, Nagura, M.c, Haga, H.a, Konishi, I. Carbonic anhydrase type IX expression in lobular endocervical glandular hyperplasia and gastric-type adenocarcinoma of the uterine cervix Pathology Research and Practice Volume 209, Issue 3, March 2013, Pages 173-178, WOS
13. [1.1] Kwon, J.E.a, Jung, W.-H.b, Koo, J.S. The expression of metabolism-related proteins

- in phyllodes tumors *Tumor Biology* Volume 34, Issue 1, February 2013, Pages 115-124, WOS
14. [1.1] Lu, G., Hillier, S.M., Maresca, K.P., Zimmerman, C.N., Eckelman, W.C., Joyal, J.L., Babich, J.W. Synthesis and SAR of novel Re/99mTc-Labeled benzenesulfonamide carbonic anhydrase IX inhibitors for molecular imaging of tumor hypoxia *Journal of Medicinal Chemistry* Volume 56, Issue 2, 24 January 2013, Pages 510-520, WOS
15. [1.1] Nagelkerke, A.ab , Bussink, J.a , Mujcic, H.cd , Wouters, B.G.cd , Lehmann, S.e , Sweep, F.C.G.J.b , Span, P.N. Hypoxia stimulates migration of breast cancer cells via the PERK/ATF4/LAMP3-arm of the unfolded protein response *Breast Cancer Research* Volume 15, Issue 1, 7 January 2013, Article number R2, WOS
16. [3] Ostheimer, C., Vordermark, D. Osteopontin - an indicator of tumor hypoxia and treatment resistance (Chapter) *Hypoxia: Causes, Types and Management* January 2013, Pages 255-318
17. [1.1] Shan, X.ab, Wang, D.a , Chen, J.b, Xiao, X.b, Jiang, Y.a, Wang, Y.b, Fan, Y. Necrosis degree displayed in computed tomography images correlated with hypoxia and angiogenesis in breast cancer *Journal of Computer Assisted Tomography* Volume 37, Issue 1, January 2013, Pages 22-28, WOS
18. [1.1] Choi, Junjeong; Jung, Woo-Hee; Koo, Ja Seung Metabolism-Related Proteins Are Differentially Expressed according to the Molecular Subtype of Invasive Breast Cancer Defined by Surrogate Immunohistochemistry *PATHOBIOLOGY* Volume: 80 Issue: 1 Pages: 41-52 Published: 2013, WOS

ADCA112 CHIZHMAKOV, I. - OGDEN, D.C. - GERAGHTY, F.M. - HAYHURST, A. - SKINNER, A. - BETÁKOVÁ, Tatiana - HAY, A.J. Differences in conductance of M2 proton channels of two influenza viruses at low and high pH. In *Journal of Physiology*, 2003, vol. 546, no. 2, p. 427-438. (4.650 - IF2002). (2003 - Current Contents). ISSN 0022-3751.

Ohlasy:

1. [1.1] Ma, C.ae, Fiorin, G.bc, Carnevale, V.bc, Wang, J.d, Lamb, R.A.ef, Klein, M.L.bc, Wu, Y.d , Pinto, L.H.a , Degrado, W.F.d Asp44 stabilizes the Trp41 gate of the M2 proton channel of influenza a virus *Structure* Volume 21, Issue 11, 5 November 2013, Pages 2033-2041, WOS
2. [1.1] Wei, C., Pohorille, A. Activation and proton transport mechanism in influenza A M2 channel *Biophysical Journal* 105 (9) , pp. 2036-2045 , 2013, WOS
3. [1.1] Dong, H., Yi, M., Cross, T.A., Zhou, H.-X. Ab initio calculations and validation of the pH-dependent structures of the His37-Trp41 quartet, the heart of acid activation and proton conductance in the M2 protein of Influenza A virus *Chemical Science* 4 (7) , pp. 2776-2787 , 2013, WOS
4. [1.1] Zhou, H.-X., Cross, T.A. Modeling the membrane environment has implications for membrane protein structure and function: Influenza A M2 protein *Protein Science* 22 (4) , pp. 381-394 , 2013, WOS
5. [1.1] Nanda, V., Cristian, L., Toptygin, D., Brand, L., DeGrado, W.F. Nanosecond dynamics of influenza A/M2TM and an amantadine resistant mutant probed by time-dependent red shifts of a native tryptophan *Chemical Physics* 422 , pp. 73-79 ,2013, WOS

ADCA113 CHOLUJOVÁ, Dana - JAKUBÍKOVÁ, Jana - KUBEŠ, Miroslav - ARENDACKÁ, Barbora - SAPÁK, M. - IHNATKO, Róbert - SEDLÁK, Ján. Comparative study of four fluorescent probes for evaluation of natural killer cell cytotoxicity assays. In *Immunobiology*, 2008, vol. 213, no. 8, p. 629 - 640. (2.886 - IF2007). (2008 - Current Contents). ISSN 0171-2985.

Ohlasy:

1. [1.1] Gourdain, P (Gourdain, Pauline); Boucay, J (Boucay, Julie); Kourjian, G (Kourjian, Georgio); Lai, NY (Lai, Nicole Y.); Duong, E (Duong, Ellen); Le Gall, S (Le Gall, Sylvie)[1,2] A real-time killing assay to follow viral epitope presentation to CD8 T cells *JOURNAL OF IMMUNOLOGICAL METHODS* Volume: 398 Pages: 60-67, 2013, WOS
2. [1.1] Moller-Larsen, A (Moller-Larsen, A.)[1] ; Brudek, T (Brudek, T.)[3] ; Petersen, T (Petersen, T.)[2] ; Petersen, EL (Petersen, E. L.)[1] ; Aagaard, M (Aagaard, M.)[1] ; Hansen, DT (Hansen, D. T.)[1] ; Christensen, T (Christensen, T.) Flow cytometric assay detecting cytotoxicity against human endogenous retrovirus antigens expressed on cultured multiple sclerosis cells *CLINICAL AND*

EXPERIMENTAL IMMUNOLOGY Volume: 173 Issue: 3 Pages: 398-410, 2013, WOS

3. [1.1] Wang, X (Wang, X.)[1] ; Lee, DA (Lee, D. A.)[5] ; Wang, Y (Wang, Y.)[2,3] ; Wang, L (Wang, L.)[4] ; Yao, Y (Yao, Y.)[4] ; Lin, Z (Lin, Z.)[1] ; Cheng, J (Cheng, J.)[2,3] ; Zhu, S (Zhu, S.)[2,3,4] Membrane-bound interleukin-21 and CD137 ligand induce functional human natural killer cells from peripheral blood mononuclear cells through STAT-3 activation CLINICAL AND

EXPERIMENTAL IMMUNOLOGY Volume: 172 Issue: 1 Pages: 104-112 , 2013, WOS

4. [1.1] Chen, H (Chen, Hao)[1,2] ; Jin, Y (Jin, Yang)[1,2] ; Chen, T (Chen, Ting)[1,2] ; Zhang, MQ (Zhang, Mingqiang)[1,2] ; Ma, WL (Ma, Wanli)[1,2] ; Xiong, XZ (Xiong, Xianzhi)[1,2] ; Tao, XN (Tao, The antitumor effect of human cord blood-derived dendritic cells modified by the livin alpha gene in lung cancer cell line ONCOLOGY REPORTS Volume: 29 Issue: 2 Pages: 619-627 , 2013, WOS

ADCA114 CHRASTINA, Adrián - ZÁVADA, Ján - PARKKILA, S. - KALUZ, Štefan - KALUZOVÁ, Milota - RAJČÁNI, Július - PASTOREK, Jaromír - PASTOREKOVÁ, Silvia. Biodistribution and pharmacokinetics of 125I-labeled monoclonal antibody M75 specific for carbonic anhydrase IX, an intrinsic marker of hypoxia, in nude mice xenografted with human colorectal carcinoma. In *International journal of cancer*, 2003, vol. 105, p. 873-881. (4.056 - IF2002). ISSN 0020-7136.

Ohlasy:

1. [1.2] Rana, S.abc, Nissen, F.abc, Lindner, T.abc, Altmann, A.abc, Mier, W.abc, Debus, J.abc, Haberkorn, U.abc, Askoxylakis, V. Screening of a novel peptide targeting the proteoglycan-Like region of human carbonic anhydrase 9 Molecular Imaging Volume 12, Issue 8, November 2013, SCOPUS
2. [1.2] Said, H.M.a , Hagemann, C.b, Carta, F.c, Katzer, A.a, Polat, B.a, Staab, A.d, Scozzafava, A.c, Anacker, J.e, Vince, G.H.bf, Flentje, M.a, Supuran, C.T. Hypoxia induced CA9 inhibitory targeting by two different sulfonamide derivatives including Acetazolamide in human Glioblastoma Bioorganic and Medicinal Chemistry Volume 21, Issue 13, 1 July 2013, Pages 3949-3957, SCOPUS
3. [1.2] Lu, G., Hillier, S.M., Maresca, K.P., Zimmerman, C.N., Eckelman, W.C., Joyal, J.L., Babich, J.W. Synthesis and SAR of novel Re/99mTc-Labeled benzenesulfonamide carbonic anhydrase IX inhibitors for molecular imaging of tumor hypoxia Journal of Medicinal Chemistry Volume 56, Issue 2, 24 January 2013, Pages 510-520, SCOPUS
4. [1.2] Cai, J., Li, F. Single-photon emission computed tomography tracers for predicting and monitoring cancer therapy current Pharmaceutical Biotechnology Volume 14, Issue 7, 2013, Pages 693-707, SCOPUS
5. [1.2] Li, X.-F.a , Ma, Y. Hypoxia in micrometastases Hypoxia: Causes, Types and Management January 2013, Pages 237-254, SCOPUS

ADCA115 IHNATKO, Róbert - KUBEŠ, Miroslav - TAKÁČOVÁ, Martina - SEDLÁKOVÁ, Oľga - SEDLÁK, Ján - PASTOREK, Jaromír - KOPÁČEK, Juraj - PASTOREKOVÁ, Silvia. Extracellular acidosis elevates carbonic anhydrase IX in human glioblastoma cells via transcriptional modulation that does not depend on hypoxia. In *International Journal of Oncology*, 2006, vol. 29, no. 4, p. 1025 - 1033. (2.571 - IF2005). (2006 - Current Contents). ISSN 1019-6439.

Ohlasy:

1. [1.1] Rademakers, SE (Rademakers, Saskia E.)[1] ; Hoogsteen, IJ (Hoogsteen, Ilse J.)[1] ; Rijken, PF (Rijken, Paul F.)[1] ; Oosterwijk, E (Oosterwijk, Egbert)[2] ; Terhaard, CH (Terhaard, Chris H.)[3] ; Doornaert, PA (Doornaert, Patricia A.)[4] ; Langendijk, JA (Langendijk, Johannes A.)[5] ; van den Ende, P (van den Ende, Piet)[6] ; Takes, R (Takes, Robert)[7] ; De Bree, R (De Bree, Remco)[8] ; Van der Kogel, AJ (Van der Kogel, Albert J.)[1] ; Bussink, J (Bussink, Johan)[1] ; Kaanders, JH (Kaanders, Johannes H.) Pattern of CAIX expression is prognostic for outcome and predicts response to ARCON in patients with laryngeal cancer treated in a phase III randomized trial RADIOTHERAPY AND ONCOLOGY Volume: 108 Issue: 3 Pages: 517-522 , 2013, WOS
2. [1.1] Weerakkody, D (Weerakkody, Dhammika)[1] ; Moshnikova, A (Moshnikova, Anna)[1] ; Thakur, MS (Thakur, Mak S.)[1] ; Moshnikova, V (Moshnikova, Valentina)[1] ; Daniels, J (Daniels, Jennifer)[1] ; Engelman, DM (Engelman, Donald M.)[2] ; Andreev, OA (Andreev, Oleg A.)[1] ; Reshetnyak, YK (Reshetnyak, Yana K.)[1] mily of pH (low) insertion peptides for tumor targeting PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA

Volume: 110 Issue: 15 Pages: 5834-5839, 2013, WOS

3. [1.2] Fukamachi, T.a , Ikeda, S.a , Wang, X.a , Saito, H.a , Tagawa, M.b , Kobayashi, H.a Gene expressions for signal transduction under acidic conditions Genes Volume 4, Issue 1, March 2013, Pages 65-85, SCOPUS
4. [1.1] Gieling, Roben G.; Williams, Kaye J. Carbonic anhydrase IX as a target for metastatic disease BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1470-1476 Published: MAR 15 2013, WOS
5. [1.2] Matsubara, T.a , DiResta, G.R.b, Kakunaga, S.c, Li, D.d, Healey, J.H.e Additive influence of extracellular pH, oxygen tension, and pressure on invasiveness and survival of human osteosarcoma cells Frontiers in Oncology Volume 3 JUL, 2013, Article number 00199, SCOPUS
6. [1.2] Honasoge, A., Sontheimer, H. Involvement of tumor acidification in brain cancer pathophysiology Frontiers in Physiology olume 4 NOV, 2013, Article number Article 316, SCOPUS

ADCA116 ILIES, M.A. - VULLO, D. - PASTOREK, Jaromír - SCOZZAFAVA, A. - ILIES, M. - CAPROIU, M.T. - PASTOREKOVÁ, Silvia - SUPURAN, C.T. Carbonic anhydrase inhibitors. Inhibition of tumor-associated isozyme IX by halogenosulfanilamide and halogenophenylaminobenzolamide derivatives. In *Journal of medicinal chemistry*, 2003, vol. 22, no.11, p. 2187 - 2196. (4.566 - IF2002). (2003 - Current Contents). ISSN 0022-2623.

Ohlasy:

1. [1.1] Kalliokoski, T (Kalliokoski, Tuomo)[1] ; Kramer, C (Kramer, Christian)[2] ; Vulpetti, A Quality Issues with Public Domain Chemogenomics Data MOLECULAR INFORMATICS Volume: 32 Issue: 11-12 Pages: 898-905 Special Issue: SI , 2013, WOS
2. [1.1] Zeng, Hongyao; Shao, Huawu Convenient synthesis of sulfonyl azides using PEG-400 as an efficient and eco-friendly reaction medium GREEN CHEMISTRY LETTERS AND REVIEWS Volume: 6 Issue: 3 Pages: 222-227 Published: SEP 1 2013, WOS
3. [1.1] Gomha, SM (Gomha, Sobhi M.)[1] ; Khalil, KD (Khalil, Khaled D.)[1] ; El-Zanaty, AM (El-Zanaty, Ali M.)[2,3] ; Riyadh, SM A FACILE GREEN SYNTHESIS AND ANTI-CANCER ACTIVITY OF BIS-ARYLHYDRAZONONITRILES, TRIAZOLO[5,1-c][1,2,4]TRIAZINE, AND 1,3,4-THIADIAZOLINES HETEROCYCLES Volume: 87 Issue: 5 Pages: 1109-1120, 2013, WOS
4. [1.1] Jain, AK (Jain, Abhishek Kumar)[1] ; Sharma, S (Sharma, Simant)[1] ; Vaidya, A (Vaidya, Ankur)[1] ; Ravichandran, V (Ravichandran, Veerasamy)[2] ; Agrawal, RK 1,3,4-Thiadiazole and its Derivatives: A Review on Recent Progress in Biological Activities CHEMICAL BIOLOGY & DRUG DESIGN Volume: 81 Issue: 5 Pages: 557-576, 2013, WOS
5. [1.1] Dudutiene, V (Dudutiene, Virginija)[1] ; Zubriene, A (Zubriene, Asta)[1] ; Smirnov, A (Smirnov, Alexey)[1] ; Gylte, J (Gylte, Joana)[1] ; Timm, D (Timm, David)[1] ; Manakova, E (Manakova, Elena)[2] ; Grazulis, S (Grazulis, Saulius)[2] ; Matulis, D 4-Substituted-2,3,5,6-tetrafluorobenzenesulfonamides as inhibitors of carbonic anhydrases I, II, VII, XII, and XIII BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 7 Pages: 2093-2106, 2013, WOS
6. [1.1] Li, YJ (Li, Yijing)[1] ; Geng, JK (Geng, Jingkun)[1] ; Liu, Y (Liu, Yang)[1] ; Yu, SH (Yu, Shenghui)[1] ; Zhao, GS Thiadiazole-a Promising Structure in Medicinal Chemistry CHEMMEDCHEM Volume: 8 Issue: 1 Pages: 27-41, 2013, WOS

ADCA117 INNOCENTI, A. - VULLO, D. - PASTOREK, Jaromír - SCOZZAFAVA, A. - PASTOREKOVÁ, Silvia - NISHIMORI, I. - SUPURAN, C.T. Carbonic anhydrase inhibitors. Inhibition of transmembrane isozymes XII (cancer-associated) and XIV with anions. In *Bioorganic & Medicinal Chemistry Letters*, 2007, vol. 17, no. 6, p. 1532-1537. (2.538 - IF2006). (2007 - Current Contents). ISSN 0960-894X.

Ohlasy:

1. [1.1] Buyukkidan, N (Buyukkidan, Nurgun)[1] ; Buyukkidan, B (Buyukkidan, Bulent)[1] ; Bulbul, M (Bulbul, Metin)[1] ; Ozer, S (Ozer, Salih)[1] ; Yalcin, HG Synthesis and characterization of phenolic Mannich bases and effects of these compounds on human carbonic anhydrase isozymes I and II JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY Volume: 28 Issue: 2 Pages: 337-342, 2013, WOS

ADCA118 INNOCENTI, A. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - SCOZZAFAVA, A. - SIMONE, G.D. - SUPURAN, C.T. The proteoglycan region of the tumor-associated carbonic anhydrase isoform IX acts as an intrinsic buffer optimizing CO (2) hydration at acidic pH values characteristic of solid tumors. In *Bioorganic & Medicinal Chemistry Letters*, 2009, vol. 19, no. 20, p. 5825-5828. (2.531 - IF2008). (2009 - Current Contents). ISSN 0960-894X.

Ohlasy:

1. [1.1] Ul-Haq, Z (Ul-Haq, Zaheer)[1] ; Usmani, S (Usmani, Saman)[1] ; Mahmood, U (Mahmood, Uzma)[1] ; al-Rashida, M (al-Rashida, Mariya)[2] ; Abbas, G In-Silico Analysis of Chromone Containing Sulfonamide Derivatives as Human Carbonic Anhydrase Inhibitors MEDICINAL CHEMISTRY Volume: 9 Issue: 4 Pages: 608-616, 2013, WOS

ADCA119 JAKUBIČKOVÁ, Lýdia - BIESOVÁ, Zuzana - PASTOREKOVÁ, Silvia - KETTMANN, R. - PASTOREK, Jaromír. Methylation of the CA9 promoter can modulate expression of the tumor-associated carbonic anhydrase IX in dense carcinoma cell lines. In *International Journal of Oncology*, 2005, vol. 26, no. 4, p. 1121 - 1127. (3.056 - IF2004). (2005 - Current Contents).

Ohlasy:

1. [1.1] Gomez, CR (Gomez, Christian R.)[1,2,3] ; Kosari, F (Kosari, Farhad)[4] ; Munz, JM (Munz, Jan-Marie)[4] ; Schreiber, CA (Schreiber, Claire A.)[1] ; Knutson, GJ (Knutson, Gaylord J.)[1] ; Ida, CM (Ida, Cristiane M.)[5] ; El Khattouti, A (El Khattouti, Abdelouahid)[6] ; Karnes, RJ (Karnes, R. Jeffrey)[7] ; Cheville, JC (Cheville, John C.)[5] ; Vasmataz, G (Vasmataz, George)[4] ; Vuk-Pavlovic, S Prognostic Value of Discs Large Homolog 7 Transcript Levels in Prostate Cancer PLOS ONE Volume: 8 Issue: 12 , Article Number: e82833, 2013, WOS

ADCA120 JARVELA, S. - HAAPASALO, H. - PARKKILA, S. - BRAGGE, H. - KAHKONEN, M. - PARKKILA, Anna-Kaisa - SOINI, Ylermi - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír. Carbonic anhydrase IX in oligodendroglial brain tumors. In *BMC cancer*, 2008, vol. 8, no. 1. (2.709 - IF2007). Názov z titulnej obrazovky. Požaduje sa. Dostupné na internete: <<http://www.biomedcentral.com/1471-2407/8/1>>.

Ohlasy:

1. [1.2] Pan, Z.ab, Grizzle, W.b, Hameed, O. Significant variation of immunohistochemical marker expression in paired primary and metastatic clear cell renal cell carcinomas American Journal of Clinical Pathology Volume 140, Issue 3, September 2013, Pages 410-418, SCOPUS
2. [1.2] Wu, L.abc, Sagong, B.d, Choi, J.Y.ac, Kim, U.-K.d, Bok, J. A Systematic Survey of Carbonic Anhydrase mRNA Expression During Mammalian Inner Ear Development Developmental Dynamics Volume 242, Issue 3, March 2013, Pages 269-280, SCOPUS

ADCA121 JUHASOVA, Barbora - BHATIA-KISSOVA, Ingrid - POLČICOVÁ, Katarína - MENTAL, Marek - FORTE, Michael - POLČIC, P. Reconstitution of interactions of Murine gammaherpesvirus 68 M11 with Bcl-2 family proteins in yeast. In *Biochemical and biophysical research communications*, 2011, vol. 407, no. 4, p. 783 - 787. (2.595 - IF2010). (2011 - Current Contents). ISSN 0006-291X.

Ohlasy:

1. [1.1] Beaumont, T.E., Shekhar, T.M., Kaur, L., Pantaki-Eimany, D., Kvansakul, M., Hawkins, C.J. Yeast techniques for modeling drugs targeting Bcl-2 and caspase family members Cell Death and Disease Volume 4, Issue 5, May 2013, Article number e619, WOS

ADCA122 JUHASZ, M. - CHEN, J. - LENDECKEL, U. - KELLNER, U. - KASPER, H.U. - TULASSAY, Z. - PASTOREKOVÁ, Silvia - MALFERTHEINER, P. - EBERT, M.P. Expression of carbonic anhydrase IX in human pancreatic cancer. In *Alimentary Pharmacology & Therapeutics*. - Oxford, England : Blackwell Science, 2003, vol.18, no.8, p. 837-846. (3.489 - IF2002).

Ohlasy:

1. [1.1] Zhang, YQ (Zhang, Yuqing)[1] ; Yang, JX (Yang, Jingxuan)[2] ; Cui, XB (Cui, Xiaobo)[2] ; Chen, Y (Chen, Yong)[3] ; Zhu, VF (Zhu, Vivian F.)[2] ; Hagan, JP (Hagan, John P.)[2] ; Wang, HM (Wang, Huamin)[4] ; Yu, XJ (Yu, Xianjun)[5,6,7] ; Hodges, SE (Hodges, Sally E.)[1] ; Fang, J (Fang, Jing)[8] ; Chiao, PJ (Chiao, Paul J.)[9] ; Logsdon, CD (Logsdon, Craig D.)[10] ; Fisher, WE (Fisher, William E.)[1] ; Brunicardi, FC (Brunicardi, F. Charles)[1,11] ; Chen, CY (Chen, Changyi)[1] ; Yao, QZ

- (Yao, Qizhi)[1] ; Fernandez-Zapico, ME (Fernandez-Zapico, Martin E.)[12] ; Li, M A novel epigenetic CREB-miR-373 axis mediates ZIP4-induced pancreatic cancer growth EMBO MOLECULAR MEDICINE Volume: 5 Issue: 9 Pages: 1322-1334 , 2013, WOS
2. [1.1] Sheng, WW (Sheng, Weiwei)[1] ; Dong, M (Dong, Ming)[1] ; Zhou, JP (Zhou, Jianping)[1] ; Li, X (Li, Xin)[1] ; Dong, Q Down regulation of CAII is associated with tumor differentiation and poor prognosis in patients with pancreatic cancer JOURNAL OF SURGICAL ONCOLOGY Volume: 107 Issue: 5 Pages: 536-543 , 2013, WOS
3. [1.1] Wang, S.-L., Wu, R. Progress in research of hypoxia and angiogenesis in pancreatic cancer World Chinese Journal of Digestology Volume 21, Issue 30, 28 October 2013, Pages 3217-3221, 2013, WOS

ADCA123 KALLIO, Heini - TOLVANEN, Martti - JÄNIS, Janne - PAN, Pei-wen - LAURILA, E. - KALLIONIEMI, Anne - KILPINEN, Sami - TUOMINEN, Vilppu J. - ISOLA, Jorma - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - PARKKILA, S. Characterization of Non-Specific Cytotoxic Cell Receptor Protein 1: A New Member of the Lectin-Type Subfamily of F-Box Proteins. In *PLoS ONE*, 2011, vol. 6, no. 11, e27152. (4.411 - IF2010). (2011 - Current Contents, MEDLINE). ISSN 1932-6203. Dostupné na internete: <<http://www.plosone.com>>.

Ohlasy:

1. [1.1] Cai, J (Cai, Jia)[1,2,3] ; Wei, SN (Wei, Shina)[1,2,3] ; Wang, B (Wang, Bei)[1,2,3] ; Huang, YC (Huang, Yucong)[1,2,3] ; Tang, JF (Tang, Jufen)[1,2,3] ; Lu, YS (Lu, Yishan)[1,2,3] ; Wu, ZH (Wu, Zaohe)[2,3,4] ; Jian, JC Cloning and expression analysis of nonspecific cytotoxic cell receptor 1 (Ls-NCCRP1) from red snapper (*Lutjanus sanguineus*) MARINE GENOMICS Volume: 11 Pages: 39-44, 2013, WOS
2. [1.1] Fischer, U (Fischer, Uwe)[1] ; Koppang, EO (Koppang, Erling Olaf)[2] ; Nakanishi, T Teleost T and NK cell immunity FISH & SHELLFISH IMMUNOLOGY Volume: 35 Issue: 2 Pages: 197-206, 2013, WOS
3. [1.1] Vijayaraghavalu, S (Vijayaraghavalu, Sivakumar)[1] ; Dermawan, JK (Dermawan, Josephine Kamtai)[1] ; Cheriya, V (Cheriya, Venugopalan)[2] ; Labhasetwar, V Highly Synergistic Effect of Sequential Treatment with Epigenetic and Anticancer Drugs To Overcome Drug Resistance in Breast Cancer Cells Is Mediated via Activation of p21 Gene Expression Leading to G2/M Cycle Arrest MOLECULAR PHARMACEUTICS Volume: 10 Issue: 1 Pages: 337-352, 2013, WOS

ADCA124 KALLIO, H. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - WAHEED, A. - SLY, W.S. - MANNISTO, S. - HEIKINHEIMO, M. - PARKKILA, S. Expression of carbonic anhydrases IX and XII during mouse embryonic development. In *BMC Developmental Biology*, 2006, vol. 6, no. 22, p. 1- 9. (2.781 - IF2005). ISSN 1471-213X.

Ohlasy:

1. [1.1] Damkier, HH (Damkier, Helle H.); Brown, PD (Brown, Peter D.); Praetorius, J CEREBROSPINAL FLUID SECRETION BY THE CHOROID PLEXUS PHYSIOLOGICAL REVIEWS Volume: 93 Issue: 4 Pages: 1847-1892, 2013, WOS

ADCA125 KALUZ, Štefan - KALUZOVÁ, Milota - STANBRIDGE, E.J. Expression of the hypoxia marker carbonic anhydrase IX is critically dependent on SP1 activity. Identification of a novel type of hypoxia-responsive enhancer. In *Cancer Research*, 2003, vol. 63, no. 5, p. 917 - 922. (8.302 - IF2002). (2003 - Current Contents). ISSN 008-5472.

Ohlasy:

1. [1.1] Gieling, RG (Gieling, Roben G.)(1] ; Parker, CA (Parker, Catriona A.)(2] ; De Costa, LA (De Costa, Lisa A.)(2] ; Robertson, N (Robertson, Naomi)(3] ; Harris, AL (Harris, Adrian L.)(3] ; Stratford, IJ (Stratford, Ian J.)(2] ; Williams, KJ Inhibition of carbonic anhydrase activity modifies the toxicity of doxorubicin and melphalan in tumour cells in vitro JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY Volume: 28 Issue: 2 Pages: 360-369, 2013, WOS

ADCA126 KALUZ, Štefan - KALUZOVÁ, Milota - CHRASTINA, A. - OLIVE, P.L. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - LERMAN, M.I. - STANBRIDGE, E.J. Lowered oxygen tension induces expression of the

hypoxia marker MN/carbonic anhydrase IX in the absence of hypoxia-inducible factor 1 alpha stabilization: a role for phosphatidylinositol 3-kinase. In *Cancer Research*, 2002, vol. 62, no. 15, p. 4469-4477. (8.302 - IF2001). (2002 - Current Contents). ISSN 008-5472.

Ohlasy:

1. [1.1] Klimowicz, AC (Klimowicz, A. C.)[1,2] ; Bose, P (Bose, P.)[1] ; Petrillo, SK (Petrillo, S. K.)[2] ; Magliocco, AM (Magliocco, A. M.)[1,2] ; Dort, JC (Dort, J. C.)[3] ; Brockton, NT The prognostic impact of a combined carbonic anhydrase IX and Ki67 signature in oral squamous cell carcinoma BRITISH JOURNAL OF CANCER Volume: 109 Issue: 7 Pages: 1859-1866, 2013, WOS
2. [1.1] Gieling, Roben G.; Williams, Kaye J. Carbonic anhydrase IX as a target for metastatic disease BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1470-1476 Published: MAR 15 2013, WOS
3. [1.1] Teppo, S (Teppo, Susanna)[1,2] ; Sundquist, E (Sundquist, Elias)[1,2] ; Vered, M (Vered, Marilena)[3] ; Holappa, H (Holappa, Heidi)[4] ; Parkkisenniemi, J (Parkkisenniemi, Juha)[1,2] ; Rinaldi, T (Rinaldi, Tatiana)[1,2] ; Lehenkari, P (Lehenkari, Petri)[5] ; Grenman, R (Grenman, Reidar)[6,7,8] ; Dayan, D (Dayan, Dan)[3] ; Risteli, J (Risteli, Juha)[9,10] ; Salo, T (Salo, Tuula)[1,2,10] ; Nyberg, P The hypoxic tumor microenvironment regulates invasion of aggressive oral carcinoma cells EXPERIMENTAL CELL RESEARCH Volume: 319 Issue: 4 Pages: 376-389, 2013, WOS
4. [1.1] Mayer, A (Mayer, A.)[1] ; Hockel, M (Hoeckel, M.)[2] ; Schlischewsky, N (Schlischewsky, N.)[1] ; Schmidberger, H (Schmidberger, H.)[1] ; Horn, LC (Horn, L-C)[3] ; Vaupel, P Lacking hypoxia-mediated downregulation of E-cadherin in cancers of the uterine cervix BRITISH JOURNAL OF CANCER Volume: 108 Issue: 2 Pages: 402-408, 2013, WOS
5. [1.1] Choi, J (Choi, Junjeong)[1] ; Jung, WH (Jung, Woo-Hee)[2] ; Koo, JS Metabolism-Related Proteins Are Differentially Expressed according to the Molecular Subtype of Invasive Breast Cancer Defined by Surrogate Immunohistochemistry PATHOBIOLOGY Volume: 80 Issue: 1 Pages: 41-52 , 2013, WOS
6. [1.2] Moreno-Acosta, P.a , Carrillo, S.a, Gamboa, O.b, Acosta, Y.c, Balart-Serra, J.d, Magne, N.e, Melo-Urbe, M.A.f, Romero-Rojas, A.E. Expression of the hypoxic and glycolytic markers, CAIX, GLUT-1 and HKII and their association with early treatment response in squamous cell carcinomas of the uterine cervix [Expresión de marcadores hipóxicos y glucolíticos CAIX, GLUT-1, HKII y su relación con la respuesta temprana al tratamiento en carcinoma escamocelular de cuello uterino] Progresos de Obstetricia y Ginecologia Volume 56, Issue 8, October 2013, Pages 404-413, SCOPUS

ADCA127 KALUZ, Štefan - KALUZOVÁ, Milota - OPAVSKÝ, René - PASTOREKOVÁ, Silvia - GIBADULINOVÁ, Adriana - DEQUIEDT, F. - KETTMANN, R. - PASTOREK, Jaromír. Transcriptional regulation of the MN/CA9 gene coding for the tumor-associated carbonic anhydrase IX- identification and characterization of a proximal silencer element. In *Journal of Biological Chemistry*, 1999, vol. 274, no. 47, p. 32588-32595. (7.199 - IF1998). (1999 - Current Contents). ISSN 0021-9258. 2/6074/99, 2/4013/99.

Ohlasy:

1. [1.1] Shareef, M.M.ab , Udayakumar, T.S.ab, Sinha, V.K.abc, Saleem, S.M.d, Griggs, W.W. Interaction of HIF-1 α and Notch3 Is Required for the Expression of Carbonic Anhydrase 9 in Breast Carcinoma Cells Genes and Cancer Volume 4, Issue 11-12, November 2013, Pages 513-523, WOS

ADCA128 KALUZOVÁ, Milota - KALUZ, Štefan - LERMAN, M.I. - STANBRIDGE, E.J. DNA damage is a prerequisite for p53-mediated proteasomal degradation of HIF-1 α in hypoxic cells and downregulation of the hypoxia marker carbonic anhydrase IX. In *Molecular and Cellular Biology*, 2004, vol.24, no.13, p. 5757-5766. (8.142 - IF2003). ISSN 0270-7306.

Ohlasy:

1. [1.1] Sutendra, G (Sutendra, G.)[1] ; Dromparis, P (Dromparis, P.)[1] ; Kinnaird, A (Kinnaird, A.)[1] ; Stenson, TH (Stenson, T. H.)[1] ; Haromy, A (Haromy, A.)[1] ; Parker, JMR (Parker, J. M. R.)[1] ; McMurtry, MS (McMurtry, M. S.)[1] ; Michelakis, ED (Michelakis, E. D.)[1] Mitochondrial activation by inhibition of PDKII suppresses HIF1 alpha signaling and angiogenesis in cancer ONCOGENE Volume: 32 Issue: 13 Pages: 1638-1650 DOI: 10.1038/onc.2012.198 Published: MAR 28 2013, WOS
2. [1.1] Xu, YM (Xu, Yimiao)[1] ; Diao, Y (Diao, Ying)[1] ; Qi, SM (Qi, Shimei)[1] ; Pan, XL (Pan,

- Xiaolong)[1] ; Wang, Q (Wang, Qi)[1] ; Xin, YQ (Xin, Yinqiang)[1] ; Cao, X (Cao, Xiang)[1] ; Ruan, J (Ruan, Jie)[1] ; Zhao, ZH (Zhao, Zhihui)[1] ; Luo, L (Luo, Lan)[2] ; Liu, C (Liu, Chang)[1] ; Yin, ZM
Phosphorylated Hsp27 activates ATM-dependent p53 signaling and mediates the resistance of MCF-7 cells to doxorubicin-induced apoptosis CELLULAR SIGNALLING Volume: 25 Issue: 5 Pages: 1176-1185, 2013, WOS
3. [1.1] Sutendra, G (Sutendra, G.)[1] ; Dromparis, P (Dromparis, P.)[1] ; Kinnaird, A (Kinnaird, A.)[1] ; Stenson, TH (Stenson, T. H.)[1] ; Haromy, A (Haromy, A.)[1] ; Parker, JMR (Parker, J. M. R.)[1] ; McMurtry, MS (McMurtry, M. S.)[1] ; Michelakis, ED Mitochondrial activation by inhibition of PDKII suppresses HIF1 alpha signaling and angiogenesis in cancer ONCOGENE Volume: 32 Issue: 13 Pages: 1638-1650, 2013, WOS
4. [3] Dromparis, Peter; Michelakis, Evangelos D. Mitochondria in Vascular Health and Disease Edited by: Julius, D ANNUAL REVIEW OF PHYSIOLOGY, VOL 75 Book Series: Annual Review of Physiology Volume: 75 Pages: 95-126 Published: 2013
5. [1.2] Sutendra, G., Michelakis, E.D. Pyruvate dehydrogenase kinase as a novel therapeutic target in oncology Frontiers in Oncology Volume 3 MAR, 2013, Article number Article 00038, SCOPUS

ADCA129 KAMBOL, R. - KABÁT, Peter - TRISTEM, M. Complete nucleotide sequence of an endogenous retrovirus from the amphibian, *Xenopus laevis*. In *Virology*. - Orlando : Academic Press, 2003, vol. 311, no. 1, p. 1 - 6. (3.363 - IF2002). (2003 - Current Contents). ISSN 0042-6822.

Ohlasy:

1. [1.1] Brown, K (Brown, Katherine)[1] ; Moreton, J (Moreton, Joanna)[2] ; Malla, S (Malla, Sunir)[2] ; Aboobaker, AA (Aboobaker, A. Aziz)[2] ; Emes, RD (Emes, Richard D.)[1] ; Tarlinton, RE (Tarlinton, Rachael E.)[1] Characterisation of retroviruses in the horse genome and their transcriptional activity via transcriptome sequencing VIROLOGY Volume: 433 Issue: 1 Pages: 55-63 DOI: 10.1016/j.virol.2012.07.010 Published: NOV 10 2012, WOS
2. [1.1] Simon-Loriere, E., Holmes, E.C. Gene duplication is infrequent in the recent evolutionary history of RNA viruses 2013) Molecular Biology and Evolution, 30 (6), pp. 1263-1269, WOS

ADCA130 KARHUMAA, P. - KAUNISTO, K. - PARKKILA, S. - WAHEED, A. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - SLY, W.S. - RAJANIEMI, H. Expression of the transmembrane carbonic anhydrases, CA IX and CA XII, in the human male excurrent ducts. In *Molecular Human Reproduction*, 2001, vol. 7, p. 611-616. (3.232 - IF2000). (2001 - Current Contents).

Ohlasy:

1. [1.1] Gholami, K (Gholami, Khadijeh)[1] ; Muniandy, S (Muniandy, Sekaran)[1] ; Salleh, N In-Vivo Functional Study on the Involvement of CFTR, SLC26A6, NHE-1 and CA Isoenzymes II and XII in Uterine Fluid pH, Volume and Electrolyte Regulation in Rats under Different Sex-Steroid Influence INTERNATIONAL JOURNAL OF MEDICAL SCIENCES Volume: 10 Issue: 9 Pages: 1121-1134, 2013, WOS

ADCA131 KAZIMÍROVÁ, Mária - DOVINOVÁ, Ima - ROLNÍKOVÁ, Terézia - TÓTHOVÁ, Livia - HUNÁKOVÁ, Ľubica. Anti-proliferative activity and apoptotic effect of tick salivary gland extracts on human HeLa cells. In *Neuro Endocrinol Letters*, 2006, vol. 27, suppl. 2, p. 48-52. (1.005 - IF2005). (2006 - WOS, SCOPUS).

Ohlasy:

1. [3] MULENGA Albert. MOLECULAR BIOLOGY AND PHYSIOLOGY OF CHEMICAL COMMUNICATION. p. 368 In: Sonenshine D.E., ROE R.M. (eds) Biology of Ticks Vol. 1 (Nov. 2013). 560 pp. ISBN:978-0-19-974405-3, Google Scholar

ADCA132 KHASNATINOV, Maxim A. - USTANÍKOVÁ, Katarína - FROLOVA, T. - POGODINA, Vanda V. - BOCHKOVA, N.G. - LEVINA, L.S. - SLOVÁK, Mirko - KAZIMÍROVÁ, Mária - LABUDA, Milan - KLEMPA, Boris - ELEČKOVÁ, Elena - GOULD, E.A. - GRITSUN, T.S. Non-Hemagglutinating Flaviviruses: Molecular Mechanisms for the Emergence of New Strains via Adaptation to European Ticks. In *PLoS ONE*, 2009, vol. 4, no. 10, 11 pp. (2009 - Current Contents). ISSN 1932-6203.

Ohlasy:

1. [1.1] Katargina Olga, Russakova Stanislava, Geller Julia, Kondrusik Macije, Zajkowska Joanna, Zygutienė Milda, Bormane Antra, Trofimova Julia, Golovljova Irina (2013) Detection and Characterization of Tick-Borne Encephalitis Virus in Baltic Countries and Eastern Poland PLOS ONE Volume: 8 Issue: 5 Article Number: e61374 DOI: 10.1371/journal.pone.0061374, WOS
2. [1.1] TONTERI, E., KIPAR, A., VOUTILAINEN, L., VENE, S., VAHERI, A., VAPALAHTI, O., LUNDKVIST, Å. (2013) The three subtypes of tick-borne encephalitis virus induce encephalitis in a natural host, the bank vole (*Myodes glareolus*) PLoS ONE Volume 8, Issue 12, 13 December 2013, Article number e81214 DOI:10.1371/journal.pone.0081214, WOS
3. [1.1] BAHARUDDIN A., HASSAN AA., SHENG GC., NASIR SB., OTHMAN S., YUSOF R., OTHMAN R., RAHMAN NA. 2013. Current approaches in antiviral drug discovery against the flaviviridae family. CURRENT PHARMACEUTICAL DESIGN 20(21): 3428-3444., WOS

ADCA133 KIM, H.J. - FODOR, Ervín - BROWNLEE, G.G. - SEONG, B.L. Mutation analysis of the RNA-fork model of the influenza A virus vRNA promoter in vivo. In *Journal of General Virology*, 1997, vol. 78, p. 353-357. (3.278 - IF1996). (1997 - Current Contents). ISSN 0022-1317.

Ohlasy:

1. [1.1] Ma, J (Ma, Jun)[1] ; Liu, K (Liu, Kang)[1] ; Xue, CY (Xue, Chunyi)[1] ; Zhou, JQ (Zhou, Jianqiang)[1] ; Xu, S (Xu, Shun)[1] ; Ren, YD (Ren, Yida)[1] ; Zheng, J (Zheng, Jing)[1] ; Cao, YC Impact of the segment-specific region of the 3'-untranslated region of the influenza A virus PB1 segment on protein expression VIRUS GENES Volume: 47 Issue: 3 Pages: 429-438, 2013, WOS
2. [1.1] Wang, Y. , Landman, B. , Wu, C. , Gelb, J. , Golovan, S. Comparison of vRNA and cRNA based reporters for detection of influenza replication Antiviral Research Volume 98, Issue 1, April 2013, Pages 76-84, WOS

ADCA134 KINGHAM, Brewster F. - ZELNÍK, Vladimír - KOPÁČEK, Juraj - MAJERČIAK, Vladimír - NEY, E. - SCHMIDT, Carl J. The genome of Herpesvirus of Turkey: comparative analysis with Marek's disease viruses. In *Journal of General Virology*. - Reading RG7 1AG : Society for General Microbiology, Marlborough House, 2001, vol. 82, no. 5, p. 1123-1135. (3.126 - IF2000). (2001 - Current Contents). ISSN 0022-1317.

Ohlasy:

1. [1.2] Sudhakar, S., Jayakumaran Nair, A. Marek's disease: The never ending challenge - A review International Journal of Pharma and Bio Sciences Volume 4, Issue 2, June 2013, Pages B6-B11, SCOPUS
2. [1.2] Walkden-Brown, S.W.a , Islam, A.ae, Groves, P.J.b, Rubite, A.c, Sharpe, S.M.d, Burgess, S.K. Development, application, and results of routine monitoring of Marek's disease virus in broiler house dust using real-time quantitative PCR Avian Diseases Volume 57, Issue 2 SUPPL. 1, June 2013, Pages 544-554, SCOPUS
3. [1.2] Hall, R.N.ab, Meers, J.a, Mitter, N.b, Fowler, E.V.c, Mahony, T.J. The meleagrid herpesvirus 1 genome is partially resistant to transposition Avian Diseases Volume 57, Issue 2 SUPPL. 1, June 2013, Pages 380-386, SCOPUS
4. [1.2] Woźniakowski, G. , Samorek-Salamonowicz, E., Kozdruń, W. Comparison of loop-mediated isothermal amplification and PCR for the detection and differentiation of Marek's disease virus serotypes 1, 2, and 3 Comparison of loop-mediated isothermal amplification and PCR for the detection and differentiation of Marek's disease virus serotypes 1, 2, and 3 Avian Diseases Volume 57, Issue 2 SUPPL. 1, June 2013, Pages 539-543, SCOPUS

ADCA135 KITSBERG, D. - FORMSTECHER, E. - FAGUET, M. - KUBEŠ, Miroslav - CORDIER, J. - CANTON, B. - PAN, GH. - ROLLI, M - GLOWINSKI, J. - CHNEIWEISS, H. Knock-out of the neural death effector domain protein PEA-15. In *Journal of Neuroscience*, 1999, vol. 19, no. 19, p. 8244-8251. (8.403 - IF1998). (1999 - Current Contents).

Ohlasy:

1. [1.2] Funke, V.ab, Lehmann-Koch, J.ab, Bickeböller, M.ab, Benner, A.c, Tagscherer, K.E.ab, Grund, K.ab, Pfeifer, M.d, Herpel, E.a, Schirmacher, P.a, Chang-Claude, J.e, Brenner, H.f, Hoffmeister, M.f, Roth, W.a The PEA-15/PED protein regulates cellular survival and invasiveness in colorectal

carcinomas Cancer Letters Volume 335, Issue 2, 28 July 2013, Pages 431-440, SCOPUS

2. [1.2] Thomason, L.A.M.a, Smithson, L.J.b, Hazrati, L.-N.c, McLaurin, J.a, Kawaja, M.D. Reactive astrocytes associated with plaques in TgCRND8 mouse brain and in human alzheimer brain express phosphoprotein enriched in astrocytes (PEA-15) FEBS Letters Volume 587, Issue 15, 2 August 2013, Pages 2448-2454, SCOPUS

ADCA136 KIVELA, A.J. - KNUUTTILA, L. - RÄSÄNEN, J. - SIHVO, E. - SALMENKIVI, K. - SAARNIO, J. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - WAHEED, A. - SLY, W.S. - SALO, J.A. - PARKKILA, S. Carbonic anhydrase IX in malignant plural mesotheliomas: A potential target for anti - cancer therapy. In *Bioorganic & Medicinal Chemistry*, 2013, vol. 21, no. 6., p. 1483 - 1488. (2.903 - IF2012). (2013 - Current Contents). ISSN 0968-0896.

Ohlasy:

1. [1.1] Carradori, Simone Selective carbonic anhydrase IX inhibitors based on coumarin scaffold as promising antimetastatic agents: WO2012070024 EXPERT OPINION ON THERAPEUTIC PATENTS Volume: 23 Issue: 6 Pages: 751-756 Published: JUN 2013, WOS
2. [1.1] Tokarova, V (Tokarova, Viola)[1] ; Pittermannova, A (Pittermannova, Anna)[1] ; Kral, V (Kral, Vlastimil)[2] ; Rezacova, P (Rezacova, Pavlina)[2] ; Stepanek, F Feasibility and constraints of particle targeting using the antigen-antibody interaction NANOSCALE Volume: 5 Issue: 23 Pages: 11490-11498, 2013, WOS

ADCA137 KIVELA, A.J. - SAARNIO, J. - KARTTUNEN, T.J. - KIVELÄ, J. - PARKKILA, A.K. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - WAHEED, A. - SLY, W.S. - PARKKILA, T.S. - RAJANIEMI, H. Differential expression of cytoplasmic carbonic anhydrase, CA I and II, and membrane-associated isozymes, CA IX and XII, in normal mucosa of large intestine and in colorectal tumors. In *Digestive Disease and Science*, 2001, vol. 46, p. 2179-2186. (0.744 - IF2000). (2001 - Current Contents).

Ohlasy:

1. [1.1] Zhou, R (Zhou, Rui)[1,2,4] ; Huang, WJ (Huang, Wenjun)[4] ; Yao, YQ (Yao, Yuqin)[1,2] ; Wang, Y (Wang, Yuxi)[1,2] ; Li, ZQ (Li, Ziqiang)[1,2] ; Shao, B (Shao, Bin)[1,2] ; Zhong, J (Zhong, Jian)[1,2] ; Tang, MH (Tang, Minghai)[1,2] ; Liang, SF (Liang, Shufang)[1,2] ; Zhao, X (Zhao, Xia)[3] ; Tong, AP (Tong, Aiping)[1,2] ; Yang, JL CA II, a potential biomarker by proteomic analysis, exerts significant inhibitory effect on the growth of colorectal cancer cells INTERNATIONAL JOURNAL OF ONCOLOGY Volume: 43 Issue: 2 Pages: 611-621, 2013, WOS
2. [1.1] Sheng, WW (Sheng, Weiwei)[1] ; Dong, M (Dong, Ming)[1] ; Zhou, JP (Zhou, Jianping)[1] ; Li, X (Li, Xin)[1] ; Dong, Q Down regulation of CAII is associated with tumor differentiation and poor prognosis in patients with pancreatic cancer JOURNAL OF SURGICAL ONCOLOGY Volume: 107 Issue: 5 Pages: 536-543, 2013, WOS
3. [1.1] Gieling, RG (Gieling, Roben G.)([1] ; Parker, CA (Parker, Catriona A.)([2] ; De Costa, LA (De Costa, Lisa A.)([2] ; Robertson, N (Robertson, Naomi)([3] ; Harris, AL (Harris, Adrian L.)([3] ; Stratford, IJ (Stratford, Ian J.)([2] ; Williams, KJ Inhibition of carbonic anhydrase activity modifies the toxicity of doxorubicin and melphalan in tumour cells in vitro JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY Volume: 28 Issue: 2 Pages: 360-369, 2013, WOS

ADCA138 KIVELA, A.J. - PARKKILA, S. - SAARNIO, J. - KARTTUNEN, T.J. - KIVELA, A.J. - PARKKILA, A.K. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - WAHEED, A. - SLY, W.S. - RAJANIEMI, H. Expression of transmembrane carbonic anhydrase isoenzymes IX and XII in normal human pancreas and pancreatic tumours. In *Histochemistry and Cell Biology*, 2000, vol. 114, no.3, p. 197 - 204. (2.367 - IF1999). ISSN 0948-6143.

Ohlasy:

1. [1.1] Slawinski, J (Slawinski, Jaroslaw)[1] ; Szafranski, K (Szafranski, Krzysztof)[1] ; Vullo, D (Vullo, Daniela)[2] ; Supuran, CT Carbonic anhydrase inhibitors. Synthesis of heterocyclic 4-substituted pyridine-3-sulfonamide derivatives and their inhibition of the human cytosolic isozymes I and II and transmembrane tumor-associated isozymes IX and XII EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY Volume: 69 Pages: 701-710, 2013, WOS
2. [1.1] Gondi, G (Gondi, Gabor)[1] ; Mysliwicz, J (Mysliwicz, Josef)[2] ; Hulikova, A (Hulikova,

Alzbeta)[4] ; Jen, JP (Jen, Jian Ping)[4] ; Swietach, P (Swietach, Pawel)[4] ; Kremmer, E (Kremmer, Elisabeth)[2] ; Zeidler, R Antitumor Efficacy of a Monoclonal Antibody That Inhibits the Activity of Cancer-Associated Carbonic Anhydrase XII CANCER RESEARCH Volume: 73 Issue: 21 Pages: 6494-6503, 2013, WOS

3. [1.1] Monti, Simona Maria; Supuran, Claudiu T.; De Simone, Giuseppina Anticancer carbonic anhydrase inhibitors: a patent review (2008-2013) EXPERT OPINION ON THERAPEUTIC PATENTS Volume: 23 Issue: 6 Pages: 737-749 Published: JUN 2013, WOS

4. [1.1] Sheng, WW (Sheng, Weiwei)[1] ; Dong, M (Dong, Ming)[1] ; Zhou, JP (Zhou, Jianping)[1] ; Li, X (Li, Xin)[1] ; Dong, Q Down regulation of CAII is associated with tumor differentiation and poor prognosis in patients with pancreatic cancer JOURNAL OF SURGICAL ONCOLOGY olume: 107 Issue: 5 Pages: 536-543, 2013, WOS

5. [1.1] Mikami, Y (Mikami, Yoshiki)[1] ; Minamiguchi, S (Minamiguchi, Sachiko)[1] ; Teramoto, N (Teramoto, Norihiro)[2] ; Nagura, M (Nagura, Michikazu)[3] ; Haga, H (Haga, Hironori)[1] ; Konishi, I Carbonic anhydrase type IX expression in lobular endocervical glandular hyperplasia and gastric-type adenocarcinoma of the uterine cervix PATHOLOGY RESEARCH AND PRACTICE Volume: 209 Issue: 3 Pages: 173-178, 2013, WOS

ADCA139 KIVELA, A.J. - PARKKILA, S. - SAARNIO, J. - KARTTUNEN, T.J. - KIVELÄ, J. - PARKKILA, A.K. - BARTOŠOVÁ, Mária - MUCHA, Vojtech - NOVÁK, Michal - WAHEED, A. - SLY, W.S. - RAJANIEMI, H. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír. Expression of von Hippel-Lindau tumor suppressor and tumor-associated carbonic anhydrases IX and XII in normal and neoplastic colorectal mucosa. In *World Journal of Gastroenterology*, 2005, vol. 11, no. 17, p. 2616 - 2625. ISSN 1007-9327.

Ohlasy:

1. [1.1] Monti, Simona Maria; Supuran, Claudiu T.; De Simone, Giuseppina Anticancer carbonic anhydrase inhibitors: a patent review (2008-2013) EXPERT OPINION ON THERAPEUTIC PATENTS Volume: 23 Issue: 6 Pages: 737-749 Published: JUN 2013, WOS

ADCA140 KLEMPA, Boris - KRÜGER, D.H. - AUSTE, B. - STANKO, Michal - KRAWCZYK, A. - NICKEL, K.F. - UBERIA, K. - STANG, A. A novel cardiotropic murine adenovirus representing a distinct species of mastadenoviruses. In *Journal of Virology*, 2009, vol. 83, no. 11, p. 5749 - 5759. (5.308 - IF2008). (2009 - Current Contents). ISSN 0022-538X.

Ohlasy:

1. [1.1] Wu, LJ (Wu, Lijun)[1] ; Zhou, P (Zhou, Peng)[1,2] ; Ge, XY (Ge, Xingyi)[1] ; Wang, LF (Wang, Lin-Fa)[2,3] ; Baker, ML (Baker, Michelle L.)(2] ; Shi, ZL (Shi, Zhengli) Deep RNA Sequencing Reveals Complex Transcriptional Landscape of a Bat Adenovirus JOURNAL OF VIROLOGY Volume: 87 Issue: 1 Pages: 503-511, 2013, WOS

2. [1.1] Castrignano, S.B., Nagasse-Sugahara, T.K., Kisielius, J.J., Ueda-Ito, M., Brandão, P.E., Curti, S.P. Two novel circo-like viruses detected in human feces: Complete genome sequencing and electron microscopy analysis *Virus Research* 178 (2) , pp. 364-373, 2013, SCOPUS

ADCA141 KLEMPA, Boris - STANKO, Michal - LABUDA, Milan - ULRICH, R. - MEISEL, H. - KRÜGER, D.H. Central European Dobrava Hantavirus isolate from Striped Field Mouse, *Apodemus agrarius*. In *Journal of Clinical Microbiology*, 2005, vol. 43, p. 2756-2763. (3.439 - IF2004). (2005 - Current Contents). ISSN 0095-1137.

Ohlasy:

1. [1.1] LAM, Tommy Tsan-Yuk - LIU, Wei - BOWDEN, Thomas A. - CUI, Ning - ZHUANG, Lu - LIU, Kun - ZHANG, Yao-Yun - CAO, Wu-Chun - PYBUS, Oliver G. Evolutionary and molecular analysis of the emergent severe fever with thrombocytopenia syndrome virus. In *EPIDEMICS*. ISSN 1755-4365, MAR 2013, vol. 5, no. 1, SI, p. 1-10., WOS

2. [1.1] MA, Ying - WANG, Jiuping - YUAN, Bin - WANG, Meiliang - ZHANG, Yun - XU, Zhuwei - ZHANG, Chunmei - ZHANG, Yusi - LIU, Bei - YI, Jing - YANG, Kun - YANG, Angang - ZHUANG, Ran - JIN, Boquan. HLA-A2 and B35 Restricted Hantaan Virus Nucleoprotein CD8(+) T-Cell Epitope-Specific Immune Response Correlates with Milder Disease in Hemorrhagic Fever with Renal Syndrome. In *PLOS NEGLECTED TROPICAL DISEASES*. ISSN 1935-2735, FEB 2013, vol. 7, no. 2., WOS

3. [1.2] WATSON Dionysios Christos, SARGIANOU Maria, PAPA Anna, CHRA Paraskevi, STARAKIS Ioannis, PANOS George (2013) Epidemiology of Hantavirus infections in humans: A comprehensive, global overview. CRITICAL REVIEWS IN MICROBIOLOGY DOI:10.3109/1040841X.2013.783555 PMID:23607444, SCOPUS
4. [1.1] AVŠIČ-ŽUPANC Tatjana, SAKSIDA Ana, KORVA Miša (2013) Hantavirus Infections. CLINICAL MICROBIOLOGY AND INFECTION. DOI: 10.1111/1469-0691.12291 <http://onlinelibrary.wiley.com/doi/10.1111/1469-0691.12291/pdf>, WOS

ADCA142 KLEMPA, Boris - AVŠIČ-ŽUPANC, T. - CLEMENT, J. - DZAGUROVA, T.K. - HENTTONEN, H. - HEYMAN, P. - JAKAB, I. - KRÜGER, D.H. - MAES, P. - PAPA, A. - TKACHENKO, E.A. - ULRICH, R.G. - VAPALAHTI, O. - VAHERI, A. Complex evolution and epidemiology of Dobrava - Belgrade hantavirus : definition of genotypes and their characteristics. In *Archives of Virology*, 2013, vol. 158, no. 3, p. 521 - 529. (2.030 - IF2012). (2013 - Current Contents). ISSN 0304-8608.

Ohlasy:

1. [1.1] Mace, G (Mace, G.)[1] ; Feyeux, C (Feyeux, C.)[1] ; Mollard, N (Mollard, N.)[2] ; Chantegret, C (Chantegret, C.)[3] ; Audia, S (Audia, S.)[4] ; Rebibou, JM (Rebibou, J. M.)[5] ; Spagnolo, G (Spagnolo, G.)[6] ; Bour, JB (Bour, J. B.)[7] ; Denoyel, GA (Denoyel, G. A.)[8] ; Sagot, P (Sagot, P.)[1] ; Reynes, JM (Reynes, J. M.)[2] Severe Seoul hantavirus infection in a pregnant woman, France, October 2012 EUROSURVEILLANCE Volume: 18 Issue: 17 Pages: 14-17 Article Number: 20464 Published: APR 25 2013, WOS

ADCA143 KLEMPA, Boris - SCHMIDT, Heiko A. - ULRICH, R. - KALUZ, Štefan - LABUDA, Milan - MEISEL, H. - HJELLE, Brian - KRÜGER, D.H. Genetic Interaction between distinct Dobrava Hantavirus subtypes in Apodemus agrarius and A. flavicollis in Nature. In *Journal of Virology*. - Washington : American Society for Microbiology, 2003, vol. 77, no.1, p. 804-809. (5.622 - IF2002). (2003 - Current Contents). ISSN 0022-538X.

Ohlasy:

1. [1.2] Németh, V., Oldal, M., Madai, M., Horváth, G., Kemenesi, G., Dallos, B., Bányai, K., Jakab, F. Molecular characterization of Dobrava and Kurkino genotypes of Dobrava-Belgrade hantavirus detected in Hungary and Northern Croatia Virus Genes 47 (3) , pp. 546-549, 2013, SCOPUS
2. [1.2] Chassovnikarova, T.G.a , Atanassov, N.I.a, Christova, I.S.b, Dimitrov, H.A.c, Mitkovska, V.I.c, Trifonova, I.P.b, Gladnishka, T.K.b, Kalvatchev, N.Z.b, Mohareb, E. Hantavirus infections in host populations of yellow-necked and field mice (Rodentia: Muridae) in South Bulgaria Acta Zoologica Bulgarica Volume 65, Issue 3, 2013, Pages 397-402, SCOPUS

ADCA144 KLEMPA, Boris - ULRICH, R. - MEISEL, H. - KRÜGER, D.H. - SCHMIDT, H.A. - KALUZ, Štefan - LABUDA, Milan - HJELLE, Brian. Genetic Interaction between Dobrava and Saaremaa Hantaviruses : Now or Millions of Years Ago? In *Journal of Virology*, 2003, vol. 77, p. 7157 - 7158. (5.622 - IF2002). (2003 - Current Contents). ISSN 0022-538X.

Ohlasy:

1. [1.2] Németh, V., Oldal, M., Madai, M., Horváth, G., Kemenesi, G., Dallos, B., Bányai, K., Jakab, F. Molecular characterization of Dobrava and Kurkino genotypes of Dobrava-Belgrade hantavirus detected in Hungary and Northern Croatia Virus Genes 47 (3) , pp. 546-549, 2013, SCOPUS

ADCA145 KLEMPA, Boris. Hantaviruses and climate change. In *Clinical Microbiology and Infection*, 2009, vol. 15, no. 6, p. 518 - 523. (3.554 - IF2008). ISSN 1198-743X.

Ohlasy:

1. [1.1] Han, SS (Han, Seung Seok)[1] ; Kim, S (Kim, Sunhee)[2] ; Choi, Y (Choi, Yunhee)[2] ; Kim, S (Kim, Suhnggwon)[1,3] ; Kim, YS (Kim, Yon Su)[1,3 Air pollution and hemorrhagic fever with renal syndrome in South Korea: an ecological correlation study BMC PUBLIC HEALTH Volume: 13 Article Number: 347 DOI: 10.1186/1471-2458-13-347 Published: APR 15 2013, WOS
2. [1.2] Lalwani, P.af, Raftery, M.J.a, Kobak, L.a, Rang, A.a, Giese, T.b, Matthaiei, M.cg, van den Elsen, P.J.de, Wolff, T.c, Krüger, D.H.a, Schönrich, G. Hantaviral mechanisms driving HLA class I antigen presentation require both RIG-I and TRIF European Journal of Immunology Volume 43, Issue 10, October 2013, Pages 2566-2576, SCOPUS

3. [3] Li, CP (Li, Chang-Ping); Cui, Z (Cui, Zhuang); Li, SL (Li, Shen-Long); Magalhaes, RJS (Magalhaes, Ricardo J. Soares); Wang, BL (Wang, Bao-Long); Zhang, C (Zhang, Cui)[5]; Sun, HL (Sun, Hai-Long); Li, CY (Li, Cheng-Yi); Huang, LY (Huang, Liu-Yu); Ma, J (Ma, Jun) Association between Hemorrhagic Fever with Renal Syndrome Epidemic and Climate Factors in Heilongjiang Province, China AMERICAN JOURNAL OF TROPICAL MEDICINE AND HYGIENE Volume: 89 Issue: 5 Pages: 1006-1012, 2013, WOS
4. [1.1] Korpela, K (Korpela, Katri)[1]; Delgado, M (Delgado, Maria)[2]; Henttonen, H (Henttonen, Heikki)[3]; Korpimäki, E (Korpimäki, Erkki)[4]; Koskela, E (Koskela, Esa)[1]; Ovaskainen, O (Ovaskainen, Otso)[2]; Pietiäinen, H (Pietiäinen, Hannu)[5]; Sundell, J (Sundell, Janne)[6]; Yoccoz, NG (Yoccoz, Nigel G.)(7); Huitu, O (Huitu, Otso)[8] Nonlinear effects of climate on boreal rodent dynamics: mild winters do not negate high-amplitude cycles GLOBAL CHANGE BIOLOGY Volume: 19 Issue: 3 Pages: 697-710 DOI: 10.1111/gcb.12099 Published: MAR 2013, WOS
5. [1.1] Reusken, Chantal; Heyman, Paul Factors driving hantavirus emergence in Europe CURRENT OPINION IN VIROLOGY Volume: 3 Issue: 1 Pages: 92-99 DOI: 10.1016/j.coviro.2013.01.002 Published: FEB 2013, WOS
6. [1.1] Gozalan, A (Gozalan, Aysegül)[1]; Kalaycıoğlu, H (Kalaycıoğlu, Handan)[1]; Uyar, Y (Uyar, Yavuz)[1]; Sevindi, DF (Sevindi, Demet Furkan)[1]; Turkyilmaz, B (Turkyilmaz, Bedia)[2]; Cakir, V (Cakir, Vedat)[3]; Cindemir, C (Cindemir, Cengiz)[3]; Unal, B (Unal, Belgin)[4]; Yagci-Caglayik, D (Yagci-Caglayik, Dilek)[1]; Korukluoglu, G (Korukluoglu, Gulay)[1]; Ertek, M (Ertek, Mustafa)[1]; Heyman, P (Heyman, Paul)[5]; Lundkvist, A (Lundkvist, Ake)[6] Human Puumala and Dobrava Hantavirus Infections in the Black Sea Region of Turkey: A Cross-Sectional Study VECTOR-BORNE AND ZOONOTIC DISEASES Volume: 13 Issue: 2 Pages: 111-118 DOI: 10.1089/vbz.2011.0939 Published: FEB 2013, WOS
7. [1.1] Wojcik-Fatla, A (Wojcik-Fatla, Angelina)[1]; Zajac, V (Zajac, Violetta)[1]; Knap, JP (Knap, Jozef P.)(2); Sroka, J (Sroka, Jacek)[1,3]; Cisak, E (Cisak, Ewa)[1]; Sawczyn, A (Sawczyn, Anna)[1]; Dutkiewicz, J (Dutkiewicz, Jacek)[1] A small-scale survey of hantavirus in mammals from eastern Poland ANNALS OF AGRICULTURAL AND ENVIRONMENTAL MEDICINE Volume: 20 Issue: 2 Pages: 283-286 Published: 2013, WOS
8. [1.2] Rodríguez-Morales, A.J. Climate change, climate variability and Brucellosis Recent Patents on Anti-Infective Drug Discovery 8 (1) , pp. 4-12, 2013, SCOPUS

ADCA146 KLEMPA, Boris - FICHET-CALVET, E. - LECOMPTE, E. - AUSTE, B. - ANISKIN, V. - MEISEL, H. - DENYS, C. - KOIVOGUI, L. - TER MEULEN, J. - KRÜGER, D.H. Hantavirus in African Wood Mouse, Guinea. In *Emerging Infectious Diseases*, 2006, vol. 12, no. 5, p. 838-840. (5.366 - IF2005). (2006 - Current Contents). ISSN 1080-6040.

Ohlasy:

1. [1.1] Mace, G (Mace, G.)(1); Feyeux, C (Feyeux, C.)(1); Mollard, N (Mollard, N.)(2); Chantegret, C (Chantegret, C.)(3); Audia, S (Audia, S.)(4); Rebibou, JM (Rebibou, J. M.)(5); Spagnolo, G (Spagnolo, G.)(6); Bour, JB (Bour, J. B.)(7); Denoyel, GA (Denoyel, G. A.)(8); Sagot, P (Sagot, P.)(1); Reynes, JM (Reynes, J. M.)(2) Severe Seoul hantavirus infection in a pregnant woman, France, October 2012 EUROSURVEILLANCE Volume: 18 Issue: 17 Pages: 14-17 Article Number: 20464 Published: APR 25 2013, WOS
2. [1.1] Mohamed, N (Mohamed, Nahla)[1]; Nilsson, E (Nilsson, Elin)[2]; Johansson, P (Johansson, Patrik)[3]; Klingstrom, J (Klingstrom, Jonas)[5,4]; Evander, M (Evander, Magnus)[1]; Ahlm, C (Ahlm, Clas)[1]; Bucht, G (Bucht, Goran)[2] Development and evaluation of a broad reacting SYBR-green based quantitative real-time PCR for the detection of different hantaviruses JOURNAL OF CLINICAL VIROLOGY Volume: 56 Issue: 4 Pages: 280-285 DOI: 10.1016/j.jcv.2012.12.001 Published: APR 2013, WOS
3. [1.1] Guo, WP (Guo, Wen-Ping)[1]; Lin, XD (Lin, Xian-Dan)[2]; Wang, W (Wang, Wen)[1]; Tian, JH (Tian, Jun-Hua)[3]; Cong, ML (Cong, Mei-Li)[1]; Zhang, HL (Zhang, Hai-Lin)[4]; Wang, MR (Wang, Miao-Ruo)[5]; Zhou, RH (Zhou, Run-Hong)[1]; Wang, JB (Wang, Jian-Bo)[1]; Li, MH (Li, Ming-Hui)[1]; Xu, J (Xu, Jianguo)[1]; Holmes, EC (Holmes, Edward C.)(6,7,8); Zhang, YZ (Zhang, Yong-Zhen)[1] Phylogeny and Origins of Hantaviruses Harbored by Bats, Insectivores, and Rodents

PLOS PATHOGENS Volume: 9 Issue: 2 Article Number: e1003159 DOI:

10.1371/journal.ppat.1003159 Published: FEB 2013, WOS

4. [1.1] Krautkraemer, Ellen; Zeier, Martin; Plyusnin, Alexander Hantavirus infection: an emerging infectious disease causing acute renal failure KIDNEY INTERNATIONAL Volume: 83 Issue: 1 Pages: 23-27 DOI: 10.1038/ki.2012.360 Published: JAN 2013, WOS

5. [1.2] Korva, M.a , Knap, N.a , Rus, K.R.a , Fajs, L.a , Grubelnik, G.a , Bremec, M.a , Knapič, T.b , Trilar, T.b , Avšič Županc, T. Phylogeographic diversity of pathogenic and non-pathogenic hantaviruses in Slovenia Viruses Volume 5, Issue 12, 10 December 2013, Pages 3071-3087, SCOPUS

6. [1.1] Gu, S.H., Nicolas, V., Lalis, A., Sathirapongsasuti, N., Yanagihara, R. Complete genome sequence and molecular phylogeny of a newfound hantavirus harbored by the Doucet's musk shrew (Crociodura douceti) in Guinea Infection, Genetics and Evolution 20 , pp. 118-123, 2013, WOS

7. [1.2] Yao, L.a, Kang, Z.b, Liu, Y.c, Song, F.d, Zhang, X.a, Cao, X.a, Zhang, Y.c, Yang, Y.a, Sun, X.a, Wang, J.a, Hu, K.a, Liu, L.e, Chen, W.e, Shao, L.c, Xu, B.a , Wang, B. Seoul virus in rats (Rattus norvegicus), Hyesan, North Korea, 2009-2011 Emerging Infectious Diseases Volume 19, Issue 11, November 2013, Pages 1895-1896, SCOPUS

8. [1.2] Zelená, H., Mrázek, J., Kuhn, T. Tula hantavirus infection in immunocompromised host, Czech Republic Emerging Infectious Diseases 19 (11) , pp. 1873-1876, 2013, SCOPUS

9. [1.1] Resman, K., Korva, M., Fajs, L., Zidarič, T., Trilar, T., Županc, T.A. Molecular evidence and high genetic diversity of shrew-borne Seewis virus in Slovenia Virus Research 177 (1) , pp. 113-117, 2013, WOS

ADCA147 KLEMPA, Boris - TKACHENKO, E.A. - DZAGUROVA, Tamara K. - YUNICHEVA, Yulia V. - MOROZOV, Vyacheslav G. - OKULOVA, Natalia M. - SLYUSAREVA, Galina P. - SMIROV, A. - KRUGER, D.H. Hemorrhagic fever with renal syndrome caused by 2 lineages of Dobrava Hantavirus , Russia. In *Emerging Infectious Diseases*, 200, vol., no., p. ISSN 1080-6040.

Ohlasy:

1. [1.1] Kyriakidis, Ioannis; Papa, Anna Serum TNF-alpha, sTNFR1, IL-6, IL-8 and IL-10 levels in hemorrhagic fever with renal syndrome VIRUS RESEARCH Volume: 175 Issue: 1 Pages: 91-94 DOI: 10.1016/j.virusres.2013.03.020 Published: JUL 2013, WOS

2. [1.1] Gozalan, A (Gozalan, Aysegul)[1] ; Kalaycioglu, H (Kalaycioglu, Handan)[1] ; Uyar, Y (Uyar, Yavuz)[1] ; Sevindi, DF (Sevindi, Demet Furkan)[1] ; Turkyilmaz, B (Turkyilmaz, Bedia)[2] ; Cakir, V (Cakir, Vedat)[3] ; Cindemir, C (Cindemir, Cengiz)[3] ; Unal, B (Unal, Belgin)[4] ; Yagci-Caglayik, D (Yagci-Caglayik, Dilek)[1] ; Korukluoglu, G (Korukluoglu, Gulay)[1] ; Ertek, M (Ertek, Mustafa)[1] ; Heyman, P (Heyman, Paul)[5] ; Lundkvist, A (Lundkvist, Ake) Human Puumala and Dobrava Hantavirus Infections in the Black Sea Region of Turkey: A Cross-Sectional Study VECTOR-BORNE AND ZOONOTIC DISEASES Volume: 13 Issue: 2 Pages: 111-118 DOI: 10.1089/vbz.2011.0939 Published: FEB 2013, WOS

3. [1.1] Vaheri, A (Vaheri, Antti)[1,2,3] ; Henttonen, H (Henttonen, Heikki)[4] ; Voutilainen, L (Voutilainen, Liina)[1,2,4] ; Mustonen, J (Mustonen, Jukka)[5,6] ; Sironen, T (Sironen, Tarja)[1,2] ; Vapalahti, O (Vapalahti, Olli) Hantavirus infections in Europe and their impact on public health REVIEWS IN MEDICAL VIROLOGY Volume: 23 Issue: 1 Pages: 35-49 DOI: 10.1002/rmv.1722 Published: JAN 2013, WOS

ADCA148 KLEMPA, Boris - FICHET-CALVET, E. - LECOMPTE, E. - AUSTE, B. - ANISKIN, V. - MEISEL, H. - BARRIERE, P. - MEULEN, J. ter - KRÜGER, D.H. Novel Hantavirus Sequences in Shrew, Quinea. In *Emerging Infectious Diseases*, 2007, vol. 13, no. 3, p. 520-522. (5.094 - IF2006). (2007 - Current Contents). ISSN 1080-6040.

Ohlasy:

1. [1.1] Reusken, Chantal; Heyman, Paul Factors driving hantavirus emergence in Europe CURRENT OPINION IN VIROLOGY Volume: 3 Issue: 1 Pages: 92-99 DOI: 10.1016/j.coviro.2013.01.002 Published: FEB 2013, WOS

2. [1.1] Gu, S.H., Nicolas, V., Lalis, A., Sathirapongsasuti, N., Yanagihara, R. Complete genome sequence and molecular phylogeny of a newfound hantavirus harbored by the Doucet's musk shrew (Crociodura douceti) in Guinea Infection, Genetics and Evolution 20 , pp. 118-123, 2013, WOS

3. [1.2] Wang, W.a, Wang, M.-R.b, Lin, X.-D.c, Guo, W.-P.a, Li, M.-H.a, Mei, S.-H.b, Li, Z.-M.d, Cong, M.-L.a, Jiang, R.-L.d, Zhou, R.-H.a, Holmes, E.C.e, Plyusnin, A.af, Zhang, Y.-Z. Ongoing Spillover of Hantaan and Gou Hantaviruses from Rodents Is Associated with Hemorrhagic Fever with Renal Syndrome (HFRS) in China PLoS Neglected Tropical Diseases Volume 7, Issue 10, October 2013, Article number e2484, SCOPUS
4. [1.1] Resman, K., Korva, M., Fajs, L., Zidarič, T., Trilar, T., Županc, T.A. Molecular evidence and high genetic diversity of shrew-borne Seewis virus in Slovenia Virus Research 177 (1) , pp. 113-117, 2013, WOS
5. [1.1] Nakamura, I.ab , Hang'ombe, B.M.b, Sawa, H.ab, Kobayashi, S.a, Orba, Y.a, Ishii, A.ab, Thomas, Y.ab, Isozumi, R.c, Yoshimatsu, K.c, Mweene, A.S.b, Takada, A.ab, Sugimoto, C.ab, Arikawa, J. Cross-reactivity of secondary antibodies against African rodents and application for sero-surveillance Journal of Veterinary Medical Science Volume 75, Issue 6, 2013, Pages 819-825, WOS
6. [1.1] Arai, S.a , Nguyen, S.T.b, Boldgiv, B.c, Fukui, D.d, Araki, K.a, Dang, C.N.b, Ohdachi, S.D.e, Nguyen, N.X.b, Pham, T.D.b, Boldbaatar, B.f, Satoh, H.a, Yoshikawa, Y.g, Morikawa, S.a, Tanaka-Taya, K.a, Yanagihara, R.h, Oishi, K. Novel bat-borne hantavirus, Vietnam Emerging Infectious Diseases Volume 19, Issue 7, July 2013, Pages 1159-1161, WOS

ADCA149 KLEMPA, Boris - WITKOWSKI, P.T. - POPUGAEVA, E. - AUSTE, B. - KOIVOGUI, L. - FICHET-CALVET, E. - STRECKER, T. - TER MEULEN, J. - KRUGER, D.H. Sangassou Virus, the First Hantavirus Isolate from Africa, Displays Genetic and Functional Properties Distinct from Those of Other Murinae-Associated Hantaviruses. In *Journal of Virology*, 2012, vol. 86, no. 7, p. 3819 - 3827. (5.402 - IF2011). (2012 - Current Contents). ISSN 0022-538X.

Ohlasy:

1. [1.1] Goeijenbier, M (Goeijenbier, Marco)[1] ; Wagenaar, J (Wagenaar, Jiri)[1,2,3] ; Goris, M (Goris, Marga)[3] ; Martina, B (Martina, Byron)[1] ; Henttonen, H (Henttonen, Heikki)[4] ; Vaheri, A (Vaheri, Antti)[5] ; Reusken, C (Reusken, Chantal)[6] ; Hartskeerl, R (Hartskeerl, Rudy)[3] ; Osterhaus, A (Osterhaus, Albert)[1] ; Van Gorp, E (Van Gorp, Eric)[1] Rodent-borne hemorrhagic fevers: under-recognized, widely spread and preventable - epidemiology, diagnostics and treatment CRITICAL REVIEWS IN MICROBIOLOGY Volume: 39 Issue: 1 Pages: 26-42 DOI: 10.3109/1040841X.2012.686481 Published: FEB 2013, WOS

ADCA150 KLEMPA, Boris - KOIVOGUI, L. - KOULEMOU, K. - AUSTE, B. - KRUGER, D.H. - TER MEULEN, J. Serological evidence of human hantavirus infections in Guinea, West Africa. In *Journal of Infectious Diseases*, 2010, vol. 201, no. 7, p. 1031-1034. (5.865 - IF2009). (2010 - Current Contents). ISSN 0022-1899.

Ohlasy:

1. [1.1] Goeijenbier, M (Goeijenbier, Marco)[1] ; Wagenaar, J (Wagenaar, Jiri)[1,2,3] ; Goris, M (Goris, Marga)[3] ; Martina, B (Martina, Byron)[1] ; Henttonen, H (Henttonen, Heikki)[4] ; Vaheri, A (Vaheri, Antti)[5] ; Reusken, C (Reusken, Chantal)[6] ; Hartskeerl, R (Hartskeerl, Rudy)[3] ; Osterhaus, A (Osterhaus, Albert)[1] ; Van Gorp, E (Van Gorp, Eric)[1] Rodent-borne hemorrhagic fevers: under-recognized, widely spread and preventable - epidemiology, diagnostics and treatment CRITICAL REVIEWS IN MICROBIOLOGY Volume: 39 Issue: 1 Pages: 26-42 DOI: 10.3109/1040841X.2012.686481 Published: FEB 2013, WOS
2. [1.1] Woolhouse, Mark E. J.; Adair, Kyle The diversity of human RNA viruses : FUTURE VIROLOGY Volume: 8 Issue: 2 Pages: 159-171 DOI: 10.2217/FVL.12.129 Published: FEB 2013, WOS
3. [1.1] Krautkraemer, Ellen; Zeier, Martin; Plyusnin, Alexander Hantavirus infection: an emerging infectious disease causing acute renal failure KIDNEY INTERNATIONAL Volume: 83 Issue: 1 Pages: 23-27 DOI: 10.1038/ki.2012.360 Published: JAN 2013, WOS

ADCA151 KLUBICOVÁ, Katarína - DANCHENKO, Maksym - ŠKULTÉTY, Ľudovít - MIERNYK, J.A. - RASHYDOV, N.M. - BEREZHNA, V.V. - PREŤOVÁ, Anna - HAJDUCH, Martin. Proteomics analysis of flax grown in Chernobyl area suggests limited effect of contaminated environment on seed proteome. In *Environmental Science and Technology*, 2010, vol. 44, no. 18, p. 6940-6946. (4.630 - IF2009). (2010 - Current Contents). ISSN 0013-936X.

Ohlasy:

1. [1.1] Moller, Anders P.; Mousseau, Timothy A. The effects of natural variation in background radioactivity on humans, animals and other organisms *BIOLOGICAL REVIEWS* Volume: 88 Issue: 1 Pages: 226-254 DOI: 10.1111/j.1469-185X.2012.00249.x Published: FEB 2013, WOS
2. [1.1] Day, A (Day, Arnaud)[1,2,3] ; Fenart, S (Fenart, Stephane)[1,2,3] ; Neutelings, G (Neutelings, Godfrey)[1,2,3] ; Hawkins, S (Hawkins, Simon)[1,2,3] ; Rolando, C (Rolando, Christian)[1,2,4] ; Tokarski, C (Tokarski, Caroline)[1,2,4] Identification of cell wall proteins in the flax (*Linum usitatissimum*) stem *PROTEOMICS* Volume: 13 Issue: 5 Pages: 812-825 DOI: 10.1002/pmic.201200257 Published: MAR 2013, WOS
3. [1.2] Zhang, X., Liu, X., Chai, W., Wei, J., Wang, Q., Li, B., Li, H. The use of proteomic analysis for exploring the phytoremediation mechanism of *Scirpus triquetus* to pyrene *Journal of Hazardous Materials* 260 , pp. 1001-1007 , 2013, SCOPUS

ADCA152 KLUBICOVÁ, Katarína - DACHNENKO, M. - ŠKULTÉTY, Ľudovít - BEREZHNA, V.V. - UVÁČKOVÁ, Ľubica - RASHYDOV, N.M. - HAJDUCH, Martin. Soybeans grown in the Chernobyl area produce fertile seeds that have increased heavy metal resistance and modified. In *PLoS ONE*, 2012, vol. 10, p.e 48169. (4.092 - IF2011). (2012 - MEDLINE). ISSN 1932-6203.

Ohlasy:

1. [1.2] Natarajan, S., Luthria, D., Bae, H., Lakshman, D., Mitra, A. Transgenic soybeans and soybean protein analysis: An overview *Journal of Agricultural and Food Chemistry* 61 (48) , pp. 11736-11743, 2013, SCOPUS
2. [1.2] NATARAJAN, Savithiry S. - LUTHRIA, Devanand L. Current update in methodologies for extraction and analysis of proteins and isoflavones. In *Legumes: Types, Nutritional Composition and Health Benefits*, 2013-12-01, pp. 295-303., SCOPUS

ADCA153 KNÍŽETOVÁ, P. - EHRMANN, Jacques - HLOBILKOVA, A. - VANČOVÁ, Iveta - KALITA, O. - KOLAR, Z. - BARTEK, J. Autocrine regulation of glioblastoma cell cycle progression, viability and radioresistance through the VEGF-VEGFR2 (KDR) interplay. In *Cell Cycle*, 2008, vol. 7, no. 16, p. 2553-2561. (3.314 - IF2007). (2008 - Current Contents). ISSN 1538-4101.

Ohlasy:

1. [1.1] Shi, LL (Shi, Liangliang)[1] ; Zhang, S (Zhang, Sheng)[1] ; Wu, HG (Wu, Hongge)[1] ; Zhang, LL (Zhang, Lilin)[1] ; Dai, XF (Dai, Xiaofang)[1] ; Hu, JL (Hu, Jianli)[1] ; Xue, J (Xue, Jun)[1] ; Liu, T (Liu, Tao)[1] ; Liang, YC (Liang, Yichen)[1] ; Wu, G (Wu, Gang) MiR-200c Increases the Radiosensitivity of Non-Small-Cell Lung Cancer Cell Line A549 by Targeting VEGF-VEGFR2 Pathway *PLOS ONE* Volume: 8 Issue: 10 Article Number: e78344, WOS
2. [1.1] He, MY (He, Mingyuan)[1] ; Dong, C (Dong, Chen)[1] ; Ren, RP (Ren, Ruiping)[1] ; Yuan, DX (Yuan, Dexiao)[1] ; Xie, YX (Xie, Yuexia)[1] ; Pan, Y (Pan, Yan)[1] ; Shao, CL (Shao, Chunlin)[1] Radiation Enhances the Invasiveness of Irradiated and Nonirradiated Bystander Hepatoma Cells Through a VEGF-MMP2 Pathway Initiated by p53 *RADIATION RESEARCH* Volume: 180 Issue: 4 Pages: 389-397, 2013, WOS
3. [1.1] Goel, Hira Lal; Mercurio, Arthur M. VEGF targets the tumour cell *NATURE REVIEWS CANCER* Volume: 13 Issue: 12 Pages: 871-882 Published: DEC 2013, WOS
4. [1.1] Kamran, Mohammad Zahid; Gude, Rajiv P. Pentoxifylline inhibits melanoma tumor growth and angiogenesis by targeting STAT3 signaling pathway *BIOMEDICINE & PHARMACOTHERAPY* Volume: 67 Issue: 5 Pages: 399-405 Published: JUN 2013, WOS
5. [1.1] Klettner, A (Klettner, Alexa)[1] ; Westhues, D (Westhues, Daniel)[1] ; Lassen, J (Lassen, Jens)[1] ; Bartsch, S (Bartsch, Sofia)[1,2] ; Roeder, J (Roeder, Johann)[1] Regulation of constitutive vascular endothelial growth factor secretion in retinal pigment epithelium/choroid organ cultures: p38, nuclear factor kappaB, and the vascular endothelial growth factor receptor-2/phosphatidylinositol 3 kinase pathway *MOLECULAR VISION* Volume: 19 Pages: 281-291, 2013, WOS
6. [1.1] Gorantla, B (Gorantla, Bharathi)[1] ; Bhoopathi, P (Bhoopathi, Praveen)[1] ; Chetty, C (Chetty, Chandramu)[1] ; Gogineni, VR (Gogineni, Venkateswara Rao)[1] ; Sailaja, GS (Sailaja, G. S. S.)[1] ; Gondi, CS (Gondi, Christopher S. S.)[1] ; Rao, JS (Rao, Jasti S. S.)[1,2] Notch signaling regulates

tumor-induced angiogenesis in SPARC-overexpressed neuroblastoma *ANGIOGENESIS* Volume: 16 Issue: 1 Pages: 85-100, 2013, WOS
7. [1.1] Liu, HY (Liu Haiyan)[1,2] ; Xu, YY (Xu Yuanyuan)[1] ; Chen, Y (Chen Yun)[1,3] ; Jiang, X (Jiang Xin)[1] ; Yu, JH (Yu Jiahua)[1] ; Yang, L (Yang Lei)[1] ; Gu, C (Gu Cheng)[1] ; Liu, FJ (Liu Fenju)[1] Semaphorin3B modulates radiosensitivity of human glioma U-87MG cells *NUCLEAR SCIENCE AND TECHNIQUES* Volume: 24 Issue: 2, 2013, WOS

ADCA154 KNÍŽETOVÁ, P. - VANČOVÁ, Iveta - KOCÁKOVÁ, Pavlína - SLOVÁK, Mirko - PROOST, P. - KOPÁČEK, Juraj. New member of the protein disulfide isomerase (PDI) family identified in *Amblyomma variegatum* tick. In *Insect Biochemistry and Molecular Biology*, 2006, vol. 36, no. 12, p. 943 - 953. (4.018 - IF2005). (2006 - Current Contents). ISSN 0965-1748.

Ohlasy:

1. [1.1] Afshar, K (Afshar, Khashayar)[1] ; Dube, FF (Dube, Fitsum Fikru)[1] ; Najafabadi, HS (Najafabadi, Hamed S.)(2] ; Bonneil, E (Bonneil, Eric)[3] ; Thibault, P (Thibault, Pierre)[3] ; Salavati, R (Salavati, Reza)[2] ; Bede, JC (Bede, Jacqueline C.)(1] Insights into the insect salivary gland proteome: Diet-associated changes in caterpillar labial salivary proteins *JOURNAL OF INSECT PHYSIOLOGY* Volume: 59 Issue: 3 Pages: 351-366, 2013, WOS

ADCA155 KNOPE, C.W. - ZAVIDIJ, O. - REŽUCHOVÁ, Ingeborg - RAJČÁNI, Július. Evaluation of the T-REx transcription switch for conditional expression and regulation of HSV-1 vectors. In *Virus Genes*, 2008, vol. 36, no. 1, p. 55 - 66. (1.362 - IF2007). (2008 - Current Contents). ISSN 0920-8569.

Ohlasy:

1. [1.1] Lim, F (Lim, Filip)[1] ; Khalique, H (Khalique, Hena)[1] ; Ventosa, M (Ventosa, Maria)[1] ; Baldo, A Biosafety of Gene Therapy Vectors Derived From Herpes Simplex Virus Type 1 *CURRENT GENE THERAPY* Volume: 13 Issue: 6 Pages: 478-491, 2013, WOS

ADCA156 KOCIANOVÁ, Elena - KOŽUCH, Otto - BAKOSS, P. - ŘEHÁČEK, Josef. The prevalence of small terrestrial mammals infected with tick/borne encephalitis virus and leptospirae in the foothills of the southern Bavarian forest. In *Applied Parasitology*, 1993, vol. 34, no. 4, p. 283 - 290. ISSN 0943-0938.

Ohlasy:

1. [1.1] Wojcik-Fatla, A (Wojcik-Fatla, Angelina)[1] ; Zajac, V (Zajac, Violetta)[1] ; Sroka, J (Sroka, Jacek)[1,2] ; Piskorski, M (Piskorski, Michal)[3] ; Cisak, E (Cisak, Ewa)[1] ; Sawczyn, A (Sawczyn, Anna)[1] ; Dutkiewicz, J (Dutkiewicz, Jacek)[1] A small scale survey of *Leptospira* in mammals from eastern Poland *ANNALS OF AGRICULTURAL AND ENVIRONMENTAL MEDICINE* Volume: 20 Issue: 4 Pages: 705-707, 2013, WOS

ADCA157 KOČI, Juraj - DERDÁKOVÁ, Markéta - PETERKOVÁ, Kamila - KAZIMÍROVÁ, Mária - SELYEMOVÁ, Diana - LABUDA, Milan. *Borrelia afzelii* gene expression in *Ixodes ricinus* (Acari: Ixodidae) ticks. In *Vector-Borne and Zoonotic Diseases*, 2006, vol. 6, no. 3, p. 296-304. (2.373 - IF2005). (2006 - Current Contents).

Ohlasy:

1. [3] TOKARSKA-RODAK Małgorzata, KOZIOŁ-MONTEWKA Maria (2012) The Serology Diagnostic Schemes in *Borrelia burgdorferi* Sensu Lato Infections – Significance in Clinical Practice p. 79-94 In: Ali KARAMI (ed) *Lyme Disease*, 160 pp. ISBN 978-953-51-0057-7 __, Google Scholar
2. [1.1] HODZIC, E., FENG, S., BARTHOLD, S.W. (2013) Assessment of transcriptional activity of *Borrelia burgdorferi* and host cytokine genes during early and late infection in a mouse model. *VECTOR-BORNE AND ZOONOTIC DISEASES* Volume 13, Issue 10, Pages 694-711 DOI: 10.1089/vbz.2012.1189, WOS
3. [1.1] FRANKE Jan, HILDEBRANDT Anke, DORN Wolfram (2013) Exploring gaps in our knowledge on Lyme borreliosis spirochaetes – Updates on complex heterogeneity, ecology, and pathogenicity. *TICKS AND TICK-BORNE DISEASES* Volume 4, Issues 1–2, February 2013, Pages 11–25 DOI:10.1016/j.ttbdis.2012.06.007, WOS

ADCA158 KOČI, Juraj - MOVILA, A. - TARAGĽOVÁ, Veronika - TODERAS, I. - USPENSKAIA, I. - DERDÁKOVÁ, Markéta - LABUDA, Milan. First report of *Anaplasma phagocytophilum* and its co-infections with *Borrelia burgdorferi sensu lato* in *Ixodes ricinus* ticks (Acari: Ixodidae) from Republic of Moldova. In *Experimental and Applied Acarology*, 2007, vol. 41, no. 1-2, p. 147-152. (0.716 - IF2006). (2007 - Current Contents). ISSN 0168-8162.

Ohlasy:

1. [1.1] Coipan, Elena Claudia; Jahfari, Setareh; Fonville, Manoj; Maassen, Catharina B.; van der Giessen, Joke; Takken, Willem; Takumi, Katsuhisa; Sprong, Hein. Spatiotemporal dynamics of emerging pathogens in questing *Ixodes ricinus* FRONTIERS IN CELLULAR AND INFECTION MICROBIOLOGY Volume: 3, Article Number: 36, 2013, WOS
2. [1.1] STUEN Snorre, GRANQUIST Erik G., SILAGHI Cornelia (2013) *Anaplasma phagocytophilum*—a widespread multi-host pathogen with highly adaptive strategies. FRONT CELL INFECT MICROBIOL. 2013; 3: 31. DOI:10.3389/fcimb.2013.00031, WOS

ADCA159 PETERKOVÁ, Kamila - VANČOVÁ, Iveta - HAJNICKÁ, Valéria - SLOVÁK, Mirko - ŠIMO, Ladislav - NUTTALL, Patricia A. Immunomodulatory arsenal of nymphal ticks. In *Medical and Veterinary Entomology*, 2008, vol. 22, no. 2, p. 167 - 171. (1.461 - IF2007). (2008 - Current Contents). ISSN 0269-283X.

Ohlasy:

1. [1.1] Wikel, Stephen Ticks and tick-borne pathogens at the cutaneous interface: host defenses, tick countermeasures, and a suitable environment for pathogen establishment Ticks and tick-borne pathogens at the cutaneous interface: host defenses, tick countermeasures, and a suitable environment for pathogen establishment FRONTIERS IN MICROBIOLOGY Volume: 4 Article Number: 337 Published: NOV 19 2013, WOS
2. [1.1] Deruaz, M (Deruaz, Maud)[1] ; Bonvin, P (Bonvin, Pauline)[1] ; Severin, IC (Severin, India C.)([1] ; Johnson, Z (Johnson, Zoe)[1] ; Krohn, S (Krohn, Sonja)[1] ; Power, CA (Power, Christine A.)([1] ; Proudfoot, AEI (Proudfoot, Amanda E. I.) Evasin-4, a tick-derived chemokine-binding protein with broad selectivity can be modified for use in preclinical disease models FEBS JOURNAL Volume: 280 Issue: 19 Pages: 4876-4887, 2013, WOS
3. [9] Boeuf, A. (2013). Développement d'approches protéomiques pour l'étude des interactions tique/Borrelia/peau: Université de Strasbourg. 2013

ADCA160 KOLLEROVÁ, Edita - NOVÁKOVÁ, Slavomíra - ŠUBR, Zdeno W. - GLASA, Miroslav. Plum pox virus mixed infection detected on apricot in Pakistan. In *Plant Disease*, 2006, vol. 90, p. 1108. (2.387 - IF2005). ISSN 0191-2917.

Ohlasy:

1. [1.1] Scorza, R (Scorza, Ralph)[1] ; Callahan, A (Callahan, Ann)[1] ; Dardick, C (Dardick, Chris)[1] ; Ravelonandro, M (Ravelonandro, Michel)[2] ; Polak, J (Polak, Jaroslav)[3] ; Malinowski, T (Malinowski, Tadeusz)[4] ; Zagrai, I (Zagrai, Ioan)[5] ; Cambra, M (Cambra, Mariano)[6] ; Kamenova, I (Kamenova, Ivanka) Genetic engineering of Plum pox virus resistance: 'HoneySweet' plum—from concept to product PLANT CELL TISSUE AND ORGAN CULTURE Volume: 115 Issue: 1 Pages: 1-12, 2013, WOS
2. [1.1] Vulić, T ; Oparnica, Č ; Djordjević, B ; Kuzmanović, S ; Starović, M ; Ford, RE ; Tošić, M Plum sectorial resistance to Plum pox virus is graft transmissible ACTA PHYTOPATHOLOGICA ET ENTOMOLOGICA HUNGARICA Volume: 48, Issue: 2, pages 219-225, 2013, WOS

ADCA161 KOMÍNEK, P. - GLASA, Miroslav - BRYXIOVÁ, M. Analysis of the molecular variability of Grapevine Leafroll-associated virus 1 reveals the presence of two distinct virus groups and their mixed occurrence in grapevines. In *Virus Genes*. - Norwell : Kluwer Academic Publishers, 2005, vol.31, p. 247-255. (1.250 - IF2004). (2005 - Current Contents). ISSN 0920-8569.

Ohlasy:

1. [1.2] Esteves, F., Teixeira Santos, M., Eiras-Dias, J.E., Fonseca, F. Molecular data mining to improve antibody-based detection of Grapevine leafroll-associated virus 1 (GLRaV-1) Journal of Virological Methods 194 (1-2) , pp. 258-270, 2013, SCOPUS

ADCA162 KONTSEK, Peter - BORECKÝ, Ladislav - NOVÁK, Michal. Are the acid-labile interferon alpha and interferon omega-1 identical. In *Virology*, 1991, vol. 181, no. 1, p. 416 - 418. ISSN 0042-6822.

Ohlasy:

1. [1.2] Liu, H.a, Cheng, Y.-G.b, Pan, H.-C.a , Xu, B.b, Peng, L.b, Yang, H.-T.b, Guo, W.b Preparation and characterization of mono PEGylated recombinant human interferon omega Yaoxue Xuebao Volume 47, Issue 3, 12 March 2012, Pages 393-398, SCOPUS
2. [1.2] Hardy, G.A.D.ac, Sieg, S.bc, Rodriguez, B.bc, Anthony, D.bcd, Asaad, R.bc, Jiang, W.bc, Mudd, J.ab, Schacker, T.e, Funderburg, N.T.b, Pilch-Cooper, H.A.b, Debernardo, R.f, Rabin, R.L.g, Lederman, M.M.abc, Harding, C.V.a Interferon- α Is the Primary Plasma Type-I IFN in HIV-1 Infection and Correlates with Immune Activation and Disease Markers PLoS ONE Volume 8, Issue 2, 20 February 2013, Article number e56527, SCOPUS

ADCA163 KONTSEK, Peter - BORECKÝ, Ladislav - NOVÁK, Michal. Are the acid-labile interferon alpha and interferon omega -1 identical? In *Virology*, 1991, roč. 181, č. 1, s. 416-418. ISSN 0042-6822.

Ohlasy:

1. [1.1] Hardy, GAD (Hardy, Gareth A. D.)(1,2,4) ; Sieg, S (Sieg, Scott)(3,2,4) ; Rodriguez, B (Rodriguez, Benigno)(3,2,4) ; Anthony, D (Anthony, Donald)(3,2,4,5) ; Asaad, R (Asaad, Robert)(3,2,4) ; Jiang, W (Jiang, Wei)(3,2,4) ; Mudd, J (Mudd, Joseph)(1,2,3) ; Schacker, T (Schacker, Timothy)(6) ; Funderburg, NT (Funderburg, Nicholas T.)(3,2) ; Pilch-Cooper, HA (Pilch-Cooper, Heather A.)(3,2) ; Debernardo, R (Debernardo, Robert)(7,2) ; Rabin, RL (Rabin, Ronald L.)(8) ; Lederman, MM (Lederman, Michael M.)(1,2,3,4) ; Harding, CV (Harding, Clifford V. Interferon-alpha Is the Primary Plasma Type-I IFN in HIV-1 Infection and Correlates with Immune Activation and Disease Markers PLOS ONE Volume: 8 Issue: 2, Article Number: e56527, 2013, WOS
2. [1.1] Liu Hong; Cheng Yong-gang; Pan Hong-chun (panhongchun216@126.com) ; Xu Bo; Peng Li; Yang Hong-tao; Guo Wei Preparation and characterization of mono PEGylated recombinant human interferon omega Yaoxue Xuebao Volume:47 Issue:3 Pages:393-398 Published:MAR 2012, WOS

ADCA164 KOPÁČEK, Juraj - BARÁTHOVÁ, Monika - DEQUIEDT, F. - ŠEPELÁKOVÁ, Jana - KETTMANN, R. - PASTOREK, Jaromír - PASTOREKOVÁ, Silvia. MAPK pathway contributes to density - and hypoxia-induced expression of the tumor-associated carbonic anhydrase IX. In *Biochimica et Biophysica Acta - Gene Structure and Expression : Molecular Basis of Disease*. - Amsterdam : Elsevier, 2005, vol. 1729, no. 1, p.41-49. (3.046 - IF2004). (2005 - Current Contents). ISSN 0925-4439.

Ohlasy:

1. [1.1] Gieling, Roben G.; Williams, Kaye J. Carbonic anhydrase IX as a target for metastatic disease BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1470-1476 Published: MAR 15 2013, WOS
2. [1.1] Choi, J (Choi, Junjeong)(1) ; Jung, WH (Jung, Woo-Hee)(2) ; Koo, JS Metabolism-Related Proteins Are Differentially Expressed according to the Molecular Subtype of Invasive Breast Cancer Defined by Surrogate Immunohistochemistry PATHOBIOLOGY Volume: 80 Issue: 1 Pages: 41-52, 2013, WOS

ADCA165 KOPÁČEK, Juraj - ONDRIŠ, Karol - SEDLÁKOVÁ, Barbora - TOMÁŠKOVÁ, Jana - ZAHRADNIKOVA, L. - SEDLÁK, Ján - SULOVÁ, Zdena - ZAHRADNÍKOVÁ, Alexandra - PASTOREK, Jaromír - KRIŽANOVÁ, Oľga. Type 2 IP(3) receptors are involved in uranyl acetate induced apoptosis in HEK 293 cells. In *Toxicology*, 2009, vol. 262, iss. 1, p. 73-79. (2.836 - IF2008). (2009 - Current Contents). ISSN 0300-483X.

Ohlasy:

1. [1.1] Homma-Takeda, S (Homma-Takeda, Shino)(1) ; Kokubo, T (Kokubo, Toshiaki)(2) ; Terada, Y (Terada, Yasuko)(3) ; Suzuki, K (Suzuki, Kyoko)(4) ; Ueno, S (Ueno, Shunji)(5) ; Hayao, T (Hayao, Tatsuo)(2) ; Inoue, T (Inoue, Tatsuya)(6) ; Kitahara, K (Kitahara, Keisuke)(7) ; Blyth, BJ (Blyth, Benjamin J.)(1) ; Nishimura, M (Nishimura, Mayumi)(1) ; Shimada, Y Uranium dynamics and developmental sensitivity in rat kidney JOURNAL OF APPLIED TOXICOLOGY Volume: 33 Issue: 7 Pages: 685-694, 2013, WOS

ADCA166 KOPPELHUS, U. - ZACHAR, Vladimír - NIELSEN, P. - EBBESEN, P. Efficient in vitro inhibition of HIV-1 gag reverse transcription by peptide nucleic acid (PNA) at minimal ratios of PNA/RNA. In *Nucleic acids research*, 1997, vol. 25, p. 2167 - 2173. ISSN 0305-1048.

Ohlasy:

1. [1.2] Bahal, R.a, McNeer, N.A.b, Ly, D.H.c, Saltzman, W.M.b, Glazer, P.M. Nanoparticle for delivery of antisense γ PNA oligomers targeting CCR5 Artificial DNA: PNA and XNA Volume 4, Issue 2, 2013, Pages 43-53, SCOPUS

ADCA167 KORHONEN, K. - PARKKILA, A.K. - HELEN, P. - VÄLIMÄKI, R. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - PARKKILA, S. - HAAPASALO, H. Carbonic anhydrases in meningiomas: association of endothelial carbonic anhydrase II with aggressive tumor features. In *Journal of Neurosurgery*, 2009, vol. 111, no. 3, p. 472-477. (2.124 - IF2008). (2009 - Current Contents).

Ohlasy:

1. [1.1] Zhou, R (Zhou, Rui)[1,2,4] ; Huang, WJ (Huang, Wenjun)[4] ; Yao, YQ (Yao, Yuqin)[1,2] ; Wang, Y (Wang, Yuxi)[1,2] ; Li, ZQ (Li, Ziqiang)[1,2] ; Shao, B (Shao, Bin)[1,2] ; Zhong, J (Zhong, Jian)[1,2] ; Tang, MH (Tang, Minghai)[1,2] ; Liang, SF (Liang, Shufang)[1,2] ; Zhao, X (Zhao, Xia)[3] ; Tong, AP (Tong, Aiping)[1,2] ; Yang, JL CA II, a potential biomarker by proteomic analysis, exerts significant inhibitory effect on the growth of colorectal cancer cells INTERNATIONAL JOURNAL OF ONCOLOGY Volume: 43 Issue: 2 Pages: 611-621, 2013, WOS

ADCA168 KOSTNER, S. - DRIESCHE VAN DEN, S. - WITARSKI, Wojciech - PASTOREKOVÁ, Silvia - VELLEKOOP, M.J. Guided Dielectrophoresis : A robust method for continuous particle and cell separation. In *IEEE sensors journal*, 2010, vol. 10, no. 9, p.1440 - 1446. (1.581 - IF2009). (2010 - Current Contents). ISSN 1530-437X.

Ohlasy:

1. [1.1] Hyun, Kyung-A; Jung, Hyo-II Microfluidic devices for the isolation of circulating rare cells: A focus on affinity-based, dielectrophoresis, and hydrophoresis ELECTROPHORESIS Volume: 34 Issue: 7 Special Issue: SI Pages: 1028-1041 Published: APR 2013, WOS
2. [1.2] Chen, Y., Manoochehri, S. Optimization of electrode structure for effective particle separation in a micro-fluidic chip Proceedings of the ASME Design Engineering Technical Conference Volume 1, 2013, Article number V001T09A013 ASME 2013 International Design Engineering Technical Conferences and Computers and Information in Engineering Conference, IDETC/CIE 2013; Portland, OR; United States; 4 August 2013 through 7 August 2013; SCOPUS

ADCA169 FICOVÁ, Martina - BETÁKOVÁ, Tatiana - PANČÍK, Peter - VÁCLAV, Radovan - PROKOP, Pavol - HALÁSOVÁ, Zuzana - KÚDELOVÁ, Marcela. Molecular Detection of Murine Herpesvirus 68 in Ticks Feeding on Free-living Reptiles. In *Microbial Ecology*, 2011, vol. 62, p. 862 - 867. (2.875 - IF2010). (2011 - Current Contents). ISSN 0095-3628.

Ohlasy:

1. [1.1] Havlíková, S., Ličková, M., Klempa, B. Non-viraemic transmission of tick-borne viruses Acta Virologica 57 (2) , pp. 123-129 , 2013, WOS

ADCA170 KOUKOURAKIS, Michael I. - GIATROMANOLAKI, A. - SIVRIDIS, E. - PASTOREK, Jaromír - KARAPANTZOS, I. - GATTER, Kevin C. - HARRIS, A.L. Hypoxia-activated tumor pathways of angiogenesis and pH regulation independent of anemia in head-and-neck. In *International Journal of Radiation Oncology Biology Physics*, 2004, vol. 59, no. 1, p. 67 - 71. (4.285 - IF2003).

Ohlasy:

1. [1.1] Goscinski, MA (Goscinski, Mariusz Adam)[1] ; Nesland, JM (Nesland, Jahn Marthin)[2] ; Giercksky, KE (Giercksky, Karl-Erik)[1] ; Dhakal, HP Primary tumor vascularity in esophagus cancer. CD34 and HIF1-alpha expression correlate with tumor progression HISTOLOGY AND HISTOPATHOLOGY Volume: 28 Issue: 10 Pages: 1361-1368 , 2013, WOS
2. [1.1] Aggarwal, Mayank; Kondeti, Bhargav; McKenna, Robert Insights towards sulfonamide drug specificity in alpha-carbonic anhydrases BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1526-1533 Published: MAR 15 2013, WOS

3. [1.1] Douglas, CM (Douglas, C. M.)[1,2] ; Bernstein, JM (Bernstein, J. M.)[1,3,4] ; Ormston, VE (Ormston, V. E.)[2] ; Hall, RC (Hall, R. C.)[5] ; Merve, A (Merve, A.)[2] ; Swindell, R (Swindell, R.)[6] ; Valentine, HR (Valentine, H. R.)[2] ; Slevin, NJ (Slevin, N. J.)[2] ; West, CML (West, C. M. L.)[2] ; Homer, JJ Lack of Prognostic Effect of Carbonic Anhydrase-9, Hypoxia Inducible Factor-1 alpha and Bcl-2 in 286 Patients with Early Squamous Cell Carcinoma of the Glottic Larynx Treated with Radiotherapy CLINICAL ONCOLOGY Volume: 25 Issue: 1 Pages: 59-65 , 2013, WOS

ADCA171 KOUKOURAKIS, Michael I. - GIATROMANOLAKI, A. - SIVRIDIS, E. - SIMOPOULOS, K. - PASTOREK, Jaromír - WYKOFF, Charles C. - GATTER, Kevin C. - HARRIS, Adrian L. Hypoxia-regulated carbonic anhydrase-9 /CA9/ relates to poor vascularization and resistance of squamous cell head and neck cancer to chemoradiotherapy. In *Clinical Cancer Research*, 2001, vol. 7, p. 3399-3403. (4.643 - IF2000). (2001 - Current Contents).

Ohlasy:

1. [1.1] Wang, SS (Wang, Shian-Shiang)[1,2] ; Liu, YF (Liu, Yu-Fan)[3] ; Ou, YC (Ou, Yen-Chuan)[2] ; Chen, CS (Chen, Chuan-Shu)[2] ; Li, JR (Li, Jian-Ri)[2] ; Yang, SF Impacts of CA9 Gene Polymorphisms on Urothelial Cell Carcinoma Susceptibility and Clinicopathologic Characteristics in Taiwan PLOS ONE, Volume: 8 Issue: 12, Article Number: e82804, 2013, WOS
2. [1.1] Patel, NR (Patel, Niravkumar R.)[1] ; Pattni, BS (Pattni, Bhushan S.)[1] ; Abouzeid, AH (Abouzeid, Abraham H.)[1] ; Torchilin, VP Nanopreparations to overcome multidrug resistance in cancer ADVANCED DRUG DELIVERY REVIEWS Volume: 65 Issue: 13-14 Pages: 1748-1762, 2013, WOS
3. [1.1] Jia Xiao-Ting; Zheng Guo-Pei; Yin Jiang; Zhang Zi-Juan; He Zhi-Min Carbonic Anhydrase CA9 Regulates Intracellular pH to Affect the Chemotherapy for Tongue Cancer Zhongguo Shengwu Huaxue yu Fenzi Shengwu Xuebao Volume:29 Issue:8 Pages:767-772, 2013, WOS
4. [1.1] Rainsbury, JW (Rainsbury, James W.)[1] ; Ahmed, W (Ahmed, Waseem)[1] ; Williams, HK (Williams, Hazel K.)[2] ; Roberts, S (Roberts, Sally)[3] ; Paleri, V (Paleri, Vinidh)[4] ; Mehanna, H Prognostic biomarkers of survival in oropharyngeal squamous cell carcinoma: Systematic review and meta-analysis HEAD AND NECK-JOURNAL FOR THE SCIENCES AND SPECIALTIES OF THE HEAD AND NECK Volume: 35 Issue: 7 Pages: 1048-1055, 2013, WOS
5. [1.1] Gieling, Roben G.; Williams, Kaye J. Carbonic anhydrase IX as a target for metastatic disease BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1470-1476 Published: MAR 15 2013, WOS

ADCA172 KOVÁČOVÁ, Elena - KAZÁR, Ján - ŠIMKOVÁ, Anežka. Clinical and serological analysis of a Q fever outbreak in western Slovakia with four-year follow-up. In *European journal of clinical microbiology & infectious diseases*, 1998, vol. 17, no. 12, p. 867 - 869. ISSN 0934-9723.

Ohlasy:

1. [1.1] Wielders, CCH (Wielders, Cornelia C. H.)[1,2] ; Morroy, G (Morroy, Gabriella)[3,4] ; Wever, PC (Wever, Peter C.)[2] ; Coutinho, RA (Coutinho, Roel A.)[1,5] ; Schneeberger, PM (Schneeberger, Peter M.)[1,2] ; van der Hoek, W Strategies for early detection of chronic Q-fever: a systematic review EUROPEAN JOURNAL OF CLINICAL INVESTIGATION Volume: 43 Issue: 6 Pages: 616-639, 2013, WOS

ADCA173 KOVÁČOVÁ, Elena - SEKEYOVÁ, Zuzana - TRÁVNÍČEK, M. - BHIDE, Mangesh - MARDZINOVÁ, S. - CURLIK, J. - ŠPANELOVÁ, D. Monitoring of humans and animals for the presence of various rickettsiae and Coxiella burnetii by Coxiella burnetii, by serological methods. In *Annals of the New York Academy of Sciences Vol.1078. Century of Rickettsiology: Emerging, Reemerging Rickettsioses, Molecular Diagnostics and Emerging Veterinary Rickettsioses*, 2006, p. 587 - 589. (1.971 - IF2005). ISSN 0077-8923.

Ohlasy:

1. [1.1] Parola, P (Parola, Philippe)[1] ; Paddock, CD (Paddock, Christopher D.)[2] ; Socolovschi, C (Socolovschi, Cristina)[1] ; Labruna, MB (Labruna, Marcelo B.)[3] ; Mediannikov, O (Mediannikov, Oleg)[1] ; Kernif, T (Kernif, Tahar)[4] ; Abdad, MY (Abdad, Mohammad Yazid)[5] ; Stenos, J (Stenos, John)[5] ; Bitam, I (Bitam, Idir)[6] ; Fournier, PE (Fournier, Pierre-Edouard)[1] ; Raoult, D

(Raoult, Didier) Update on Tick-Borne Rickettsioses around the World: a Geographic Approach
CLINICAL MICROBIOLOGY REVIEWS Volume: 26 Issue: 4 Pages: 657-702, 2013, WOS

ADCA174 KOVÁČOVÁ, Elena - SIXL, W. - STUNZNER, D. - URVÖLGYI, Juraj - KAZÁR, Ján. Serological examination of human and human sera from six countries of three continents for the presence of rickettsial antibodies. In *European Journal of Epidemiology*, 1996, vol.12, no. 1, p. 85 - 89. (0.534 - IF1995). (1996 - Current Contents). ISSN 0393-2990.

Ohlasy:

1. [1.1] Zajac, V (Zajac, Violetta)[1] ; Wojcik-Fatla, A (Wojcik-Fatla, Angelina)[1] ; Cisak, E (Cisak, Ewa)[1] ; Sroka, J (Sroka, Jacek)[1,2] ; Sawczyn, A (Sawczyn, Anna)[1] ; Dutkiewicz, J Study on tick-borne rickettsiae in eastern Poland. II. Serological response of occupationally exposed populations
ANNALS OF AGRICULTURAL AND ENVIRONMENTAL MEDICINE Volume: 20 Issue: 2 Pages: 280-282, 2013, WOS

ADCA175 KRAMSKI, M. - MEISEL, H. - KLEMPA, Boris - KRÜGER, D.H. - PAULI, G. - NITSCHKE, A. Detection and Typing of Human Pathogenic Hantaviruses by Real-Time Reverse Transcription-PCR and Pyrosequencing. In *Clinical Chemistry*, 2007, vol. 53, p. 1899-1905. (5.454 - IF2006). (2007 - Current Contents). ISSN 0009-9147.

Ohlasy:

1. [1.1] Chassovnikarova, T.G.a , Atanassov, N.I.a, Christova, I.S.b, Dimitrov, H.A.c, Mitkovska, V.I.c, Trifonova, I.P.b, Gladnishka, T.K.b, Kalvatchev, N.Z.b, Mohareb, E. Hantavirus infections in host populations of yellow-necked and field mice (Rodentia: Muridae) in South Bulgaria *Acta Zoologica Bulgarica* Volume 65, Issue 3, 2013, Pages 397-402, WOS

2. [1.1] Taori, SK (Taori, Surabhi K.)[1] ; Jameson, LJ (Jameson, Lisa J.)[2] ; Campbell, A (Campbell, Andrew)[3] ; Drew, PJ (Drew, Peter J.)[4,5] ; McCarthy, ND (McCarthy, Noel D.)[6,7] ; Hart, J (Hart, Judy)[8] ; Osborne, JC (Osborne, Jane C.)[1] ; Sudhanva, M (Sudhanva, Malur)[1] ; Brooks, TJG (Brooks, Timothy J. G.)[1] UK hantavirus, renal failure, and pet rats *LANCET* Volume: 381 Issue: 9871 Pages: 1070-1070 Published: MAR 23 2013, WOS

3. [1.1] Rovida, F., Percivalle, E., Sarasini, A., Chichino, G., Baldanti, F. Imported hantavirus cardiopulmonary syndrome in an Italian traveller returning from Cuba *New Microbiologica* 36 (1) , pp. 103-105, 2013, WOS

4. [1.1] Jameson, LJ (Jameson, L. J.)[1,2] ; Taori, SK (Taori, S. K.)[3] ; Atkinson, B (Atkinson, B.)[1] ; Levick, P (Levick, P.)[4] ; Featherstone, CA (Featherstone, C. A.)[5] ; van der Burgt, G (van der Burgt, G.)[6] ; McCarthy, N (McCarthy, N.) ; Hart, J (Hart, J.) ; Osborne, JC (Osborne, J. C.)[3] ; Walsh, AL (Walsh, A. L.)[7] ; Brooks, TJ (Brooks, T. J.)[3] ; Hewson, R (Hewson, R.)[1] Pet rats as a source of hantavirus in England and Wales, 2013 *EUROSURVEILLANCE* Volume: 18 Issue: 9 Pages: 6-8 Article Number: 20415 Published: FEB 28 2013, WOS

5. [1.1] Vial, P.A.ab , Valdivieso, F.ab, Ferres, M.c, Riquelme, R.d, Rioseco, M.L.d, Calvo, M.e, Castillo, C.f, Díaz, R.g, Scholz, L.h, Cuiza, A.a, Belmar, E.a, Hernandez, C.a, Martinez, J.a, Lee, S.-J.i, Mertz, G.J. High-dose intravenous methylprednisolone for hantavirus cardiopulmonary syndrome in Chile: A double-blind, randomized controlled clinical trial *Clinical Infectious Diseases* Volume 57, Issue 7, 1 October 2013, Pages 943-951, WOS

6. [1.1] Machado, A.M., de Souza, W.M., de Pádua, M., Rodrigues Machado, A.R.S., Moraes Figueiredo, L.T. Development of a one-step SYBR Green I real-time RT-PCR assay for the detection and quantitation of Araraquara and Rio Mamore hantavirus *Viruses* 5 (9) , pp. 2272-2281, 2013, WOS

7. [1.2] Ayral, F Hantavirose à virus Séoul: Émergence d'une zoonose chez les rats en Europe | [Seoul Hantavirus virus: Emergence of a zoonosis in rats in Europe] *Point Veterinaire* 44 (336) , pp. 14-18, 2013, SCOPUS

ADCA176 KRAMSKI, M. - ACHAZI, K. - KLEMPA, Boris - KRÜGER, D.H. Nephropathia epidemica with a 6-week incubation period after occupational exposure to puumala hantavirus. In *Journal of Clinical Virology*, 2009, vol. 44, no. 1, p. 99 - 101. (3.320 - IF2008). (2009 - Current Contents). ISSN 1386-6532.

Ohlasy:

1. [1.1] Haredasht, SA (Haredasht, S. Amirpour)[1] ; Taylor, CJ (Taylor, C. J.)[2] ; Maes, P (Maes,

P.][3] ; Verstraeten, WW (Verstraeten, W. W.)[1,4,5] ; Clement, J (Clement, J.)[3] ; Barrios, M (Barrios, M.)[1] ; Lagrou, K (Lagrou, K.)[6] ; Van Ranst, M (Van Ranst, M.)[3] ; Coppin, P (Coppin, P.)[1] ; Berckmans, D (Berckmans, D.) Model-Based Prediction of Nephropathia Epidemica Outbreaks Based on Climatological and Vegetation Data and Bank Vole Population Dynamics ZOO NOSES AND PUBLIC HEALTH Volume: 60 Issue: 7 Pages: 461-477, 2013, WOS

ADCA177 KREJNUSOVÁ, Ingrid - GOCNÍKOVÁ, Hana - BYSTRICKÁ, Magda - BLÁŠKOVIČOVÁ, H. - POLÁKOVÁ, Katarína - YEWDELL, J. - BENNINK, J. - RUSS, Gustáv. Antibodies to PB1-F2 protein are induced in response to influenza A virus infection. In *Archives of Virology*, 2009, vol. 154, no. 10, p. 1599-1604. (2.020 - IF2008). (2009 - Current Contents). ISSN 0304-8608.

Ohlasy:

1. [1.1] Lu, G (Lu, Gang)[1] ; Guo, W (Guo, Wei)[1] ; Qi, T (Qi, Ting)[1] ; Ma, J (Ma, Jian)[1] ; Zhao, SH (Zhao, Shihua)[1] ; Tian, ZG (Tian, Zhige)[1] ; Pan, JL (Pan, Jialiang)[1] ; Zhu, C (Zhu, Chao)[1] ; Wang, XJ (Wang, Xiaojun)[1] ; Xiang, WH Genetic analysis of the PB1-F2 gene of equine influenza virus VIRUS GENES Volume: 47 Issue: 2 Pages: 250-258, 2013, WOS
2. [1.1] Chakrabarti, Alok K.; Pasricha, Gunisha An insight into the PB1F2 protein and its multifunctional role in enhancing the pathogenicity of the influenza A viruses VIROLOGY Volume: 440 Issue: 2 Pages: 97-104 Published: JUN 5 2013, WOS
3. [1.1] Xiao, W (Xiao, W.)[1] ; Su, Y (Su, Y.)[2] ; Zhou, S (Zhou, S.)[1] ; Yi, C (Yi, Ch.)[1] ; He, G (He, G.); Liu, Y (Liu, Y.)[1] ; Qi, Y Rasgrp2 regulates the permissiveness of NIH3T3 cells to a herpes simplex virus 1 mutant with inactivated ICP34.5 gene ACTA VIROLOGICA Volume: 57 Issue: 1 Pages: 41-49, 2013, WOS

ADCA178 KRÜGER, D.H. - SCHONRICH, G. - KLEMPA, Boris. Human pathogenic hantaviruses and prevention of infection. In *Human Vaccines*, 2011, vol. 7, no. 6, p. 685 - 693. (2.042 - IF2010). ISSN 1554-8619.

Ohlasy:

1. [1.1] Li, K (Li, Kai)[1] ; Li, PY (Li, Pu-Yuan)[1] ; Wu, XA (Wu, Xing-An)[1] ; Zhang, L (Zhang, Liang)[1] ; Liu, ZY (Liu, Zi-Yu)[1] ; Yu, L (Yu, Lan)[1] ; Zhang, L (Zhang, Lei)[1] ; Cheng, LF (Cheng, Lin-Feng)[1] ; Bai, WT (Bai, Wen-Tao)[2] ; Zhang, FL (Zhang, Fang-Lin)[1] ; Xu, ZK (Xu, Zhi-Kai)[1] Induction of Hantaan virus-specific immune responses in C57BL/6 mice by immunization with a modified recombinant adenovirus containing the chimeric gene, GcS0.7 INTERNATIONAL JOURNAL OF MOLECULAR MEDICINE Volume: 32 Issue: 3 Pages: 709-716 DOI: 10.3892/ijmm.2013.1421 Published: SEP 2013, WOS
2. [1.1] Vaheri, A (Vaheri, Antti)[1] ; Strandin, T (Strandin, Tomas)[1] ; Hepojoki, J (Hepojoki, Jussi)[1] ; Sironen, T (Sironen, Tarja)[1] ; Henttonen, H (Henttonen, Heikki)[2] ; Makela, S (Makela, Satu)[3,4] ; Mustonen, J (Mustonen, Jukka)[3,4] Uncovering the mysteries of hantavirus infections NATURE REVIEWS MICROBIOLOGY Volume: 11 Issue: 8 Pages: 539-550 DOI: 10.1038/nrmicro3066 Published: AUG 2013, WOS
3. [1.1] Chandy, S (Chandy, S.)[1] ; Ulrich, RG (Ulrich, R. G.)[2] ; Schlegel, M (Schlegel, M.)[2] ; Petraityte, R (Petraityte, R.)[3] ; Sasnauskas, K (Sasnauskas, K.)[3] ; Prakash, DJ (Prakash, D. J.)[4] ; Balraj, V (Balraj, V.)[5] ; Abraham, P (Abraham, P.)[1] ; Sridharan, G (Sridharan, G.)[1] Hantavirus Infection among Wild Small Mammals in Vellore, South India ZOO NOSES AND PUBLIC HEALTH Volume: 60 Issue: 5 Pages: 336-340 DOI: 10.1111/j.1863-2378.2012.01532.x Published: AUG 2013, WOS
4. [1.1] Antonen, J (Antonen, Jaakko)[1] ; Leppanen, I (Leppanen, Ilona)[2] ; Tenhunen, J (Tenhunen, Jyrki)[2,3] ; Arvola, P (Arvola, Pertti)[1] ; Makela, S (Makela, Satu)[1] ; Vaheri, A (Vaheri, Antti)[4] ; Mustonen, J (Mustonen, Jukka)[1,5] A severe case of Puumala hantavirus infection successfully treated with bradykinin receptor antagonist icatibant SCANDINAVIAN JOURNAL OF INFECTIOUS DISEASES Volume: 45 Issue: 6 Pages: 494-496 DOI: 10.3109/00365548.2012.755268 Published: JUN 2013, WOS
5. [1.1] Jameson, LJ (Jameson, L. J.)[1,2] ; Taori, SK (Taori, S. K.)[3] ; Atkinson, B (Atkinson, B.)[1] ; Levick, P (Levick, P.)[4] ; Featherstone, CA (Featherstone, C. A.)[5] ; van der Burgt, G (van der Burgt, G.)[6] ; McCarthy, N (McCarthy, N.); Hart, J (Hart, J.); Osborne, JC (Osborne, J. C.)[3] ; Walsh,

- AL (Walsh, A. L.)([7] ; Brooks, TJ (Brooks, T. J.)([3] ; Hewson, R (Hewson, R.)([1] Pet rats as a source of hantavirus in England and Wales, 2013 EUROSURVEILLANCE Volume: 18 Issue: 9 Pages: 6-8 Article Number: 20415 Published: FEB 28 2013, WOS
6. [1.1] Jameson, LJ (Jameson, L. J.)([1] ; Logue, CH (Logue, C. H.)([1,2] ; Atkinson, B (Atkinson, B.)([1] ; Baker, N (Baker, N.)([3] ; Galbraith, SE (Galbraith, S. E.)([2] ; Carroll, MW (Carroll, M. W.)([1] ; Brooks, T (Brooks, T.)([4] ; Hewson, R (Hewson, R.)([1] The continued emergence of hantaviruses: isolation of a Seoul virus implicated in human disease, United Kingdom, October 2012 EUROSURVEILLANCE Volume: 18 Issue: 1 Pages: 4-7 Article Number: 20344 Published: JAN 3 2013, WOS
7. [1.1] Wojcik-Fatla, A (Wojcik-Fatla, Angelina)([1] ; Zajac, V (Zajac, Violetta)([1] ; Knap, JP (Knap, Jozef P.)([2] ; Sroka, J (Sroka, Jacek)([1,3] ; Cisak, E (Cisak, Ewa)([1] ; Sawczyn, A (Sawczyn, Anna)([1] ; Dutkiewicz, J (Dutkiewicz, Jacek)([1] A small-scale survey of hantavirus in mammals from eastern Poland ANNALS OF AGRICULTURAL AND ENVIRONMENTAL MEDICINE Volume: 20 Issue: 2 Pages: 283-286 Published: 2013, WOS
8. [1.1] Li, JL (Li, J. -L.)([1] ; Ling, JX (Ling, J. -X.)([1] ; Chen, LJ (Chen, L. -J.)([1] ; Wei, F (Wei, F.)([1] ; Luo, F (Luo, F.)([1] ; Liu, YY (Liu, Y. -Y.)([1] ; Xiong, HR (Xiong, H. -R.)([1] ; How, W (How, W.)([1] ; Yang, ZQ (Yang, Z. -Q.)([1] An Efficient Method for Isolation of Hantaan Virus through Serial Passages in Suckling Mice INTERVIROLOGY Volume: 56 Issue: 3 Pages: 172-177 DOI: 10.1159/000345444 Published: 2013, WOS
9. [1.2] Li, K.a, Li, P.-Y.a, Wu, X.-A.a, Zhang, L.a, Liu, Z.-Y.a, Yu, L.a, Zhang, L.a, Cheng, L.-F.a, Bai, W.-T.b, Zhang, F.-L.a , Xu, Z.-K.a Induction of Hantaan virus-specific immune responses in C57BL/6 mice by immunization with a modified recombinant adenovirus containing the chimeric gene, GcS0.7 International Journal of Molecular Medicine Volume 32, Issue 3, September 2013, Pages 709-716, SCOPUS
10. [1.1] Korva, M., Saksida, A., Kejžar, N., Schmaljohn, C., Avšič-Županc, T. Viral load and immune response dynamics in patients with haemorrhagic fever with renal syndrome Clinical Microbiology and Infection Volume 19, Issue 8, August 2013, Pages E358-E366, WOS
11. [1.2] Ayral, F. Hantavirose à virus Séoul: Émergence d'une zoonose chez les rats en Europe | [Seoul Hantavirus virus: Emergence of a zoonosis in rats in Europe] Point Veterinaire 44 (336) , pp. 14-18, 2013, SCOPUS
12. [1.2] Jameson, L.J.ab , Taori, S.K.c, Atkinson, B.a, Levick, P.d, Featherstone, C.A.e, van der Burgt, G.f, McCarthy, N.g, Hart, J.h, Osborne, J.C.c, Walsh, A.L.i, Brooks, T.J.c, Hewson, R. Pet rats as a source of hantavirus in England and Wales, 2013 Eurosurveillance Volume 18, Issue 9, 2013, SCOPUS
13. [1.2] Vaheri, A., Henttonen, H., Voutilainen, L., Mustonen, J., Sironen, T., Vapalahti, O. Hantavirus infections in Europe and their impact on public health Reviews in Medical Virology 23 (1) , pp. 35-49, 2013, SCOPUS
14. [1.2] Perng, G.C., Solbrig, M.V. Viral hemorrhagic fevers Birkhauser Advances in Infectious Diseases , pp. 337-368, 2013, SCOPUS
15. [1.2] Krautkrämer, E., Zeier, M., Plyusnin, A. Hantavirus infection: An emerging infectious disease causing acute renal failure Kidney International 83 (1) , pp. 23-27, 2013, SCOPUS

ADCA179 KUBEŠ, Miroslav - FUCHSBERGER, Norbert - KONTSEK, Peter. Cross-species antiviral and antiproliferative activity of human interferon- ω . In *Journal of Interferon Research*, 1994, vol. 14, no. 2, p. 57 - 59. ISSN 1079-9907.

Ohlasy:

1. [1.1] Hu, Z (Hu, Zhe)([1] ; Wu, XL (Wu, Xingliang)([1] ; Ge, JY (Ge, Jinying)([1] ; Wang, XJ (Wang, Xiaojun)([1] Inhibition of virus replication and induction of human tetherin gene expression by equine IFN- α 1 VETERINARY IMMUNOLOGY AND IMMUNOPATHOLOGY Volume: 156 Issue: 1-2 Pages: 107-113, 2013, WOS

ADCA180 KUBEŠ, Miroslav - CORDIER, J. - GLOWINSKI, J. - GIRAULT, J.A. - CHNEIWEISS, H. Endothelin induces a calcium-dependent phosphorylation of PEA-15 in intact astrocytes: Identification of Ser(104) and

Ser(116) phosphorylated , respectively , by protein kinase C and calcium/calmodulin kinase II in vitro. In *Journal of Neurochemistry*, 1998, vol. 71, no. 3, p. 1307 - 1314. ISSN 0022-3042.

Ohlasy:

1. [1.2] Xie, X.ab, Bartholomeusz, C.ab , Ahmed, A.A.d, Kazansky, A.ab, Diao, L.c, Baggerly, K.A.c, Hortobagyi, G.N.ab, Ueno, N.T. Bisphosphorylated PEA-15 sensitizes ovarian cancer cells to paclitaxel by impairing the microtubule-destabilizing effect of SCLIP *Molecular Cancer Therapeutics* Volume 12, Issue 6, June 2013, Pages 1099-1111, SCOPUS

ADCA181 KUBEŠ, Miroslav - KOCÁKOVÁ, Pavlína - SLOVÁK, Mirko - LAHOVÁ, Monika - FUCHSBERGER, Norbert - NUTTALL, Patricia A. Heterogeneity in the effect of different ixodid tick species on human natural killer cell activity. In *Parasite immunology*. - Oxford : Blackwell Science, 2002, vol. 24, p. 23 - 28. (2002 - Current Contents). ISSN 0141-9838.

Ohlasy:

1. [1.1] Wikel, Stephen Ticks and tick-borne pathogens at the cutaneous interface: host defenses, tick countermeasures, and a suitable environment for pathogen establishment *FRONTIERS IN MICROBIOLOGY* Volume: 4 Article Number: 337 Published: NOV 19 2013, WOS

ADCA182 KUBEŠ, Miroslav - FUCHSBERGER, Norbert - LABUDA, Milan - ŽUFFOVÁ, Eva - NUTTALL, Patricia A. Salivary glands extract of partially fed *Dermacentor reticulatus* ticks decrease natural killer activity in vitro. In *Immunology*, 1994, vol. 82, p.113 - 116. ISSN 0019-2805.

Ohlasy:

1. [1.1] Wikel, Stephen Ticks and tick-borne pathogens at the cutaneous interface: host defenses, tick countermeasures, and a suitable environment for pathogen establishment *FRONTIERS IN MICROBIOLOGY* Volume: 4 Article Number: 337 , 2013, WOS
2. [1.1] Poole, NM (Poole, Nina M.)[1,3] ; Mamidanna, G (Mamidanna, Gayatri)[1] ; Smith, RA (Smith, Richard A.)[2] ; Coons, LB (Coons, Lewis B.)[1] ; Cole, JA (Cole, Judith A.) Prostaglandin E-2 in tick saliva regulates macrophage cell migration and cytokine profile *PARASITES & VECTORS* Volume: 6 Article Number: 261, 2013, WOS
3. [1.1] Kazimirova, M (Kazimirova, Maria)[1] ; Stibraniova, I (Stibraniova, Iveta)[2] Tick salivary compounds: their role in modulation of host defences and pathogen transmission *FRONTIERS IN CELLULAR AND INFECTION MICROBIOLOGY* Volume: 3 Article Number: 43 , 2013, WOS
4. [1.1] Kliot, Adi; Ghanim, Murad The Role of Bacterial Chaperones in the Circulative Transmission of Plant Viruses by Insect Vectors *VIRUSES-BASEL* Volume: 5 Issue: 6 Pages: 1516-1535 Published: JUN 2013, WOS
5. [1.1] Stibraniova, I.; Lahova, M.; Bartikova, P Immunomodulators in tick saliva and their benefits *ACTA VIROLOGICA* Volume: 57 Issue: 2 Special Issue: SI Pages: 200-216 Published: 2013, WOS
6. [1.1] Hai, VV (Hai, Vinh Vu)[1,2] ; Almeras, L (Almeras, Lionel)[1,2] ; Audebert, S (Audebert, Stephane)[3] ; Pophillat, M (Pophillat, Matthieu)[4] ; Boulanger, N (Boulanger, Nathalie)[5] ; Parola, P (Parola, Philippe)[1] ; Raoult, D (Raoult, Didier)[1] ; Pages, F (Pages, Frederic)[1,6] Identification of salivary antigenic markers discriminating host exposition between two European ticks: *Rhipicephalus sanguineus* and *Dermacentor reticulatus* *COMPARATIVE IMMUNOLOGY MICROBIOLOGY AND INFECTIOUS DISEASES* Volume: 36 Issue: 1 Pages: 39-53, 2013, WOS

ADCA183 KÚDELA, Otakar - KÚDELOVÁ, Marcela - NOVÁKOVÁ, Slavomíra - GLASA, Miroslav. First report of wheat streak mosaic virus in Slovakia. In *Plant Disease*, 2008, vol. 92, no. 9, p.135. (1.790 - IF2007). (2008 - Current Contents). ISSN 0191-2917.

Ohlasy:

1. [1.1] Navia, D (Navia, Denise)[1] ; de Mendonca, RS (de Mendonca, Renata Santos)[1] ; Skoracka, A (Skoracka, Anna)[2] ; Szydlo, W (Szydlo, Wiktoria)[2] ; Knihinicki, D (Knihinicki, Danuta)[3] ; Hein, GL (Hein, Gary L.)[4] ; Pereira, PRVD (Valle da Silva Pereira, Paulo Roberto)[5] ; Truol, G (Truol, Graciela)[6] ; Lau, D (Lau, Douglas) Wheat curl mite, *Aceria tosichella*, and transmitted viruses: an expanding pest complex affecting cereal crops *EXPERIMENTAL AND APPLIED ACAROLOGY* Volume: 59 Issue: 1-2 Pages: 95-143, 2013, WOS

ADCA184 LABUDA, Milan - TRIMNELL, A.R. - LIČKOVÁ, Martina - KAZIMÍROVÁ, Mária - DAVIES, G.M. - LISSINA, O. - HAILS, R. - NUTTALL, Patricia A. An antivector vaccine protects against a lethal vector-borne pathogen. In *PLoS Pathogens*, 2006, vol. 2, no. 4, p. 251 - 259. (9.079 - IF2005). ISSN 1553-7366.

Ohlasy:

1. [1.1] Octavio MERINO, Pilar ALBERDI, José M. Pérez de la LASTRA, José de la FUENTE (2013) Tick vaccines and the control of tick-borne pathogens. *FRONT CELL INFECT MICROBIOL.* 3: 30. DOI: 10.3389/fcimb.2013.00030, WOS
2. [1.1] MACHAIN-WILLIAMS, Carlos - REAGAN, Krystle - WANG, Tian - ZEIDNER, Nordin S. - BLAIR, Carol D. Immunization with *Culex tarsalis* Mosquito Salivary Gland Extract Modulates West Nile Virus Infection and Disease in Mice. In *VIRAL IMMUNOLOGY*. ISSN 0882-8245, FEB 2013, vol. 26, no. 1, p. 84-92., WOS
3. [1.1] EMBERS, Monica E.; NARASIMHAN, Sukanya (2013) . Vaccination against Lyme disease: past, present, and future. *FRONTIERS IN CELLULAR AND INFECTION MICROBIOLOGY* Volume: 3 Article Number: UNSP 6 DOI: 10.3389/fcimb.2013.00006, WOS
4. [1.1] FARKAS, Robert, SALMAN, Mo, ESTRADA-PENA, Agustin (2013) Surveillance and Control Measures. In: EstradaPena, Farkas, R; Jaenson, TGT; Koenen, F; Madder, M; Pascucci, I; Salman, M; DeSousa, R; Walker, AR (auth.) *TICKS AND TICK-BORNE DISEASES: GEOGRAPHICAL DISTRIBUTION AND CONTROL STRATEGIES IN THE EURO-ASIA REGION* Pages: 98-114, WOS
5. [1.1] Octavio MERINO, Sandra ANTUNES, Juan MOSQUEDA, Juan A. MORENO-CID, José M. Pérez de la LASTRA, Rodrigo ROSARIO-CRUZ, Sergio RODRÍGUEZ, Ana DOMINGOS, José de la FUENTE (2013) Vaccination with proteins involved in tick–pathogen interactions reduces vector infestations and pathogen infection. *VACCINE* (Available online 29 September 2013) DOI:10.1016/j.vaccine.2013.09.037, WOS
6. [1.1] Alina RODRÍGUEZ-MALLON, Gervasio H. BECHARA, Rosangela M. ZACARIAS, Efrain BENAVIDES-ORTIZ, Jose Luis SOTO-RIVAS, Arlen Patricia GÓMEZ-RAMÍREZ, Javier Andrés JAIMES-OLAYA, Mario Pablo ESTRADA-GARCÍA (2013) Inhibition of *Ehrlichia canis* and *Babesia canis* transmission among ticks fed together on dogs vaccinated with Bm86 antigen. *OJAS / OPEN JOURNAL OF ANIMAL SCIENCES* Vol.3, p. 24-32 DOI: 10.4236/ojas.2013.33A004, WOS
7. [1.1] OLDS Cassandra , BISHOP Richard , DAUBENBERGER Claudia (2013) Anti-tick Vaccines for the Control of Ticks Affecting Livestock. pp 295-311 DOI:10.1007/978-3-7091-1419-3_17 In: GIESE Matthias (ed) *MOLECULAR VACCINES: From Prophylaxis to Therapy*. Volume 1, Part III, Springer-Verlag Wien 447 pp. ISBN: 978-3-7091-1418-6, WOS
8. [1.1] Snorre STUEN, Erik G. GRANQUIST, Cornelia SILAGHI (2013) *Anaplasma phagocytophilum*—a widespread multi-host pathogen with highly adaptive strategies. *FRONT CELL INFECT MICROBIOL.* 3: 31. DOI:10.3389/fcimb.2013.00031, WOS
9. [3] SAKHON, Olivia S.(2013). Manipulation of Host Signaling by Vector-Borne and Non-Vector-Borne Pathogens. UC Riverside: Biomedical Sciences. PhD Thesis University of California Riverside. 150 pp. Retrieved from: <http://escholarship.org/uc/item/4r1727jk>, Google Scholar
10. [3] MEYER, Jason M., HILL Catherine A. (2013) Tick Genetics, Genomics and Transformation. Chapter 3, p. 61. In: Daniel E Sonenshine; R Michael Roe (eds) *Biology of Ticks*. Vol. 2 - Ecology, Genomics, Disease and Control. Oxford : Oxford University Press, 2013, 540 pp. ISBN: 9780199744060, 0199744068, Google Scholar

ADCA185 LABUDA, Milan - JONES, L.D. - WILLIAMS, T. - DANIELOVÁ, V. - NUTTALL, Patricia A. Efficient transmission of tick-borne encephalitis virus infection between cofeeding ticks. In *Journal of Medical Entomology*, 1993, vol. 30, no. 1, p. 295-299. ISSN 0022-2585.

Ohlasy:

1. [1.1] Russ, Gustav; Kopacek, Juraj Special issue of Acta virologica to the 60th anniversary of foundation of the Institute of Virology of the Slovak Academy of Sciences INTRODUCTION , ACTA VIROLOGICA Volume: 57 Issue: 2 Special Issue: SI Pages: 88-90 Published: 2013, WOS

ADCA186 LABUDA, Milan - JIANG, W.R. - KALUZOVÁ, Milota - KOŽUCH, Otto - NUTTALL, Patricia A. - WEISMANN, Peter - ELEČKOVÁ, Elena - ŽUFFOVÁ, Eva - GOULD, E.A. Change in phenotype of tick-borne

encephalitis virus following passage in Ixodes ricinus ticks and associated amino acid substitution in the envelope protein. In *Virus Research*, 1994, vol. 31, no. 3, p. 305-315.

Ohlasy:

1. [1.1] Bente, D.A.a , Forrester, N.L.b, Watts, D.M.c, McAuley, A.J.a, Whitehouse, C.A.d, Bray, M. Crimean-Congo hemorrhagic fever: History, epidemiology, pathogenesis, clinical syndrome and genetic diversity *Antiviral Research* Volume 100, Issue 1, 2013, Pages 159-189, WOS

ADCA187 LABUDA, Milan - AUSTYN, J.M. - ŽUFFOVÁ, Eva - KOŽUCH, Otto - FUCHSBERGER, Norbert - LYSY, J. - NUTTALL, Patricia A. Importance of localized skin infection of tick-borne encephalitis virus. In *Virology*, 1995, vol. 219, no. 2, p. 357 - 366. (3.879 - IF1994). (1995 - Current Contents). ISSN 0042-6822.

Ohlasy:

1. [1.1] Tonteri, E (Tonteri, Elina)[1,2,3] ; Kipar, A (Kipar, Anja)[4,5,6,7] ; Voutilainen, L (Voutilainen, Liina)[1,8] ; Vene, S (Vene, Sirkka)[3] ; Vaheri, A (Vaheri, Antti)[1,9] ; Vapalahti, O (Vapalahti, Olli)[7,9,1] ; Lundkvist, A (Lundkvist, Ake) The Three Subtypes of Tick-Borne Encephalitis Virus Induce Encephalitis in a Natural Host, the Bank Vole (*Myodes glareolus*) *PLOS ONE* Volume: 8 Issue: 12, 2013 , Article Number: UNSP e81214, WOS
2. [1.1] Kazimirova, Maria; Stibraniova, Iveta Tick salivary compounds: their role in modulation of host defences and pathogen transmission Tick salivary compounds: their role in modulation of host defences and pathogen transmission *FRONTIERS IN CELLULAR AND INFECTION MICROBIOLOGY* Volume: 3 Article Number: 43 Published: AUG 2013, WOS
3. [1.1] Knap, Natasa; Avsic-Zupanc, Tatjana Correlation of TBE Incidence with Red Deer and Roe Deer Abundance in Slovenia *PLOS ONE* Volume: 8 Issue: 6 Article Number: e66380 Published: JUN 11 2013, WOS
4. [1.1] Drexler, JF (Drexler, Jan Felix)[1] ; Corman, VM (Corman, Victor Max)[1] ; Muller, MA (Mueller, Marcel Alexander)[1] ; Lukashev, AN (Lukashev, Alexander N.)[2] ; Gmyl, A (Gmyl, Anatoly)[2,3] ; Coutard, B (Coutard, Bruno)[4,5] ; Adam, A (Adam, Alexander)[6] ; Ritz, D (Ritz, Daniel)[1] ; Leijten, LM (Leijten, Lonneke M.)[7] ; van Riel, D (van Riel, Debby)[7] ; Kallies, R (Kallies, Rene)[1] ; Klose, SM (Klose, Stefan M.); Gloza-Rausch, F (Gloza-Rausch, Florian)[1,9] ; Binger, T (Binger, Tabea)[1] ; Annan, A (Annan, Augustina)[10] ; Adu-Sarkodie, Y (Adu-Sarkodie, Yaw)[11] ; Oppong, S (Oppong, Samuel)[11] ; Bourgarel, M (Bourgarel, Mathieu)[12] ; Rupp, D (Rupp, Daniel)[13] ; Hoffmann, B (Hoffmann, Bernd)[14] ; Schlegel, M (Schlegel, Mathias)[15] ; Kummerer, BM (Kuemmerer, Beate M.)[1] ; Kruger, DH (Krueger, Detlev H.)[16] ; Schmidt-Chanasit, Evidence for Novel Hepaciviruses in Rodents *PLOS PATHOGENS* Volume: 9 Issue: 6 Art. Numb.: e1003438, 2013, WOS
5. [1.1] Havlikova, S (Havlikova, Sabina)[1] ; Lickova, M (Lickova, Martina)[1] ; Ayllon, N (Ayllon, Nieves)[2] ; Roller, L (Roller, Ladislav)[3] ; Kazimirova, M (Kazimirova, Maria)[3] ; Slovak, M (Slovak, Mirko)[3] ; Moreno-Cid, JA (Moreno-Cid, Juan A.)[2] ; de la Lastra, JMP (Perez de la Lastra, Jose M.)[2] ; Klempa, B (Klempa, Boris)[1] ; de la Fuente, J (de la Fuente, Jose Havlikova, S (Havlikova, Sabina)[1] ; Lickova, M (Lickova, Martina)[1] ; Ayllon, N (Ayllon, Nieves)[2] ; Roller, L (Roller, Ladislav)[3] ; Kazimirova, M (Kazimirova, Maria)[3] ; Slovak, M (Slovak, Mirko)[3] ; Moreno-Cid, JA (Moreno-Cid, Juan A.)[2] ; de la Lastra, JMP (Perez de la Lastra, Jose M.)[2] ; Klempa, B (Klempa, Boris)[1] ; de la Fuente, J (de la Fuente, Jose)[2,4] Immunization with recombinant subolesin does not reduce tick infection with tick-borne encephalitis virus nor protect mice against disease *VACCINE* Volume: 31 Issue: 12 Pages: 1582-1589, 2013, WOS
6. [1.1] Havlikova, S.; Lickova, M.; Klempa, B. Non-viraemic transmission of tick-borne viruses *ACTA VIROLOGICA* Volume: 57 Issue: 2 Special Issue: SI Pages: 123-129 Published: 2013, WOS
7. [1.1] Stibraniova, I.; Lahova, M.; Bartikova, P. Immunomodulators in tick saliva and their benefits *ACTA VIROLOGICA* Volume: 57 Issue: 2 Special Issue: SI Pages: 200-216 Published: 2013, WOS

ADCA188 LABUDA, Milan - NUTTALL, Patricia A. - KOŽUCH, Otto - ELEČKOVÁ, Elena - WILLIAMS, T. - ŽUFFOVÁ, Eva - SABÓ, Alexander. Non-viraemic transmission of tick borne encephalitis virus: a mechanism for arbovirus survival in nature. In *Experientia*, 1993, vol. 49, p. 802 - 805.

Ohlasy:

1. [1.2] Estrada-Peña, A.a , Gray, J.S.b, Kahl, O.c, Lane, R.S.d, Nijhof, A.M.e Research on the ecology of ticks and tick-borne pathogens-methodological principles and caveats *Frontiers in Cellular and Infection Microbiology* Volume 4, Issue AUG, 2013, Article number Article 29, SCOPUS
2. [1.2] Kazimírová, M.a , Štibrániová, I. Tick salivary compounds: Their role in modulation of host defences and pathogen transmission *Frontiers in Cellular and Infection Microbiology* Volume 4, Issue AUG, 2013, Article number Article 43, SCOPUS
3. [1.2] Pfäffle, M. , Littwin, N., Muders, S.V., Petney, T.N. he ecology of tick-borne diseases *International Journal for Parasitology* Volume 43, Issue 12-13, November 2013, Pages 1059-1077, SCOPUS
4. [1.2] Ytrehus, B.a , Vainio, K.b, Dudman, S.G.b, Gilray, J.c, Willoughby, K. Tick-borne encephalitis virus and louping-ill virus may co-circulate in Southern Norway *Vector-Borne and Zoonotic Diseases* Volume 13, Issue 10, 1 October 2013, Pages 762-768, SCOPUS
5. [1.2] Havlíková, S.a , Licková, M.a, Klempa, B. Non-viraemic transmission of tick-borne viruses *Acta Virologica* , Volume 57, Issue 2, 2013, Pages 123-129, SCOPUS
6. [1.2] Dupuis li, A.P.a , Peters, R.J.a , Prusinski, M.A.b , Falco, R.C.c , Ostfeld, R.S.d , Kramer, L.D. Isolation of deer tick virus (Powassan virus, lineage II) from *Ixodes scapularis* and detection of antibody in vertebrate hosts sampled in the Hudson Valley, New York State *Parasites and Vectors* Volume 6, Issue 1, 2013, Article number 185, SCOPUS

ADCA189 LABUDA, Milan - KOŽUCH, Otto - ŽUFFOVÁ, Eva - ELEČKOVÁ, Elena - HAILS, S.R. - NUTTALL, Patricia A. Tick-borne encephalitis virus transmission between ticks co-feeding of specific immune natural rodents hosts. In *Virology*, 1997, vol. 235, no. 1, p. 138-143 DOI: 10.1006/viro.1997.8622. (3.612 - IF1996). (1997 - Current Contents). ISSN 0042-6822.

Ohlasy:

1. [1.2] Tonteri, E.abc , Kipar, A.def, Voutilainen, L.ag, Vene, S.c, Vaheri, A.ah, Vapalahti, O.afh, Lundkvist, Å. The three subtypes of tick-borne encephalitis virus induce encephalitis in a natural host, the bank vole (*Myodes glareolus*) *PLoS ONE* Volume 8, Issue 12, 13 December 2013, Article number e81214, SCOPUS
2. [1.2] Pintér, R.ab, Madai, M.ab, Vadkerti, E.b, Németh, V.ab, Oldal, M.ab, Kemenesi, G.ab, Dallos, B.ab, Gyuranecz, M.c, Kiss, G.d, Bányai, K.c, Jakab, F. Identification of tick-borne encephalitis virus in ticks collected in southeastern Hungary (Article) *Ticks and Tick-borne Diseases* Volume 4, Issue 5, September 2013, Pages 427-431, SCOPUS
3. [1.2] Havlíková, S.a , Licková, M.a, Klempa, B. Non-viraemic transmission of tick-borne viruses *Acta Virologica* Volume 57, Issue 2, 2013, Pages 123-129, SCOPUS
4. [1.2] Dupuis li, A.P.a , Peters, R.J.a , Prusinski, M.A.b , Falco, R.C.c , Ostfeld, R.S.d , Kramer, L.D. Isolation of deer tick virus (Powassan virus, lineage II) from *Ixodes scapularis* and detection of antibody in vertebrate hosts sampled in the Hudson Valley, New York State *Parasites and Vectors* Volume 6, Issue 1, 2013, Article number 185, SCOPUS
5. [1.2] Knap, N., Avšič-Županc, T. Correlation of TBE Incidence with Red Deer and Roe Deer Abundance in Slovenia *PLoS ONE* Volume 8, Issue 6, 11 June 2013, Article number e66380, SCOPUS
6. [1.2] Carrington, C.V.F.a , Auguste, A.J. Evolutionary and ecological factors underlying the tempo and distribution of yellow fever virus activity nfection, *Genetics and Evolution* Volume 13, Issue 1, January 2013, Pages 198-210, SCOPUS

ADCA190 LABUDA, Milan - ELEČKOVÁ, Elena - LIČKOVÁ, Martina - SABÓ, Alexander. Tick-borne encephalitis virus foci in Slovakia. In *International Journal of Medical Microbiology*, 2002, vol. 291, suppl. 33, p. 43-47. (1.362 - IF2001). (2002 - Current Contents). ISSN 1438-4221.

Ohlasy:

1. [1.1] KLAUS, C. - HOERUEGEL, U. - HOFFMANN, B. - BEER, M. Tick-borne encephalitis virus (TBEV) infection in horses: Clinical and laboratory findings and epidemiological investigations. In *VETERINARY MICROBIOLOGY*. ISSN 0378-1135, MAY 3 2013, vol. 163, no. 3-4, p. 368-372., WOS
2. [1.1] ZOELDI VIKTOR - FERENCZI EMOKE - EGYED LASZLO. Milk transmitted tick-borne encephalitis epidemics in Hungary. In *MAGYAR ALLATORVOSOK LAPJA*. ISSN 0025-004X, JAN 2013,

vol. 135, no. 1, p. 48-56., WOS

3. [1.2] Pfäffle, M., Littwin, N., Muders, S.V., Petney, T.N. The ecology of tick-borne diseases International Journal for Parasitology Volume 43, Issue 12-13, November 2013, Pages 1059-1077, SCOPUS

4. [1.2] Weidmann, M.a, Frey, S.b, Freire, C.C.M.c, Essbauer, S.b, Růžek, D.de, Klempa, B.fg, Zubrikova, D.h, Vögerl, M.i, Pfeffer, M.j, Hufert, F.T.a, Zanotto, P.M.c, Dobler, G. Molecular phylogeography of tick-borne encephalitis virus in central Europe Journal of General Virology Volume 94, Issue PART9, September 2013, Pages 2129-2139, SCOPUS

5. [1.2] Knap, N., Avšič-Županc, T. Correlation of TBE Incidence with Red Deer and Roe Deer Abundance in Slovenia PLoS ONE Volume 8, Issue 6, 11 June 2013, Article number e66380, SCOPUS

ADCA191 LABUDOVIČ, Martina - TOMÁŠKOVÁ, Jana - ŠKULTÉTY, Ľudovít - PASTOREK, Jaromír - PASTOREKOVÁ, Silvia. The nucleoprotein of lymphocytic choriomeningitis virus facilitates spread of persistent infection through stabilization of the keratin network. In *Journal of Virology*, 2009, vol. 83, no. 16, p. 7842 - 7849. (5.308 - IF2008). (2009 - Current Contents). ISSN 0022-538X.

Ohlasy:

1. [1.1] Zhu, CX (Zhu, Caixia)[1] ; Bai, YJ (Bai, Yajie)[1] ; Liu, QY (Liu, Qiyong)[3] ; Li, DM (Li, Dongmei)[3] ; Hong, JH (Hong, Jiehua)[1] ; Yang, ZB (Yang, Zhibiao)[1] ; Cui, L (Cui, Li)[1] ; Hua, XG (Hua, Xiuguo)[2] ; Yuan, CL (Yuan, Congli)[1] Depolymerization of Cytokeratin Intermediate Filaments Facilitates Intracellular Infection of HeLa Cells by Bartonella henselae JOURNAL OF INFECTIOUS DISEASES Volume: 207 Issue: 9 Pages: 1397-1405 DOI: 10.1093/infdis/jit040 Published: MAY 1 2013, WOS
2. [1.1] Han, M (Han, Mei)[2] ; Fan, L (Fan, Lin)[1] ; Qin, ZQ (Qin, Zhiqiang)[1] ; Lavingia, B (Lavingia, Bhavna)[2] ; Stastny, P (Stastny, Peter)[1] Alleles of keratin 1 in families and populations HUMAN IMMUNOLOGY Volume: 74 Issue: 11 Pages: 1453-1458 Special Issue: SI 2013, WOS

ADCA192 LACKOVIČ, Vladimír - BORECKÝ, Ladislav - VIGAŠ, Milan - ROVENSKÝ, Jozef. Activation of NK-cells in subjects exposed to mild Hyper- or Hypothermic load. In *Journal of Interferon Research*, 1988, vol. 3, no. 8, p. 393-402. ISSN 1079-9907.

Ohlasy:

1. [1.1] Fares, A Factors influencing the seasonal patterns of infectious diseases International Journal of Preventive Medicine Volume 4, Issue 2, February 2013, Pages 128-132, WOS

ADCA193 LANGLEY, W.A. - THOENNES, S. - BRADLEY, K.C. - GALLOWAY, S.E. - TALEKAR, G.R. - CUMMINGS, S.F. - VAREČKOVÁ, Eva - RUSSELL, R.J. - STEINHAUER, D.A. Single residue deletions along the length of the influenza HA fusion peptide lead to inhibition of membrane fusion function. In *Virology*, 2009, vol. 394, p. 321 - 330. (3.539 - IF2008). (2009 - Current Contents). ISSN 0042-6822.

Ohlasy:

1. [1.1] Gutierrez, RA (Gutierrez, Ramona Alilditeaga)[1] ; Viari, A (Viari, Alain)[2] ; Godelle, B (Godelle, Bernard)[3] ; Frutos, R (Frutos, Roger)[4] ; Buchy, P Biased mutational pattern and quasispecies hypothesis in H5N1 virus INFECTION GENETICS AND EVOLUTION Volume: 15 Pages: 69-76, 2013, WOS
2. [1.1] Larsson, Per; Kasson, Peter M. Lipid Tail Protrusion in Simulations Predicts Fusogenic Activity of Influenza Fusion Peptide Mutants and Conformational Models PLOS COMPUTATIONAL BIOLOGY Volume: 9 Issue: 3 Article Number: e1002950 Published: MAR 2013, WOS

ADCA194 LAZAROVÁ, Z. - KAZÁR, Ján - AUXTOVA-SAMAJOVA, O. - ROLLOVÁ, I. - KRUPPOVA, M. - PEC, J. Azithromycin Summareed Pliva in the treatment of Chlamydial genital tract infections in infertile marriages. In *International Journal STD AIDS*, 1992, roč., č. 2, s. 448-451.

Ohlasy:

1. [1.1] Sun Li-quan (slq@bit.edu.cn) ; Fu Yan-jie; Liu Cong; Yao Guo-wei Progress in research of related substances of azithromycin Zhongguo Kangshengsu Zazhi Volume:38 Issue:5 Pages:393-S1, 2013, WOS

ADCA195 LEFEBVRE, L. - VANDERPLASSCHEN, A. - CIMINALE, V. - HEREMANS, H. - DANGOISSE, O. - JAUNIAUX, J.C. - TOUSSAINT, J.F. - ZELNÍK, Vladimír - BURNY, A. - KETTMANN, R. - WILLEMS, L. Oncoviral bovine leukemia virus G4 and human T-cell leukemia virus type 1 p13(II) accessory proteins interact with farnesyl pyrophosphate synthetase. In *Journal of Virology*. - Washington : American Society for Microbiology, 2002, vol. 76, no. 3, p. 1400-1414. (5.622 - IF2001). (2002 - Current Contents). ISSN 0022-538X.

Ohlasy:

1. [1.1] El Hajj, H (El Hajj, Hiba)[1] ; Nasr, R (Nasr, Rihab)[1] ; Kfoury, Y (Kfoury, Youmna)[1] ; Dassouki, Z (Dassouki, Zeina)[1] ; Nasser, R (Nasser, Roudaina)[1] ; Kchour, G (Kchour, Ghada)[1] ; Hermine, O (Hermine, Olivier)[2] ; de Thee, H (de The, Hugues)[3] ; Bazarbachi, A Animal models on HTLV-1 and related viruses: what did we learn? FRONTIERS IN MICROBIOLOGY Volume: 3 , Article Number: 333, 2012, WOS
2. [1.1] Aida, Y (Aida, Yoko)[1] ; Murakami, H (Murakami, Hironobu)[1,2] ; Takahashi, M (Takahashi, Masahiko)[3] ; Takeshima, SN Mechanisms of pathogenesis induced by bovine leukemia virus as a model for human T-cell leukemia virus FRONTIERS IN MICROBIOLOGY Volume: 4, Article Number: 328, 2013, WOS
3. [1.1] Moratorio, G (Moratorio, Gonzalo)[1,2] ; Fischer, S (Fischer, Sabrina)[1,2] ; Bianchi, S (Bianchi, Sergio)[1,3] ; Tome, L (Tome, Lorena)[1,4] ; Rama, G (Rama, Gonzalo)[1,5] ; Obal, G (Obal, Gonzalo)[1,4] ; Carrion, F (Carrion, Federico)[1] ; Pritsch, O (Pritsch, Otto)[1,4] ; Cristina, J A detailed molecular analysis of complete Bovine Leukemia Virus genomes isolated from B-cell lymphosarcomas VETERINARY RESEARCH Volume: 44 Article Number: 19, 2013, WOS

ADCA196 LENČEŠOVÁ, Ľubomíra - ŠÍROVÁ, Marta - CSÁDEROVÁ, Lucia - LAUKOVÁ, Marcela - SULOVIÁ, Zdena - KVETŇANSKÝ, Richard - KRIŽANOVÁ, Oľga. Changes and role of adrenoceptors in PC12 cell after phenylephrine administration and apoptosis induction. In *Neurochemistry International*, 2010, vol. 57, p. 884-892. (3.541 - IF2009). (2010 - Current Contents). ISSN 0197-0186.

Ohlasy:

1. [1.1] JIA, Jin-Jing - ZENG, Xian-Si - LI, Ye - MA, Sha - BAI, Jie. Ephedrine induced thioredoxin-1 expression through beta-adrenergic receptor/cyclic AMP/protein kinase A/dopamine- and cyclic AMP-regulated phosphoprotein signaling pathway. In *CELLULAR SIGNALLING*. ISSN 0898-6568, 2013, vol. 25, no. 5, pp. 1194., WOS

ADCA197 LENČEŠOVÁ, Ľubomíra - HUDECOVÁ, Soňa - CSÁDEROVÁ, Lucia - MARKOVÁ, Jana - ŠOLTÝSOVÁ, Andrea - PASTOREK, Michal - SEDLÁK, Ján - WOOD, M.E. - WHITEMAN, Mathew - ONDRIAŠ, Karol - KRIŽANOVÁ, Oľga. Sulphide signalling potentiates apoptosis through the up-regulation of IP3 receptors types 1 and 2. In *Acta Physiologica : official journal of the Federation of European Physiological Societies*, 2013, vol. 208, no. 4, p. 350-361. (4.382 - IF2012). (2013 - Current Contents). ISSN 1748-1708.

Ohlasy:

1. [1.1] Castro-Piedras, Isabel; Perez-Zoghbi, Jose F. Hydrogen sulphide inhibits Ca²⁺ release through InsP(3) receptors and relaxes airway smooth muscle JOURNAL OF PHYSIOLOGY-LONDON Volume: 591 Issue: 23 Pages: 5999-6015 Published: DEC 1 2013, WOS

ADCA198 LEPPILAMPI, M. - SAARNIO, J. - KARTTUNEN, T.J. - KIVELÄ, J. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - WAHEED, A. - SLY, W.S. - PARKKILA, S. Carbonic anhydrase isozymes IX and XII in gastric tumors. In *World Journal of Gastroenterology*. - Beijing : W. J. G. Press, 2003, vol.9, p.1398 - 1403. (2.532 - IF2002). (2003 - Current Contents). ISSN 1007-9327.

Ohlasy:

1. [1.1] Gondi, G (Gondi, Gabor)[1] ; Mysliwietz, J (Mysliwietz, Josef)[2] ; Hulikova, A (Hulikova, Alzbeta)[4] ; Jen, JP (Jen, Jian Ping)[4] ; Swietach, P (Swietach, Pawel)[4] ; Kremmer, E (Kremmer, Elisabeth)[2] ; Zeidler, R Antitumor Efficacy of a Monoclonal Antibody That Inhibits the Activity of Cancer-Associated Carbonic Anhydrase XII CANCER RESEARCH Volume: 73 Issue: 21 Pages: 6494-6503, 2013, WOS
2. [1.1] Lounnas, N (Lounnas, Nadia)[1,2] ; Rosilio, C (Rosilio, Celia)[1,2] ; Nebout, M (Nebout, Marielle)[1,2] ; Mary, D (Mary, Didier)[1,2] ; Griessinger, E (Griessinger, Emmanuel)[1,2] ; Neffati,

Z (Neffati, Zouhour)[1,2] ; Chiche, J (Chiche, Johanna)[2,3] ; Spits, H (Spits, Hergen)[4] ; Hagenbeek, TJ (Hagenbeek, Thijs J.)[5] ; Asnafi, V (Asnafi, Vahid)[6,7] ; Poulsen, SA (Poulsen, Sally-Ann)[8] ; Supuran, CT (Supuran, Claudiu T.)[9] ; Peyron, JF (Peyron, Jean-Francois)[1,2,10,11] ; Imbert, V Pharmacological inhibition of carbonic anhydrase XII interferes with cell proliferation and induces cell apoptosis in T-cell lymphomas CANCER LETTERS Volume: 333 Issue: 1 Pages: 76-88, 2013, WOS
 3. [1.1] Gieling, Roben G.; Williams, Kaye J. Carbonic anhydrase IX as a target for metastatic disease BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1470-1476
 Published: MAR 15 2013, WOS

ADCA199 LEPPILAMPI, M. - KARTTUNEN, T.J. - KIVELÄ, J. - ORTOVA GUT, M. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - PARKKILA, S. Gastric pit cell hyperplasia and granular atrophy in carbonic anhydrase IX knockout mice: studies on two strains C57/BL6 and BALB/C. In *Transgenic Research*. - GZ DORDRE, Netherland : Springer, 2005, vol.14, no.5, p.655-663. (2.107 - IF2004). ISSN 0962-8819.

Ohlasy:

1. [1.1] Mikami, Y (Mikami, Yoshiki)[1] ; Minamiguchi, S (Minamiguchi, Sachiko)[1] ; Teramoto, N (Teramoto, Norihiro)[2] ; Nagura, M (Nagura, Michikazu)[3] ; Haga, H (Haga, Hironori)[1] ; Konishi, I Carbonic anhydrase type IX expression in lobular endocervical glandular hyperplasia and gastric-type adenocarcinoma of the uterine cervix PATHOLOGY RESEARCH AND PRACTICE Volume: 209 Issue: 3 Pages: 173-178, 2013, WOS

ADCA200 LEPPILAMPI, M. - KOISTINEN, P. - SAVOLAINEN, E.R. - HANNUKSELA, J. - PARKKILA, A.K. - NIEMELA, O. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - WAHEED, A. - SLY, W.S. - PARKKILA, S. - RAJANIEMI, H. The expression of carbonic anhydrase II in hematological malignancies. In *Clinical Cancer Research*, 2002, vol. 8, no. 7, p. 2240 - 2245. (5.076 - IF2001). (2002 - Current Contents).

Ohlasy:

1. [1.1] Kato, Y (Kato, Yasumasa)[1] ; Ozawa, S (Ozawa, Shigeyuki)[2] ; Miyamoto, C (Miyamoto, Chihiro)[3] ; Maehata, Y (Maehata, Yojiro)[3] ; Suzuki, A (Suzuki, Atsuko)[1] ; Maeda, T (Maeda, Toyonobu)[1] ; Baba, Y Acidic extracellular microenvironment and cancer CANCER CELL INTERNATIONAL Volume: 13, Article Number: 89, 2013, WOS
 2. [1.1] Lounnas, N (Lounnas, Nadia)[1,2] ; Rosilio, C (Rosilio, Celia)[1,2] ; Nebout, M (Nebout, Marielle)[1,2] ; Mary, D (Mary, Didier)[1,2] ; Griessinger, E (Griessinger, Emmanuel)[1,2] ; Neffati, Z (Neffati, Zouhour)[1,2] ; Chiche, J (Chiche, Johanna)[2,3] ; Spits, H (Spits, Hergen)[4] ; Hagenbeek, TJ (Hagenbeek, Thijs J.)[5] ; Asnafi, V (Asnafi, Vahid)[6,7] ; Poulsen, SA (Poulsen, Sally-Ann)[8] ; Supuran, CT (Supuran, Claudiu T.)[9] ; Peyron, JF (Peyron, Jean-Francois)[1,2,10,11] ; Imbert, V Pharmacological inhibition of carbonic anhydrase XII interferes with cell proliferation and induces cell apoptosis in T-cell lymphomas CANCER LETTERS Volume: 333 Issue: 1 Pages: 76-88, 2013, WOS
 3. [1.1] Liu, LC (Liu, Li-Cheng)[1] ; Xu, WT (Xu, Wen-Tong)[1] ; Wu, X (Wu, Xin)[1] ; Zhao, P (Zhao, Po)[2] ; Lv, YL (Lv, Ya-Li)[2] ; Chen, L Overexpression of carbonic anhydrase II and Ki-67 proteins in prognosis of gastrointestinal stromal tumors WORLD JOURNAL OF GASTROENTEROLOGY Volume: 19 Issue: 16 Pages: 2473-2480, 2013, WOS
 4. [1.1] Sheng, WW (Sheng, Weiwei)[1] ; Dong, M (Dong, Ming)[1] ; Zhou, JP (Zhou, Jianping)[1] ; Li, X (Li, Xin)[1] ; Dong, Q Down regulation of CAII is associated with tumor differentiation and poor prognosis in patients with pancreatic cancer JOURNAL OF SURGICAL ONCOLOGY Volume: 107 Issue: 5 Pages: 536-543, 2013, WOS

ADCA201 LI, A. - SAKAGUCHI, S. - ATARASHI, R. - ROY, B.C. - NAKAOKE, R. - ARIMA, K. - OKIMURA, N. - KOPÁČEK, Juraj - SHIGEMATSU, K. Identification of a novel Gene Encoding a PrP-Like Protein Expressed as Chimeric Transcripts Fused to PrP Exon 1/2 in Ataxic Mouse Line with a disrupted PrP Gene. In *Cellular and Molecular Neurobiology*, 2000, vol. 20, no. 5, p. 553 - 567. (2.093 - IF1999).

Ohlasy:

1. [1.1] Scalabrino, Giuseppe; Veber, Daniela Cobalamin and normal prions: A new horizon for

cobalamin neurotrophism BIOCHIMIE Volume: 95 Issue: 5 Pages: 1041-1046 Published: MAY 2013, WOS

ADCA202 LI, A. - SAKAGUCHI, S. - SHIGEMATSU, K. - ATARASHI, R. - ROY, B.C. - NAKAOKE, R. - ARIMA, K. - OKIMURA, N. - KOPÁČEK, Juraj - KATAMINE, S. Physiological Expression of the Gene for PrP-Like Protein PrPLP/Dpl, by Brain Endothelial Cell and its Ectopic Expression in Neurons of PrP-Deficient Mice Ataxic Due to Purkinje Cell Degeneration. In *American Journal of Pathology*, 2000, vol. 157, no. 5, p. 1447-1452. (6.436 - IF1999). (2000 - Current Contents).

Ohlasy:

1. [1.1] Qin, KF (Qin, Kefeng)[1,2,3] ; Ding, TB (Ding, Tianbing)[2] ; Xiao, Y (Xiao, Yi)[2] ; Ma, WY (Ma, Wenyu)[2] ; Wang, Z (Wang, Zhen)[1] ; Gao, JM (Gao, Jimin)[1] ; Zhao, LL Differential Responses of Neuronal and Spermatogenic Cells to the Doppel Cytotoxicity PLOS ONE , Volume: 8 Issue: 12, Article Number: e82130, 2013, WOS

ADCA203 LI, D.S. - PASTOREK, Jaromír - ZELNÍK, Vladimír - SMITH, G.D. - ROOS, L.N.J. Identification of novel transcriptions complementary to the Mareks disease virus homologue of the ICP4 gene of herpes simplex virus. In *Journal of General Virology*, 1994, vol. 75, p. 1713-1722. (3.065 - IF1993). (1994 - Current Contents). ISSN 0022-1317.

Ohlasy:

1. [1.1] Nair, Venugopal Latency and Tumorigenesis in Marek's Disease AVIAN DISEASES Volume: 57 Issue: 2 Supplement: 1 Pages: 360-365 Published: JUN 2013, WOS

ADCA204 LIAO, S.Y. - BREWER, C.A. - ZÁVADA, Ján - PASTOREK, Jaromír - PASTOREKOVÁ, Silvia - MANETTA, A. - BERMAN, M.L. - DISAIA, P.J. - STANBRIDGE, E.J. Identification of the MN antigen as a reliable diagnostic biomarker of cervical intraepithelial squamous and glandular neoplasia /CIN, AIS/ and cervical carcinomas. In *American Journal of Pathology : Official Journal of The American Association of Pathologists*, 1994, vol. 145, p. 598 - 609. (5.698 - IF1993).

Ohlasy:

1. [1.1] Yoshimura, Kazuhiro; Uemura, Hirotugu Role of vaccine therapy for renal cell carcinoma in the era of targeted therapy INTERNATIONAL JOURNAL OF UROLOGY Volume: 20 Issue: 8 Pages: 744-755 Published: AUG 2013, WOS
2. [1.1] Gieling, Roben G.; Williams, Kaye J. Carbonic anhydrase IX as a target for metastatic disease BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1470-1476 Published: MAR 15 2013, WOS
3. [1.1] Mikami, Y (Mikami, Yoshiki)[1] ; Minamiguchi, S (Minamiguchi, Sachiko)[1] ; Teramoto, N (Teramoto, Norihiro)[2] ; Nagura, M (Nagura, Michikazu)[3] ; Haga, H (Haga, Hironori)[1] ; Konishi, I Carbonic anhydrase type IX expression in lobular endocervical glandular hyperplasia and gastric-type adenocarcinoma of the uterine cervix PATHOLOGY RESEARCH AND PRACTICE Volume: 209 Issue: 3 Pages: 173-178, 2013, WOS

ADCA205 LIPTÁKOVÁ, Hana - KONTSEKOVÁ, Eva - ALCAMÍ, A. - SMITH, G.L. - KONTSEK, Peter. Analysis of an interaction between the soluble vaccinia-virus coded type I interferon /IFN/-receptor and human IFN/alpha 1 and IFN-alpha 2. In *Virology*, 1997, vol. 232, no. 1, p. 86 - 90. (3.612 - IF1996). (1997 - Current Contents). ISSN 0042-6822.

Ohlasy:

1. [1.2] Wie, S.-H.a, Du, P.b, Luong, T.Q.b, Rought, S.E.b, Beliakova-Bethell, N.c, Lozach, J.d, Corbeil, J.e, Kornbluth, R.S.f, Richman, D.D.bcg, Woelk, C.H.b HIV downregulates interferon-stimulated genes in primary macrophages Journal of Interferon and Cytokine Research Volume 33, Issue 2, 1 February 2013, Pages 90-95, SCOPUS
2. [1.2] Mandal, P.K.ab, Rossi, D.J. Reprogramming human fibroblasts to pluripotency using modified mRNA Nature Protocols Volume 8, Issue 3, February 2013, Pages 568-582, SCOPUS

ADCA206 LONCASTER, J.A. - HARRIS, Adrian L. - DAVIDSON, S.E. - LOGUE, J.P. - HUNTER, R.D. - WYKOFF, Charles C. - PASTOREK, Jaromír - RATCLIFFE, Peter J. - STRATFORD, I.J. - WEST, C.M. Carbonic

anhydrase /CA IX/ expression, a potential new intrinsic marker of hypoxia: correlations with tumor oxygen measurements and prognosis in locally advanced carcinoma of the cervix. In *Cancer Research*. - Birmingham : Amer.Assoc.Cancer Research, 2001, vol. 61, p. 6394-6399. (8.460 - IF2000). (2001 - Current Contents). ISSN 008-5472.

Ohlasy:

1. [1.1] Taddei, M.L.a, Giannoni, E.a, Comito, G.a, Chiarugi, P. Microenvironment and tumor cell plasticity: An easy way out *Cancer Letters* Volume 341, Issue 1, 28 November 2013, Pages 80-96, WOS
2. [1.1] Pozzebon, M.E.ae, Varadaraj, A.a, Mattoscio, D.a, Jaffray, E.G.b, Miccolo, C.a, Galimberti, V.c, Tommasino, M.d, Hay, R.T.b, Chiocca, S. BC-box protein domain-related mechanism for VHL protein degradation *Proceedings of the National Academy of Sciences of the United States of America* Volume 110, Issue 45, 5 November 2013, Pages 18168-18173, WOS
3. [1.1] Wandzilak, A.a , Czyzycki, M.ab, Wrobel, P.a, Szczerbowska-Boruchowska, M.a, Radwanska, E.c, Adamek, D.c, Lankosz, M. The oxidation states and chemical environments of iron and zinc as potential indicators of brain tumour malignancy grade-preliminary results *Metallomics* Volume 5, Issue 11, November 2013, Pages 1547-1553, WOS
4. [1.1] Flavahan, W.A.ab, Wu, Q.b, Hitomi, M.b, Rahim, N.b, Kim, Y.b, Sloan, A.E.cde, Weil, R.J.fg, Nakano, I.h, Sarkaria, J.N.i, Stringer, B.W.j, Day, B.W.j, Li, M.k, Lathia, J.D.abk, Rich, J.N.ab , Hjelmeland, A.B. Brain tumor initiating cells adapt to restricted nutrition through preferential glucose uptake *Nature Neuroscience* Volume 16, Issue 10, October 2013, Pages 1373-1382, WOS
5. [1.2] Moreno-Acosta, P.a , Carrillo, S.a, Gamboa, O.b, Acosta, Y.c, Balart-Serra, J.d, Magne, N.e, Melo-Urbe, M.A.f, Romero-Rojas, A.E. Expression of the hypoxic and glycolytic markers, CAIX, GLUT-1 and HKII and their association with early treatment response in squamous cell carcinomas of the uterine cervix [Expresión de marcadores hipóxicos y glucolíticos CAIX, GLUT-1, HKII y su relación con la respuesta temprana al tratamiento en carcinoma escamocelular de cuello uterino] *Progresos de Obstetricia y Ginecología* Volume 56, Issue 8, October 2013, Pages 404-413, SCOPUS
6. [1.1] Huang, M.-Y.abc, Wang, J.-Y.bde , Lin, S.-R. CA9 and CHRN1 were correlated with perineural invasion in Taiwanese colorectal cancer patients *Biomarkers and Genomic Medicine* Volume 5, Issue 3, September 2013, Pages 84-86, WOS
7. [1.1] Rademakers, S.E.a , Hoogsteen, I.J.a, Rijken, P.F.a, Oosterwijk, E.b, Terhaard, C.H.c, Doornaert, P.A.d, Langendijk, J.A.e, Van Den Ende, P.f, Takes, R.g, De Bree, R.h, Van Der Kogel, A.J.a, Bussink, J.a, Kaanders, J.H. Pattern of CAIX expression is prognostic for outcome and predicts response to ARCON in patients with laryngeal cancer treated in a phase III randomized trial *Radiotherapy and Oncology* Volume 108, Issue 3, September 2013, Pages 517-522, WOS
8. [1.1] Alatrash, G., Molldrem, J.J. Tumor-associated Antigens *Immune Biology of Allogeneic Hematopoietic Stem Cell Transplantation* 2013, Pages 143-164, SCOPUS
9. [1.1] Hwang-Versluis, W.W.a, Chang, P.-H.a, Jeng, Y.-M.b, Kuo, W.-H.c, Chiang, P.-H.a, Chang, Y.-C.a, Hsieh, T.-H.a, Su, F.-Y.a, Lin, L.-C.a, Abbondante, S.d, Yang, C.-Y.a, Hsue, H.-M.e, Yu, J.-C.e, Chang, K.-J.f, Shewa, J.-Y.a, Lee, E.Y.-H.P.ad, Lee, W.-H. Loss of corepressor PER2 under hypoxia up-regulates OCT1-mediated EMT gene expression and enhances tumor malignancy *Proceedings of the National Academy of Sciences of the United States of America* Volume 110, Issue 30, 23 July 2013, Pages 12331-12336, WOS
10. [1.1] Zhu, Y.ac, Zhou, X.-Y.bc, Yao, X.-D.ac, Zhang, S.-L.ac, Dai, B.ac, Zhang, H.-L.ac, Shen, Y.-J.ac, Ye, D.-W. Prognostic value of carbonic anhydrase IX expression in penile squamous cell carcinoma: A pilot study *Urologic Oncology: Seminars and Original Investigations* Volume 31, Issue 5, July 2013, Pages 706-711, WOS
11. [1.1] Kim, S., Jung, W.H., Koo, J.S. The expression of Glut-1, CAIX, and MCT4 in Mucinous carcinoma *Journal of Breast Cancer* Volume 16, Issue 2, June 2013, Pages 146-151, WOS
12. [1.1] Schütze, D.a, Milde-Langosch, K.a, Witzel, I.a, Rody, A.b, Karn, T.c, Schmidt, M.d, Choschick, M.e, Jänicke, F.a, Müller, V. Relevance of cellular and serum carbonic anhydrase IX in primary breast cancer *Journal of Cancer Research and Clinical Oncology* Volume 139, Issue 5, May 2013, Pages 747-754, WOS
13. [1.1] Gadducci, A.a , Guerrieri, M.E.a, Greco, C. Tissue biomarkers as prognostic variables of cervical cancer *Critical Reviews in Oncology/Hematology* Volume 86, Issue 2, May 2013,

Pages 104-129, WOS

14. [1.1] Chen, M.-C.a, Lee, C.-F.b, Huang, W.-H.c, Chou, T.-C. Magnolol suppresses hypoxia-induced angiogenesis via inhibition of HIF-1 α /VEGF signaling pathway in human bladder cancer cells *Biochemical Pharmacology* Volume 85, Issue 9, 1 May 2013, Pages 1278-1287, WOS
15. [1.1] Park, S.I.a, Suh, D.S.bc, Kim, S.-J.cd, Choi, K.U.ce, Yoon, M.-S. Correlation between biological marker expression and 18F- fluorodeoxyglucose uptake in cervical cancer measured by positron emission tomography *Onkologie* Volume 36, Issue 4, April 2013, Pages 169-174, WOS
16. [1.1] Gieling, R.G. , Williams, K.J. Carbonic anhydrase IX as a target for metastatic disease *Bioorganic and Medicinal Chemistry* Volume 21, Issue 6, 15 March 2013, Pages 1470-1476, WOS
17. [1.1] Sarek, G.a, Ma, L.a, Enbäck, J.b, Järviluoma, A.c, Moreau, P.d, Haas, J.ef, Gessain, A.g, Koskinen, P.J.h, Laakkonen, P.bi , Ojala, P.M. Kaposi's sarcoma herpesvirus lytic replication compromises apoptotic response to p53 reactivation in virus-induced lymphomas *Oncogene* Volume 32, Issue 9, 28 February 2013, Pages 1091-1098, WOS
18. [1.1] Ostheimer, C., Vordermark, D. Osteopontin - an indicator of tumor hypoxia and treatment resistance *Hypoxia: Causes, Types and Management* January 2013, Pages 255-318, WOS
19. [1.1] Shan, X.ab, Wang, D.a , Chen, J.b, Xiao, X.b, Jiang, Y.a, Wang, Y.b, Fan, Y. Necrosis degree displayed in computed tomography images correlated with hypoxia and angiogenesis in breast cancer *Journal of Computer Assisted Tomography* Volume 37, Issue 1, January 2013, Pages 22-28, WOS
20. [1.1] Douglas, CM (Douglas, C. M.)[1,2] ; Bernstein, JM (Bernstein, J. M.)[1,3,4] ; Ormston, VE (Ormston, V. E.)[2] ; Hall, RC (Hall, R. C.)[5] ; Merve, A (Merve, A.)[2] ; Swindell, R (Swindell, R.)[6] ; Valentine, HR (Valentine, H. R.)[2] ; Slevin, NJ (Slevin, N. J.)[2] ; West, CML (West, C. M. L.)[2] ; Homer, JJ Lack of Prognostic Effect of Carbonic Anhydrase-9, Hypoxia Inducible Factor-1 alpha and Bcl-2 in 286 Patients with Early Squamous Cell Carcinoma of the Glottic Larynx Treated with Radiotherapy *CLINICAL ONCOLOGY* Volume: 25 Issue: 1 Pages: 59-65, 2013, WOS

ADCA207 LUKÁČOVÁ, Magdaléna - MELNIČÁKOVÁ, Jana - KAZÁR, Ján. Cross-reactivity between *Coxiella burnetii* and *Chlamydiae*. In *Folia Microbiologica : International Journal for general Enviromental and Applied Microbiology, and Immunology*, 1999, vol. 44, no. 5, p. 579-584. (0.518 - IF1998). (1999 - Current Contents). ISSN 0015-5632.

Ohlasy:

1. [1.2] Lai, C.-H.abc, Chang, L.-L.ad, Lin, J.-N.ab, Chen, W.-F.c, Kuo, L.-L.ae, Lin, H.-H.bf, Chen, Y.-H. High Seroprevalence of *Mycoplasma pneumoniae* IgM in Acute Q Fever by Enzyme-Linked Immunosorbent Assay (ELISA) *PLoS ONE* Volume 8, Issue 10, 17 October 2013, Article number e77640, SCOPUS
2. [1.2] Paul, S.a , Toft, N.a, Agerholm, J.S.a, Christoffersen, A.-B.b, Agger, J.F. Bayesian estimation of sensitivity and specificity of *Coxiella burnetii* antibody ELISA tests in bovine blood and milk *Preventive Veterinary Medicine* Volume 109, Issue 3-4, 1 May 2013, Pages 258-263, SCOPUS
3. [1.2] Sykes, J.E.a, Norris, J.M. *Coxiellosis and Q Fever* (Book Chapter) *Canine and Feline Infectious Diseases* August 2013, Pages 320-325, SCOPUS

ADCA208 LUKÁČOVÁ, Magdaléna - BARÁK, Imrich - KAZÁR, Ján. Role of structural variations of polysaccharide antigens in the. In *Clinical Microbiology and Infection*, 2008, vol. 14, p. 200–206. (2.980 - IF2007). (2008 - Current Contents). ISSN 1198-743X.

Ohlasy:

1. [1.2] Dhara, D., Misra, A.K. Expedient synthesis of a tetrasaccharide and a pentasaccharide corresponding to the cell wall O-antigen of *Escherichia coli* O77 and *Escherichia coli* O17 *Tetrahedron Asymmetry* Volume 24, Issue 23, 15 December 2013, Pages 1488-1494, SCOPUS
2. [1.1] ZHOU, D.W. - UTKINA, N. - LI, D.G. - DONG, C.Y. - DRUZHININA, T. - VESELOVSKY, V. - LIU, B. Biochemical characterization of a new β -1,3-galactosyltransferase WbuP from *Escherichia coli* O114 that catalyzes the second step in O-antigen repeating-unit In *CARBOHYDRATE RESEARCH*. NOV 15 2013, vol. 381, p. 43-50., WOS
3. [1.1] INZANA, T.J. Identification of phase-variable genes that may contribute to nontypeable

haemophilus influenzae nasopharyngeal colonization in humans contributes to our understanding of specific host-pathogen interactions In JOURNAL OF INFECTIOUS DISEASES. SEP 1 2013, vol. 208, no. 5, p. 713-716., WOS

4. [1.1] DAVIES, M.R. - BROADBENT, S.E. - HARRIS, S.R. - THOMSON, N.R. - VAN DER WOUDE, M.W. Horizontally Acquired Glycosyltransferase Operons Drive Salmonellae Lipopolysaccharide Diversity In PLOS GENETICS. JUN 2013, vol. 9, no. 6. Article number e1003568, WOS

5. [1.1] YANG, Y. - OISHI, S. - MARTIN, C.E. - SEEBERGER, P.H. Diversity-oriented synthesis of inner core oligosaccharides of the lipopolysaccharide of pathogenic gram-negative bacteria In JOURNAL OF THE AMERICAN CHEMICAL SOCIETY. APR 24 2013, vol. 135, no. 16, p. 6262-6271., WOS

6. [1.1] SAINI, G. - CHAN, C.S. Near-neutral surface charge and hydrophilicity prevent mineral encrustation of Fe-oxidizing micro-organisms In GEOBIOLOGY. MAR 2013, vol. 11, no. 2, p. 191-200., WOS

7. [1.1] DE SOYZA, A. - DI LORENZO, F. - SILIPO, A. - LANZETTA, R. - MOLINARO, A. In CARBOHYDRATE CHEMISTRY: CHEMICAL AND BIOLOGICAL APPROACHES, VOL 38. 2012, vol. 38, p. 13-39., WOS

8. [1.1] FERREIRA, J.A. - SILVA, L. - MONTEIRO, M.A. - COIMBRA, M.A. In CARBOHYDRATE CHEMISTRY: CHEMICAL AND BIOLOGICAL APPROACHES, VOL 37. 2012, vol. 37, p. 160-193., WOS

9. [1.1] HENDRIX, L.R. - CHEN, C. In COXIELLA BURNETII: RECENT ADVANCES AND NEW PERSPECTIVES IN RESEARCH OF THE Q FEVER BACTERIUM. 2012, vol. 984, p. 299-328., WOS

ADCA209 MACRAE, A.L. - DUTIA, B.M. - MILLIGAN, S. - BRAWNSTEIN, D.G. - ALLEN, D.J. - MISTRÍKOVÁ, Jela - DAVIDSON, A.J. - NASH, A.A. - STEWART, J.P. Analysis of a novel strain of murine gammaherpesvirus reveals a genomic locus important for acute pathogenesis. In *Journal of Virology*, 2001, vol. 75, no. 11, p. 5315-5327. (5.930 - IF2000). (2001 - Current Contents). ISSN 0022-538X.

Ohlasy:

1. [1.2] de Oliveira, V.L.ab , Almeida, S.C.P.ac, Soares, H.R.ad, Parkhouse, R.M.E. Selective B-cell expression of the MHV-68 latency-associated M2 protein regulates T-dependent antibody response and inhibits apoptosis upon viral infection *Journal of General Virology* Volume 94, Issue PART7, 1 July 2013, Pages 1613-1623, SCOPUS

ADCA210 MAES, P. - KLEMPA, Boris - CLEMENT, J. - MATTHIJNSSENS, J. - GAJDUŠEK, D.C. - KRÜGER, D.H. - VAN RANST, M. A proposal for new criteria for the classification of hantaviruses, based on S and M segment protein sequences. In *Infection Genetics and Evolution*, 2009, vol. 9, no. 5, p. 813 -820. (2.792 - IF2008). (2009 - Current Contents). ISSN 1567-1348.

Ohlasy:

1. [1.1] Nemeth, V (Nemeth, Viktoria)[1,2] ; Oldal, M (Oldal, Miklos)[1,2] ; Madai, M (Madai, Monika)[1,2] ; Horvath, G (Horvath, Gyoza)[2] ; Kemenesi, G (Kemenesi, Gabor)[1,2] ; Dallos, B (Dallos, Bianka)[1,2] ; Banyai, K (Banyai, Krisztian)[3] ; Jakab, F (Jakab, Ferenc) Molecular characterization of Dobrava and Kurkino genotypes of Dobrava-Belgrade hantavirus detected in Hungary and Northern Croatia *VIRUS GENES* Volume: 47 Issue: 3 Pages: 546-549 , 2013, WOS

2. [1.1] Anthony, S.J.ab , Epstein, J.H.b, Murray, K.A.b, Navarrete-Macias, I.a, Zambrana-Torrel, C.M.b, Solovyov, A.a, Ojeda-Flores, R.c, Arrigo, N.C.a, Islam, A.b, Khan, S.A.d, Hosseini, P.b, Bogich, T.L.ef, Olival, K.J.b, Sanchez-Leon, M.D.ab, Karesh, W.B.b, Goldstein, T.g, Daszak, P.b , Lipkin, W.I. A strategy to estimate unknown viral diversity in mammals *mBio* Volume 4, Issue 5, 3 September 2013, Article number e00598-13,, WOS

3. [1.1] Guterres, A.ab , de Oliveira, R.C.a, Fernandes, J.a, D'Andrea, P.S.c, Bonvicino, C.R.cd, Bragagnolo, C.a, Guimarães, G.D.e, Almada, G.L.f, Machado, R.R.g, Lavocat, M.g, Elkhoury, M.D.R.h, Schrago, C.G.i, de Lemos, E.R.S. Phylogenetic analysis of the S segment from Juquitiba hantavirus: Identification of two distinct lineages in *Oligoryzomys nigripes* *Infection, Genetics and Evolution* Volume 18, August 2013, Pages 262-268, WOS

ADCA211 MAJTÁN, Juraj - KOGAN, Grigorij - KOVÁČOVÁ, Elena - BÍLIKOVÁ, Katarína - SIMUTH, Jozef. Stimulation of TNF-alpha release by fungal cell wall polysaccharides. In *Zeitschrift fur Naturforschung C-A Journal of Biosciences*, 2005, vol. 60, p. 921-926.

Ohlasy:

1. [1.1] TRUSZCZYNSKI, M. - PEJSK, Z. Innate immunity and its immunostimulants with particular reference to swine. In MEDYCINA WETERYNARYJNA. SEP 2013, vol. 69, no. 9, p. 521-525., WOS
2. [1.1] MURPHY, P. - DAL BELLO, F. - O'DOHERTY, J. - ARENDT, E.K. - SWEENEY, T. - COFFEY, A. Analysis of bacterial community shifts in the gastrointestinal tract of pigs fed diets supplemented with beta-glucan from *Laminaria digitata*, *Laminaria hyperborea* and *Saccharomyces cerevisiae*. In ANIMAL. JUL 2013, vol. 7, no. 7, p. 1079-1087., WOS

ADCA212 MAJTÁN, Juraj - KOVÁČOVÁ, Elena - BÍLIKOVÁ, Katarína - SIMUTH, Jozef. The immunostimulatory effect of the recombinant apalbumin 1-major honeybee royal jelly protein-on TNF alpha release. In *International Immunopharmacology*, 2006, vol. 6, no. 2, p. 269-278. ISSN 1567-5769.

Ohlasy:

1. [1.2] Nozaki, R.ab, Tamura, S.cd, Ito, A.c, Moriyama, T.e, Yamaguchi, K.ab, Kono, T. A rapid method to isolate soluble royal jelly proteins Food Chemistry Volume 134, Issue 4, 15 October 2012, Pages 2332-2337, SCOPUS
2. [1.2] Ranzato, E. , Martinotti, S., Burlando, B. Epithelial mesenchymal transition traits in honey-driven keratinocyte wound healing: Comparison among different honeys Wound Repair and Regeneration Volume 20, Issue 5, September 2012, Pages 778-785, SCOPUS
3. [1.2] Gannabathula, S.abc , Skinner, M.A.abd, Rosendale, D.a, Greenwood, J.M.a, Mutukumira, A.N.b, Steinhorn, G.e, Stephens, J.e, Krissansen, G.W.c, Schlothauer, R.C. Arabinogalactan proteins contribute to the immunostimulatory properties of New Zealand honeys Immunopharmacology and Immunotoxicology Volume 34, Issue 4, August 2012, Pages 598-607, SCOPUS
4. [1.2] Kassim, M.a , Mansor, M.a , Al-Abd, N.b , Yusoff, K.M. Gelam honey has a protective effect against lipopolysaccharide (LPS)-induced organ failure International Journal of Molecular Sciences Volume 13, Issue 5, May 2012, Pages 6370-6381, SCOPUS
5. [1.2] Ramadan, M.F.a , Al-Ghamdi, A. Bioactive compounds and health-promoting properties of royal jelly Journal of Functional Foods Volume 4, Issue 1, January 2012, Pages 39-52, SCOPUS
6. [1.1] BURLANDO, B. - CORNARA, L. Honey in dermatology and skin care: a review. In JOURNAL OF COSMETIC DERMATOLOGY. DEC 2013, vol. 12, no. 4, p. 306-313., WOS
7. [1.1] XU, X. - GAO, Y.X. Isolation and characterization of proteins and lipids from honeybee (*Apis mellifera* L.) queen larvae and royal jelly. In FOOD RESEARCH INTERNATIONAL. NOV 2013, vol. 54, no. 1, p. 330-337., WOS
8. [1.1] MIHAJLOVIC, D. - RAJKOVIC, I. - CHINOUI, I. - COLIC, M. Dose-dependent immunomodulatory effects of 10-hydroxy-2-decenoic acid on human monocyte-derived dendritic cells. In JOURNAL OF FUNCTIONAL FOODS. APR 2013, vol. 5, no. 2, p. 838-846., WOS
9. [1.1] AHMED, S. - OTHMAN, N.H. Honey as a Potential Natural Anticancer Agent: A Review of Its Mechanisms. In EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE. 2013., WOS
10. [1.1] CIULU, M. - FARRE, R. - FLORIS, I. - NURCHI, V.M. - PANZANELLI, A. - PILO, M.I. - SPANO, N. - SANNA, G. Determination of 5-hydroxymethyl-2-furaldehyde in royal jelly by a rapid reversed phase HPLC method. In ANALYTICAL METHODS. 2013, vol. 5, no. 19, p. 5010-5013., WOS

ADCA213 MÁLEKOVÁ, Ľubica - TOMÁŠKOVÁ, Jana - NOVÁKOVÁ, Martina - ŠTEFÁNIK, Peter - KOPÁČEK, Juraj - LAKATOŠ, B. - PASTOREKOVÁ, Silvia - KRIŽANOVÁ, Oľga - BREIER, Albert - ONDRIAŠ, Karol. Inhibitory effect of DIDS, NPPB, and phloretin on intracellular chloride channels. In *Pflugers Archiv-European Journal of Physiology*, 2007, vol. 455, no. 2, p. 349-357. (4.807 - IF2006). (2007 - Current Contents). ISSN 0031-6768.

Ohlasy:

1. [1.1] Kucherenko, YV (Kucherenko, Yuliya V.)[1] ; Wagner-Britz, L (Wagner-Britz, Lisa)[2] ; Bernhardt, I (Bernhardt, Ingolf)[2] ; Lang, F Effect of Chloride Channel Inhibitors on Cytosolic Ca²⁺ Levels and Ca²⁺-Activated K⁺ (Gardos) Channel Activity in Human Red Blood Cells JOURNAL OF MEMBRANE BIOLOGY Volume: 246 Issue: 4 Pages: 315-326, 2013, WOS
2. [1.1] Zhang, XC (Zhang Xian-chen)[1] ; Gao, HJ (Gao Hong-jian)[1,2] ; Zhang, ZZ (Zhang Zheng-zhu)[1] ; Wan, XC Influences of different ion channel inhibitors on the absorption of fluoride in tea

plants (*Camellia sinensis* L.) PLANT GROWTH REGULATION Volume: 69 Issue: 1 Pages: 99-106, 2013, WOS

ADCA214 MALENTACCHI, F. - SIMI, L. - NANNELLI, C. - ANDREANI, M. - JANNI, A. - PASTOREKOVÁ, Silvia - ORLANDO, C. Alternative splicing variants of carbonic anhydrase IX in human non-small cell lung cancer. In *Lung Cancer*, 2009, vol. 64, no. 3, p. 271 - 276. (2.970 - IF2008). ISSN 0169-5002.

Ohlasy:

1. [1.1] Ilie, M (Ilie, Marius)[1,2,3] ; Hofman, V (Hofman, Veronique)[1,2,3,4] ; Zangari, J (Zangari, Josephine)[2,3] ; Chiche, J (Chiche, Johanna)[5] ; Mouroux, J (Mouroux, Jerome)[2,3,6] ; Mazure, NM (Mazure, Nathalie M.)[3,7] ; Pouyssegur, J (Pouyssegur, Jacques)[3,7] ; Brest, P (Brest, Patrick)[2,3] ; Hofman, P Response of CAIX and CAXII to in vitro re-oxygenation and clinical significance of the combined expression in NSCLC patients LUNG CANCER Volume: 82 Issue: 1 Pages: 16-23, 2013, WOS
2. [1.1] Kelemen, O (Kelemen, Olga)[1] ; Convertini, P (Convertini, Paolo)[1] ; Zhang, ZY (Zhang, Zhaiyi)[1] ; Wen, Y (Wen, Yuan)[1] ; Shen, ML (Shen, Manli)[1] ; Falaleeva, M (Falaleeva, Marina)[1] ; Stamm, S Function of alternative splicing GENE Volume: 514 Issue: 1 Pages: 1-30 , 2013, WOS

ADCA215 MANTKE, O.D. - ABERLE, S. W. - LABUDA, Milan - NIEDRIG, M. Quality control assessment for the PCR diagnosis of tick-borne encephalitis virus infections. In *Journal of Clinical Virology*, 2007, vol. 38, no. 1, p. 73-77. (2.630 - IF2006). ISSN 1386-6532.

Ohlasy:

1. [1.1] HAYASAKA, Daisuke - AOKI, Kotaro - MORITA, Kouichi. Development of simple and rapid assay to detect viral RNA of tick-borne encephalitis virus by reverse transcription-loop-mediated isothermal amplification. In VIROLOGY JOURNAL. ISSN 1743-422X, MAR 4 2013, vol. 10., WOS

ADCA216 MARÁK, Jozef - STANOVÁ, Andrea - GAJDOŠTINOVÁ, Soňa - ŠKULTÉTY, Ľudovít - KANIANSKÝ, Dušan. Some possibilities of analysis of complex samples by mass spectrometry with sample pretreatment by off-line coupled preparative capillary isotachopheresis. In *Electrophoresis*, 2011, vol. 32, no. 11, p. 1273 - 1281. (3.569 - IF2010). (2011 - Current Contents). ISSN 0173-0835.

Ohlasy:

1. [1.2] Zhang, Z., Zhang, F., Liu, Y. Recent advances in enhancing the sensitivity and resolution of capillary electrophoresis Journal of Chromatographic Science 51 (7) , pp. 666-683 , 2013, SCOPUS
2. [1.2] Maráková, K., Piešťanský, J., Veizerová, L., Galba, J., Dokupilová, S., Havránek, E., Mikuš, P. Multidrug analysis of pharmaceutical and urine matrices by on-line coupled capillary electrophoresis and triple quadrupole mass spectrometry Journal of Separation Science 36 (11) , pp. 1805-1816 , 2013, SCOPUS
3. [1.1] Bodor, R (Bodor, Robert)[1] ; Pastierova, A (Pastierova, Andrea)[1] ; Halasiova, M (Halasiova, Miroslava)[1] ; Belanova, M (Belanova, Martina)[2] ; Mikusova, K (Mikusova, Katarina)[2] ; Masar, M (Masar, Marian)[1] Protein Separation and Enzyme Purification by Preparative Capillary Isotachopheresis CHROMATOGRAPHIA Volume: 76 Issue: 7-8 Special Issue: SI Pages: 321-327 DOI: 10.1007/s10337-012-2348-8 Published: APR 2013, WOS
4. [1.1] Mala, Zdena; Gebauer, Petr; Bocek, Petr Recent progress in analytical capillary isotachopheresis ELECTROPHORESIS Volume: 34 Issue: 1 Special Issue: SI Pages: 19-28 DOI: 10.1002/elps.201200323 Published: JAN 2013, WOS
5. [1.1] Lindenburg, PW (Lindenburg, Petrus W.)[1,2] ; Ramautar, R (Ramautar, Rawi)[1,2] ; Hankemeier, T (Hankemeier, Thomas)[1,2] The potential of electrophoretic sample pretreatment techniques and new instrumentation for bioanalysis, with a focus on peptidomics and metabolomics BIOANALYSIS Volume: 5 Issue: 22 Pages: 2785-2801, 2013, WOS

ADCA217 MARCINKA, Kamil - ROHRING, C. Changes in protein patterns of pea plants systemically infected with red clover mottle virus. In *Biochem. Physiol. Pflanzen*, 1992, roč. 188, č., s. 187-193.

Ohlasy:

1. [1.1] Wu, MQ (Wu, Meiqun)[1] ; Abokitse, K (Abokitse, Kofi)[1] ; Grosse, S (Grosse, Stephan)[1] ; Leisch, H (Leisch, Hannes)[1] ; Lau, PCK New Feruloyl Esterases to Access Phenolic Acids from

Grass Biomass APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY Volume: 168 Issue: 1 Pages: 129-143
Special Issue: SI, 2013, WOS

ADCA218 MEDIANNIKOV, O. - SEKEYOVÁ, Zuzana - BIRG, M. - L. - RAOULT, D. A novel obligate Intracellular gamma-proteobacterium associated with Ixodid ticks, *Diplorickettsia massiliensis*, Gen. Nov., Sp. Nov. In *PLoS ONE*, 2010, vol. 5, no. 7, p. 1-8. (4.351 - IF2009). (2010 - Current Contents, MEDLINE). ISSN 1932-6203. Názov z titulnej obrazovky. Požaduje sa Adobe Reader. Dostupné na internete: <<http://www.plosone.org>>.

Ohlasy:

1. [1.1] Ishii, Y (Ishii, Yoshiko)[1] ; Matsuura, Y (Matsuura, Yu)[1,2] ; Kakizawa, S (Kakizawa, Shigeyuki)[1] ; Nikoh, N (Nikoh, Naruo)[3] ; Fukatsu, T (Fukatsu, Takema) Diversity of Bacterial Endosymbionts Associated with Macrosteles Leafhoppers Vectoring Phytopathogenic Phytoplasmas APPLIED AND ENVIRONMENTAL MICROBIOLOGY Volume: 79 Issue: 16 Pages: 5013-5022, 2013, WOS
2. [1.1] Iasur-Kruh, L (Iasur-Kruh, Lilach)[1,2] ; Weintraub, PG (Weintraub, Phyllis G.)[3] ; Mozes-Daube, N (Mozes-Daube, Netta)[1] ; Robinson, WE (Robinson, Wyatt E.)[4] ; Perlman, SJ (Perlman, Steve J.)[4] ; Zchori-Fein, E (Zchori-Fein, Einat) Novel Rickettsiella Bacterium in the Leafhopper *Orosius albicinctus* (Hemiptera: Cicadellidae) APPLIED AND ENVIRONMENTAL MICROBIOLOGY Volume: 79 Issue: 14 Pages: 4246-4252, 2013, WOS
3. [1.1] Leclerque, A (Leclerque, Andreas)[1,2] ; Mitkovets, PV (Mitkovets, Polina V.)[1,3] ; Fatu, AC (Fatu, Ana-Cristina)[1,4] ; Schuster, C (Schuster, Christina)[1] ; Kleespies, RG (Kleespies, Regina G.) Ribosomal RNA phylogeny of bacterial and fungal pathogens of *Agriotes* wireworms JOURNAL OF PEST SCIENCE Volume: 86 Issue: 1 Pages: 107-113 Special Issue: SI, 2013, WOS
4. [1.1] Schuster, C (Schuster, Christina)[1] ; Kleespies, RG (Kleespies, Regina G.)[1] ; Ritter, C (Ritter, Claudia)[2] ; Feiertag, S (Feiertag, Simon)[2,1] ; Leclerque, A (Leclerque, Andreas) Multilocus Sequence Analysis (MLSA) of 'Rickettsiella agriotidis', an Intracellular Bacterial Pathogen of *Agriotes* Wireworms CURRENT MICROBIOLOGY Volume: 66 Issue: 1 Pages: 1-9, 2013, WOS

ADCA219 MELNIČÁKOVÁ, Jana - LUKÁČOVÁ, Magdaléna - HOWE, D. - HEINZEN, R.A. - BARÁK, Imrich. Identification of *Coxiella burnetii* RpoS-dependent Promoters. In *Annals of the New York Academy of Sciences*, 2003, vol. 990, p. 591-595. (1.682 - IF2002). ISSN 0077-8923.

Ohlasy:

1. [1.1] MCDONOUGH, J.A. - NEWTON, H.J. - ROY, C.R. In COXIELLA BURNETII: RECENT ADVANCES AND NEW PERSPECTIVES IN RESEARCH OF THE Q FEVER BACTERIUM. 2012, vol. 984, p. 171-197., WOS

ADCA220 MIKULA, Ivan - BHIDE, Mangesh - PASTOREKOVÁ, Silvia - MIKULA, Ivan. Characterization of ovine TLR7 and TLR8 protein coding regions, detection of mutations and Maedi Visna virus infection. In *Veterinary immunology and immunopathology*, 2010, vol. 138, no. 1-2, p. 51-59. (1.963 - IF2009). (2010 - Current Contents). ISSN 0165-2427.

Ohlasy:

1. [1.1] Larruskain, Amaia; Jugo, Begona M. Retroviral Infections in Sheep and Goats: Small Ruminant Lentiviruses and Host Interaction VIRUSES-BASEL Volume: 5 Issue: 8 Pages: 2043-2061 Published: AUG 2013, WOS
2. [1.1] White, Stephen N.; Knowles, Donald P. Expanding Possibilities for Intervention against Small Ruminant Lentiviruses through Genetic Marker-Assisted Selective Breeding VIRUSES-BASEL Volume: 5 Issue: 6 Pages: 1466-1499 Published: JUN 2013, WOS
3. [1.1] Dubey, PK (Dubey, Praveen Kumar)[1] ; Goyal, S (Goyal, Shubham)[1] ; Aggarwal, J (Aggarwal, Jigyasa)[1] ; Gahlawat, SK (Gahlawat, Suresh Kumar)[2] ; Kathiravan, P (Kathiravan, Periasamy)[1] ; Mishra, BP (Mishra, Bishnu Prasad)[1] ; Kataria, RS Sequence and topological characterization of Toll-like receptor 8 gene of Indian riverine buffalo (*Bubalus bubalis*) TROPICAL ANIMAL HEALTH AND PRODUCTION Volume: 45 Issue: 1 Pages: 91-99, 2013, WOS
4. [1.2] Dhanasekaran, S.a, Vignesh, A.R.a, Raj, G.D.a , Reddy, Y.K.M.b, Raja, A.a, Tirumurugaan, K.G. Comparative analysis of innate immune response following in vitro stimulation of sheep and

goat peripheral blood mononuclear cells with bluetongue virus - Serotype 23 Veterinary Research Communications Volume 37, Issue 4, December 2013, Pages 319-327, SCOPUS

5. [1.2] Dubey, P.K., Goyal, S., Kumari, N., Mishra, S.K., Arora, R., Kataria, R.S. Genetic diversity within 5'upstream region of Toll-like receptor 8 gene reveals differentiation of riverine and swamp buffaloes Meta Gene Volume 1, December 2013, Pages 24-32, SCOPUS

ADCA221 FISLOVÁ, Tatiana - THOMAS, Brian - GRAEF, K.M. - FODOR, Ervín. Association of the influenza virus RNA polymerase subunit PB2 with the host chaperonin CCT. In *Journal of Virology*, 2010, vol. 84, no. 17, p. 8691 - 8699. (5.150 - IF2009). (2010 - Current Contents). ISSN 0022-538X.

Ohlasy:

1. [1.2] Gabriel, G.a, Czudai-Matwich, V.b, Klenk, H.-D. Adaptive mutations in the H5N1 polymerase complex Virus Research Volume 178, Issue 1, 5 December 2013, Pages 53-62, SCOPUS
2. [1.2] Munier, S.abc, Rolland, T.de, Diot, C.abc, Jacob, Y.abcde, Naffakh, N. Exploration of binary virus-host interactions using an infectious protein complementation assay Molecular and Cellular Proteomics Volume 12, Issue 10, October 2013, Pages 2845-2855, SCOPUS
3. [1.2] Martín-Benito, J.a, Ortín, J. Influenza Virus Transcription and Replication Advances in Virus Research Volume 87, 2013, Pages 113-137, SCOPUS
4. [1.2] Moisy, D.abc, Naffakh, N. Molecular interactions between the ribonucleoprotein of influenza A virus and the host cell [Interactions moléculaires entre les ribonucléoprotéines des virus influenza de type A et la cellule hôte] Virologie Volume 17, Issue 4, July 2013, Pages 278-293, SCOPUS
5. [1.2] Zhang, J.ab, Wu, X.ab, Zan, J.ab, Wu, Y.ab, Ye, C.ab, Ruan, X.ab, Zhou, J. Cellular chaperonin CCTγ contributes to rabies virus replication during infection Journal of Virology Volume 87, Issue 13, July 2013, Pages 7608-7621, SCOPUS
6. [1.2] Slater, L.H.abc, Hett, E.C.abc, Clatworthy, A.E.abc, Mark, K.G.abc, Hung, D.T. CCT chaperonin complex is required for efficient delivery of anthrax toxin into the cytosol of host cells Proceedings of the National Academy of Sciences of the United States of America Volume 110, Issue 24, 11 June 2013, Pages 9932-9937, SCOPUS
7. [1.2] Garcin, P.a, Cohen, S.ac, Terpstra, S.a, Kelly, I.bd, Foster, L.J.b, Panté, N. Proteomic analysis identifies a novel function for galectin-3 in the cell entry of parvovirus Journal of Proteomics Volume 79, 1 February 2013, Pages 123-132, SCOPUS

ADCA222 FISLOVÁ, Tatiana - GOCNÍK, Michal - SLÁDKOVÁ, Tatiana - ĎURMANOVÁ, Vladimíra - RAJČÁNI, Július - VAREČKOVÁ, Eva - MUCHA, Vojtech - KOSTOLANSKÝ, František. Multiorgan distribution of human influenza A virus strains observed in a mouse model. In *Archives of Virology*, 2009, vol. 154, no. 3, p. 409 - 419. (2.020 - IF2008). (2009 - Current Contents). ISSN 0304-8608.

Ohlasy:

1. [1.1] Wiwanitkit, Viroj ardiology concern on new H3N2 influenza outbreak ANADOLU KARDIYOLOJİ DERGİSİ-THE ANATOLIAN JOURNAL OF CARDIOLOGY Volume: 13 Issue: 8 Pages: 821-821 Published: DEC 2013, WOS
2. [1.1] Berri, F (Berri, Fatma)[1] ; Rimmelzwaan, GF (Rimmelzwaan, Guus F.)[2] ; Hanss, M (Hanss, Michel)[3] ; Albina, E (Albina, Emmanuel)[4,5] ; Foucault-Grunenwald, ML (Foucault-Grunenwald, Marie-Laure)[1] ; Le, VB (Le, Vuong B.)[1] ; Vogelzang-van Trierum, SE (Vogelzang-van Trierum, Stella E.)[2] ; Gil, P (Gil, Patricia)[4,5] ; Camerer, E (Camerer, Eric)[6,7] ; Martinez, D (Martinez, Dominique)[4,5] ; Lina, B (Lina, Bruno)[1] ; Lijnen, R (Lijnen, Roger)[8] ; Carmeliet, P (Carmeliet, Peter)[9,10] ; Riteau, B Plasminogen Controls Inflammation and Pathogenesis of Influenza Virus Infections via Fibrinolysis PLOS PATHOGENS Volume: 9 Issue: 3 Article Number: e1003229, 2013, WOS
3. [1.1] Kang, HM (Kang, Hyun-Mi)[1] ; Choi, JG (Choi, Jun-Gu)[1] ; Kim, KI (Kim, Kwang-II)[1] ; Park, HY (Park, Ha-Young)[1] ; Park, CK (Park, Choi-Kyu)[1] ; Lee, YJ Genetic and antigenic characteristics of H4 subtype avian influenza viruses in Korea and their pathogenicity in quails, domestic ducks and mice JOURNAL OF GENERAL VIROLOGY Volume: 94 Pages: 30-39 Part: 1, 2013, WOS
4. [1.2] López-Medrano, F.a, Cordero, E.b, Gavalda, J.c, Cruzado, J.M.d, Ángeles Marcos, M.e,

Pérez-Romero, P.b, Sabé, N.f, Gómez-Bravo, M.A.g, Delgado, J.F.h, Cabral, E.c, Carratalá, J. Management of influenza infection in solid-organ transplant recipients:consensus statement of the group for the study of infection in transplantrecipients (GESITRA) of the spanish society of infectious diseases and clinicalmicrobiology (SEIMC) and the spanish network for research in infectiousdiseases (REIPI) *Enfermedades Infecciosas y Microbiologia Clinica* Volume 31, Issue 8, October 2013, Pages 526.e1-526.e20, SCOPUS

5. [1.2] Alhammedi, A.H. , Hendaus, M.A., Kayoum, A.A. Alteration of liver function due to H1N1 infection: A case report *Clinical and Experimental Gastroenterology* Volume 6, Issue 1, 13 September 2013, Pages 173-175, SCOPUS

ADCA223 MISTRÍKOVÁ, Jela - RAJČÁNI, Július. Comparison of pathogenic properties of the murid gammaherpesvirus (MuHV 4) strains: a role for immunomodulatory proteins encoded by the left (5-) end of the genome. In *Central European Journal of Biology*, 2008, vol.3, no.1, p. 18 - 30. (0.250 - IF2007). (2008 - AGRICOLA, BIOSIS Previews, SCOPUS, SciSearch).

Ohlasy:

1. [1.1] Kúdelová, M.a , Belvončíková, P.a, Halášová, Z.a, Košovský, J.a, Lapuníková, B.b, Pančík, P.a, Režuchová, I.a, Šupolíková, M.b, Zelník, V. Recombinant herpesviruses as tools for the study of herpesvirus biology *Acta Virologica* Volume 57, Issue 2, 2013, Pages 149-159, WOS

ADCA224 MITTERMAYER, T. - BREZINA, Rudolf - URVÖLGYI, Juraj. First report of an infection with *Rickettsia slovaca*. In *Folia Parasitologica*, 1980, vol. 27, no.4, p.373-376. ISSN 0015-5683.

Ohlasy:

1. [1.1] Sekeyova, Z (Sekeyova, Z.)[2] ; Mediannikov, O (Mediannikov, O.)[1] ; Subramanian, G (Subramanian, G.)[1] ; Kowalczywska, M (Kowalczywska, M.)[1] ; Quevedo-Diaz, M (Quevedo-Diaz, M.)[2] ; Kocianova, E (Kocianova, E.)[2] ; Rault, D Isolation of *Rickettsia helvetica* from ticks in Slovakia *ACTA VIROLOGICA* Volume: 56 Issue: 3 Pages: 247-252, 2012, WOS

2. [1.2] de Sousa, R.a , Pereira, B.l.b, Nazareth, C.b, Cabral, S.b, Ventura, C.b, Crespo, P.b, Marques, N.b, da Cunha, S. *Rickettsia slovaca* infection in humans, Portugal *Emerging Infectious Diseases* Volume 19, Issue 10, October 2013, Pages 1627-1629, SCOPUS

ADCA225 MORGAN, P.E. - PASTOREKOVÁ, Silvia - STUART-TILLEY, A. - ALPER, S. - CASEY, J.R. Interactions of transmembrane carbonic anhydrase, CAIX, with bicarbonate transporters. In *American Journal of Physiology-Cell Physiology*, 2007, vol. 293, no. 2, p. 738-748. (4.334 - IF2006). (2007 - Current Contents).

Ohlasy:

1. [1.1] Gondi, G (Gondi, Gabor)[1] ; Mysliwietz, J (Mysliwietz, Josef)[2] ; Hulikova, A (Hulikova, Alzbeta)[4] ; Jen, JP (Jen, Jian Ping)[4] ; Swietach, P (Swietach, Pawel)[4] ; Kremmer, E (Kremmer, Elisabeth)[2] ; Zeidler, R Antitumor Efficacy of a Monoclonal Antibody That Inhibits the Activity of Cancer-Associated Carbonic Anhydrase XII *CANCER RESEARCH*, Volume: 73 Issue: 21 Pages: 6494-6503, 2013, WOS

2. [1.1] Lounnas, N (Lounnas, Nadia)[1,2] ; Rosilio, C (Rosilio, Celia)[1,2] ; Nebout, M (Nebout, Marielle)[1,2] ; Mary, D (Mary, Didier)[1,2] ; Griessinger, E (Griessinger, Emmanuel)[1,2] ; Neffati, Z (Neffati, Zouhour)[1,2] ; Chiche, J (Chiche, Johanna)[2,3] ; Spits, H (Spits, Hergen)[4] ; Hagenbeek, TJ (Hagenbeek, Thijs J.)[5] ; Asnafi, V (Asnafi, Vahid)[6,7] ; Poulsen, SA (Poulsen, Sally-Ann)[8] ; Supuran, CT (Supuran, Claudiu T.)[9] ; Peyron, JF (Peyron, Jean-Francois)[1,2,10,11] ; Imbert, V Pharmacological inhibition of carbonic anhydrase XII interferes with cell proliferation and induces cell apoptosis in T-cell lymphomas *CANCER LETTERS* Volume: 333 Issue: 1 Pages: 76-88, 2013, WOS

3. [1.1] Gieling, Roben G.; Williams, Kaye J. Carbonic anhydrase IX as a target for metastatic disease *BIOORGANIC & MEDICINAL CHEMISTRY* Volume: 21 Issue: 6 Pages: 1470-1476 Published: MAR 15 2013, WOS

4. [1.1] Hassan, MI (Hassan, Md Imtaiyaz)[1,3] ; Shajee, B (Shajee, Bushra)[2] ; Waheed, A (Waheed, Abdul)[3] ; Ahmad, F (Ahmad, Faizan)[1] ; Sly, WS Structure, function and applications of carbonic anhydrase isozymes *BIOORGANIC & MEDICINAL CHEMISTRY* Volume: 21 Issue: 6 Pages:

1570-1582, 2013, WOS

5. [1.1] Schroeder, MA (Schroeder, Marie A.)[1] ; Ali, MA (Ali, Mohammad A.)[1] ; Hulikova, A (Hulikova, Alzbeta)[1] ; Supuran, CT (Supuran, Claudiu T.)[2] ; Clarke, K (Clarke, Kieran)[1] ; Vaughan-Jones, RD (Vaughan-Jones, Richard D.)[1] ; Tyler, DJ (Tyler, Damian J.)[1] ; Swietach, P Extramitochondrial domain rich in carbonic anhydrase activity improves myocardial energetics PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA Volume: 110 Issue: 10 Pages: E958-E967, 2013, WOS
6. [1.2] Doyen, J.ab, Parks, S.K.a, Marcié, S.b, Pouysségur, J.ac, Chiche, J. Knock-down of hypoxia-induced carbonic anhydrases IX and XII radiosensitizes tumor cells by increasing intracellular acidosis Frontiers in Oncology, Volume 2 JAN, 2013, Article number Article 00199, SCOPUS
7. [1.2] Guo, J.ab, Li, F.-R.ab, Liu, Y.ab, Cheng, M.-S. Progress in the study of carbonic anhydrase inhibitors as potential anticancer drugs Yaoxue Xuebao e 48, Issue 11, 12 November 2013, Pages 1637-1643, SCOPUS
8. [1.2] Kurtz, I. SLC4 Sodium-Driven Bicarbonate Transporters Seldin and Geibisch's The Kidney Volume 2, 2013, Pages 1837-1860, SCOPUS

ADCA226 MORSBORG-PETERSEN, P. - TOTH, F.D. - ZACHAR, Vladimír - VILLADSEN, J.A. - ABOAGYE-MATHIESEN, G. - CHERMANN, J.C. - EBBESEN, P. Differential HIV replication and HIV-induced interferon production in mononuclear phagocytes: relationship to cell maturation. In *Research in Virology*, 1991, vol. 142, s. 353-361.

Ohlasy:

1. [1.1] Cordeil, S (Cordeil, Stephanie); Nguyen, XN (Xuan-Nhi Nguyen); Berger, G (Berger, Gregory); Durand, S (Durand, Stephanie); Ainouze, M (Ainouze, Michelle); Cimorelli A. Evidence for a Different Susceptibility of Primate Lentiviruses to Type I Interferons JOURNAL OF VIROLOGY Volume: 87 Issue: 5 Pages: 2587-2596, 2013, WOS

ADCA227 MOSCELLI, N. - DRIESCHE VAN DEN, S. - WITARSKI, Wojciech - PASTOREKOVÁ, Silvia - VELLEKOOP, M.J. An Imaging system for real-time monitoring of adherently grown cells. In *Sensors and Actuators A-Physical*, 2011, vol.172, no. 1, p. 175 - 180. (1.933 - IF2010). (2011 - Current Contents). ISSN 0924-4247.

Ohlasy:

1. [1.1] Dolega, ME (Dolega, Monika E.)[1,2,3] ; Allier, C (Allier, Cedric)[4] ; Kesavan, SV (Kesavan, Srikanth Vinjimore)[4] ; Gerbaud, S (Gerbaud, Sophie)[1,2,3] ; Kermarrec, F (Kermarrec, Frederique)[1,2,3] ; Marcoux, P (Marcoux, Pierre)[4] ; Dinten, JM (Dinten, Jean-Marc)[4] ; Gidrol, X (Gidrol, Xavier)[1,2,3] ; Picollet-D'Hahan, N Label-free analysis of prostate acini-like 3D structures by lensfree imaging BIOSENSORS & BIOELECTRONICS Volume: 49 Pages: 176-183, 2013, WOS

ADCA228 NAGYOVÁ, Alžbeta - KAMENCAYOVÁ, Mária - GLASA, Miroslav - ŠUBR, Zdeno W.. The 3' - proximal part of the Plum pox virus P1 gene determinates the symptom expression in two herbaceous host plants. In *Virus Genes*, 2012, vol. 44, no. 3, p. 505 - 514. (1.845 - IF2011). (2012 - Current Contents). ISSN 0920-8569.

Ohlasy:

1. [1.1] Carbonell, A (Carbonell, Alberto)[1] ; Maliogka, VI (Maliogka, Varvara I.)[1] ; Perez, JD (de Jesus Perez, Jose)[1] ; Salvador, B (Salvador, Beatriz)[1] ; San Leon, D (San Leon, David)[1] ; Garcia, JA (Antonio Garcia, Juan)[1] ; Simon-Mateo, C (Simon-Mateo, Carmen) Diverse Amino Acid Changes at Specific Positions in the N-Terminal Region of the Coat Protein Allow Plum pox virus to Adapt to New Hosts MOLECULAR PLANT-MICROBE INTERACTIONS Volume: 26 Issue: 10 Pages: 1211-1224, 2013, WOS

ADCA229 NAGYOVÁ, Jana - PASTOREK, Jaromír - KOPÁČEK, Juraj. Identification of the critical cis-acting elements in the promoter of the mouse Prnd gene coding for Doppel protein. In *Biochimica et Biophysica Acta : molecular Basis of Disease*, 2004, vol. 1679, no. 3, p. 288 - 293. (2.509 - IF2003). (2004 - Current Contents). ISSN 0925-4439.

Ohlasy:

1. [1.1] Qin, KF (Qin, Kefeng)[1,2,3] ; Ding, TB (Ding, Tianbing)[2] ; Xiao, Y (Xiao, Yi)[2] ; Ma, WY (Ma, Wenyu)[2] ; Wang, Z (Wang, Zhen)[1] ; Gao, JM (Gao, Jimin)[1] ; Zhao, LL Differential Responses of Neuronal and Spermatogenic Cells to the Doppel Cytotoxicity PLOS ONE Volume: 8 Issue: 12, 2013, WOS

ADCA230 NANJO, Y. - ŠKULTÉTY, Ľudovít - ASHRAF, Y. - KOMATSU, S. Comparative proteomic analysis of early-stage soybean seedling responses to flooding by using gel and gel-free techniques. In *Journal of Proteome Research*, 2010, vol. 6, no. 8, p. 3989 - 4002. (5.132 - IF2009). (2010 - Current Contents). ISSN 1535-3893.

Ohlasy:

1. [1.1] Zhao, Q (Zhao, Qi)[1,2] ; Zhang, H (Zhang, Heng)[1,2] ; Wang, T (Wang, Tai)[3] ; Chen, SX (Chen, Sixue)[4] ; Dai, SJ (Dai, Shaojun)[1,2] Proteomics-based investigation of salt-responsive mechanisms in plant roots JOURNAL OF PROTEOMICS Volume: 82 Pages: 230-253 DOI: 10.1016/j.jprot.2013.01.024 Published: APR 26 2013, WOS
2. [1.2] Barkla, B.J., Vera-Estrella, R., Pantoja, O. Progress and challenges for abiotic stress proteomics of crop plants Proteomics 13 (12-13) , pp. 1801-1815 , 2013, SCOPUS
3. [1.2] Li, Y.a, Zhang, Y.abc, Shi, D.b, Liu, X.a, Qin, J.d, Ge, Q.a, Xu, L.b, Pan, X.e, Li, W.f, Zhu, Y.g, Xu, J.abc Spatial-temporal analysis of zinc homeostasis reveals the response mechanisms to acute zinc deficiency in Sorghum bicolor New Phytologist Volume 200, Issue 4, December 2013, Pages 1102-1115, SCOPUS

ADCA231 NANJO, Y. - ŠKULTÉTY, Ľudovít - UVÁČKOVÁ, Ľubica - KLUBICOVÁ, Katarína - HAJDUCH, Martin - KOMATSU, S. Mass spectrometry-based analysis of proteomic changes in the root tips of flooded soybean seedlings. In *Journal of Proteome Research*, 2012, vol. 11, no.1, p. 372 - 385. (5.113 - IF2011). (2012 - Current Contents). ISSN 1535-3893.

Ohlasy:

1. [1.2] Barkla, B.J., Vera-Estrella, R., Pantoja, O. Progress and challenges for abiotic stress proteomics of crop plants Proteomics 13 (12-13) , pp. 1801-1815 , 2013, SCOPUS
2. [1.2] Li, MW (Li, Man-Wah); Qi, XP (Qi, Xinpeng); Ni, M (Ni, Meng); Lam, HM (Lam, Hon-Ming)[1] Silicon Era of Carbon-Based Life: Application of Genomics and Bioinformatics in Crop Stress Research INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES Volume: 14 Issue: 6 Pages: 11444-11483 DOI: 10.3390/ijms140611444 Published: JUN 2013, SCOPUS
3. [1.1] Shi, HT (Shi, Haitao)[1] ; Ye, TT (Ye, Tiantian)[1,2] ; Chan, ZL (Chan, Zhulong) Comparative Proteomic and Physiological Analyses Reveal the Protective Effect of Exogenous Polyamines in the Bermudagrass (Cynodon dactylon) Response to Salt and Drought Stresses JOURNAL OF PROTEOME RESEARCH Volume: 12 Issue: 11 Pages: 4951-4964, 2013, WOS
4. [1.1] Barkla, BJ (Barkla, Bronwyn J.)[1] ; Vera-Estrella, R (Vera-Estrella, Rosario)[1] ; Pantoja, O (Pantoja, Omar) Progress and challenges for abiotic stress proteomics of crop plants PROTEOMICS Volume: 13 Issue: 12-13 Pages: 1801-1815 , 2013, WOS
5. [1.1] Li, MW (Li, Man-Wah); Qi, XP (Qi, Xinpeng); Ni, M (Ni, Meng); Lam, HM (Lam, Hon-Ming)[1] Silicon Era of Carbon-Based Life: Application of Genomics and Bioinformatics in Crop Stress Research INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES Volume: 14 Issue: 6 Pages: 11444-11483, 2013, WOS
6. [1.1] CHANG, De - ZHU, Yuanfang - AN, Li - LIU, Jinwen - SU, Longxiang - GUO, Yinghua - CHEN, Zhenhong - WANG, Yajuan - WANG, Li - WANG, Junfeng - LI, Tianzhi - FANG, Xiangqun - FANG, Chengxiang - YANG, Ruifu - LIU, Changting. A multi-omic analysis of an Enterococcus faecium mutant reveals specific genetic mutations and dramatic changes in mRNA and protein expression. In BMC MICROBIOLOGY. ISSN 1471-2180, 2013, vol. 13, no., pp., WOS

ADCA232 NIEDRIG, M. - ABERLE, S. W. - FERENCZI, E. - LABUDA, Milan - ROZENTALE, B. - DONOSO-MANTKE, O. Quality control assessment for serological diagnosis of tick encephalitis virus infections. In *Journal of Clinical Virology*, 2007, vol. 38, p. 260-264. (2.630 - IF2006). ISSN 1386-6532.

Ohlasy:

1. [1.1] HAYASAKA, Daisuke - AOKI, Kotaro - MORITA, Kouichi. Development of simple and rapid assay to detect viral RNA of tick-borne encephalitis virus by reverse transcription-loop-mediated isothermal amplification. In *VIROLOGY JOURNAL*. ISSN 1743-422X, MAR 4 2013, vol. 10., WOS

ADCA233 NIEMELA, A.M. - HYNINEN, P. - MECKLIN, J.P. - KUOPIO, T. - KOKKA, A. - AALTONEN, L. - PARKKILA, A. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - WAHEED, A. - SLY, W. - OMTOT, T. - KRUIHOFFER, M. - HAAPASALO, K. - PARKKILA, S. - KIVELA, A. Carbonic anhydrase IX is highly expressed in hereditary nonpolyposis colorectal cancer. In *Cancer Epidemiology, Biomarkers & Prevention*, 2007, vol.16, no. 9, p. 1760-1766. (4.454 - IF2006). ISSN 1055-9965.

Ohlasy:

1. [1.1] Wang, N (Wang, Ning)[1] ; Chen, Y (Chen, Yang)[2] ; Han, YC (Han, Yuchen)[3] ; Zhao, Y (Zhao, Yue)[3] ; Liu, Y (Liu, Yu)[1] ; Guo, KJ (Guo, Kejian)[1] ; Jiang, Y Proteomic analysis shows down-regulations of cytoplasmic carbonic anhydrases, CAI and CAII, are early events of colorectal carcinogenesis but are not correlated with lymph node metastasis *TUMORI* Volume: 98 Issue: 6 Pages: 783-791,2012, WOS
2. [1.1] Zhou, R (Zhou, Rui)[1,2,4] ; Huang, WJ (Huang, Wenjun)[4] ; Yao, YQ (Yao, Yuqin)[1,2] ; Wang, Y (Wang, Yuxi)[1,2] ; Li, ZQ (Li, Ziqiang)[1,2] ; Shao, B (Shao, Bin)[1,2] ; Zhong, J (Zhong, Jian)[1,2] ; Tang, MH (Tang, Minghai)[1,2] ; Liang, SF (Liang, Shufang)[1,2] ; Zhao, X (Zhao, Xia)[3] ; Tong, AP (Tong, Aiping)[1,2] ; Yang, JL CA II, a potential biomarker by proteomic analysis, exerts significant inhibitory effect on the growth of colorectal cancer cells *INTERNATIONAL JOURNAL OF ONCOLOGY* Volume: 43 Issue: 2 Pages: 611-621,2013, WOS
3. [1.1] Hassan, MI (Hassan, Md Imtaiyaz)[1,3] ; Shajee, B (Shajee, Bushra)[2] ; Waheed, A (Waheed, Abdul)[3] ; Ahmad, F (Ahmad, Faizan)[1] ; Sly, WS Structure, function and applications of carbonic anhydrase isozymes *BIOORGANIC & MEDICINAL CHEMISTRY* Volume: 21 Issue: 6 Pages: 1570-1582, 2013, WOS

ADCA234 NORDER, H. - LUNDSTROM, J.O. - KOŽUCH, Otto - MAGNIS, L.O. Genetic relatedness of Sindbis virus from Europe, Middle East and Africa. In *Virology*, 1996, vol. 222, no. 2, p. 440 - 445. (3.901 - IF1995). (1996 - Current Contents). ISSN 0042-6822.

Ohlasy:

1. [1.1] Sokolova, T. M.; Shuvalov, A. N Recombinant interferon-alpha suppression of Karelian fever virus replication in human blood cells *Voprosy Virusologii* Volume: 57 Issue: 2 Pages: 27-31 Published: MAR-APR 2012, WOS

ADCA235 NORDFORS, K. - HAAPASALO, J. - KORJA, M. - NIEMELÄ, A. - LAINE, J. - PARKKILA, A.K. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - WAHEED, A. - SLY, W.S. - PARKKILA, S. - HAAPASALO, H. The tumor - associated carbonic anhydrases CAII, CA IX and CA XII in a group of medulloblastomas and supratentorial primitive neuroectodermal tumours: an association of CA IX with poor prognosis. In *BMC Cancer*, 2010, vol. 10, no., p. 148. (2.736 - IF2009). (2010 - Current Contents). ISSN 1471-2407.

Ohlasy:

1. [1.1] Ilie, M (Ilie, Marius)[1,2,3] ; Hofman, V (Hofman, Veronique)[1,2,3,4] ; Zangari, J (Zangari, Josephine)[2,3] ; Chiche, J (Chiche, Johanna)[5] ; Mouroux, J (Mouroux, Jerome)[2,3,6] ; Mazure, NM (Mazure, Nathalie M.)(3,7] ; Pouyssegur, J (Pouyssegur, Jacques)[3,7] ; Brest, P (Brest, Patrick)[2,3] ; Hofman, P Response of CAIX and CAXII to in vitro re-oxygenation and clinical significance of the combined expression in NSCLC patients *LUNG CANCER* Volume: 82 Issue: 1 Pages: 16-23, 2013, WOS
2. [1.1] Gieling, Roben G.; Williams, Kaye J. Carbonic anhydrase IX as a target for metastatic disease *BIOORGANIC & MEDICINAL CHEMISTRY* Volume: 21 Issue: 6 Pages: 1470-1476 Published: MAR 15 2013, WOS

ADCA236 NOVÁK, Michal - KABÁT, Juraj - WISCHIK, C.M. Molecular characterization of the minimal protease resistant tau-unit of the alzheimers-disease paired helical filament. In *EMBO journal : European Molecular Biology Organization*, 1993, vol.12, p. 365-370. ISSN 0261-4189.

Ohlasy:

1. [1.2] Jarero-Basulto, J.J.a, Luna-Muñoz, J.b, Mena, R.c, Kristofikova, Z.d, Ripova, D.d, Perry, G.e, Binder, L.I.f, Garcia-Sierra, F. Proteolytic cleavage of polymeric tau protein by caspase-3: Implications for Alzheimer disease *Journal of Neuropathology and Experimental Neurology* Volume 72, Issue 12, December 2013, Pages 1145-1161, SCOPUS
2. [1.2] Iqbal, K.ab, Gong, C.-X.a, Liu, F. Hyperphosphorylation-induced tau oligomers in *Neurology* Volume 4 AUG, 2013, Article number Article 112, SCOPUS
3. [1.2] Cowan, C.M., Mudher, A. *Frontiers in Neurology* Volume 4 AUG, 2013, Article number Article 114, SCOPUS
4. [1.2] Minjarez, B.a, Rustarazo, M.L.V.b, Sanchez Del Pino, M.M.bf, González-Robles, A.c, Sosa-Melgarejo, J.A.d, Luna-Muñoz, J.e, Mena, R.e, Luna-Arias, J.P. Identification of polypeptides in neurofibrillary tangles and total homogenates of brains with Alzheimer's disease by tandem mass spectrometry *Journal of Alzheimer's Disease* Volume 34, Issue 1, 2013, Pages 239-262, SCOPUS
5. [1.2] Wang, J.-Z.a, Xia, Y.-Y.a, Grundke-Iqbal, I.b, Iqbal, K. bnormal hyperphosphorylation of tau: Sites, regulation, and molecular mechanism of neurofibrillary degeneration *Journal of Alzheimer's Disease* Volume 33, Issue SUPPL. 1, 2013, Pages S123-S139, SCOPUS

ADCA237 NOVÁKOVÁ, Slavomíra - KOLLEROVÁ, Edita - KLAUDINY, Jaroslav - ŠUBR, Zdeno W.. Expression of a part of the Potato virus A non-structural protein P3 in *Escherichia coli* for the purpose of antibody preparation and P3 immunodetection in plant material. In *Journal of Virological Methods*, 2006, vol. 137, no. 2, p. 229 - 235. (2.139 - IF2005). (2006 - Current Contents). ISSN 0166-0934.

Ohlasy:

1. [1.1] 1. Vijayanandraj, S; Yogita, M; Das, A; Ghosh, A; Mandal, B Highly efficient immunodiagnosis of Large cardamom chirke virus using the polyclonal antiserum against *Escherichia coli* expressed recombinant coat protein INDIAN JOURNAL OF VIROLOGY Volume: 24 Issue: 2 pages 227-234, 2013, WOS

ADCA238 NUTTALL, Patricia A. - LABUDA, Milan. Tick-host interactions: saliva-activated transmission. In *Parasitology*, 2004, vol. 129, p. 117-189 DOI: 10.1017/S0031182004005633. (1.821 - IF2003). (2004 - Current Contents). ISSN 0031-1820.

Ohlasy:

1. [1.2] EMBERS Monica E., NARASIMHAN Sukanya (2013) Vaccination against Lyme disease: past, present, and future. FRONTIERS IN CELLULAR AND INFECTION MICROBIOLOGY Vol. 3, Special section p1. 48 pp. <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3569838/#!po=82.2917>, SCOPUS

ADCA239 ODA, W. - MISTRÍKOVÁ, Jela - STANČEKOVÁ, Marta - DUTIA, B. - NASH, A. - TAKAHATA, K. - JIN, Z. - OKA, T. - HAYASHI, K. Analysis of genomic homology of murine gammaherpesvirus (MHV-72) to MHV-68 and impact of MHV-72 on the survival and tumorigenesis in the MHV-72 infected CB17 scid/scid and CB17+/+ mice. In *Pathology International*, 2005, vol. 55, p. 558 - 568.

Ohlasy:

1. [1.1] Pancik, P (Pancik, P.)[1] ; Bauerova-Hlinkova, V (Bauerova-Hlinkova, V.)[2] ; Kudelova, M Purification of recombinant M3 proteins of murine gammaherpesviruses 68 and 72 expressed in *Escherichia coli* ACTA VIROLOGICA Volume: 57 Issue: 1 Pages: 59-68, 2013, WOS

ADCA240 OHRAĐANOVÁ, Anna - GRADIN, Katarína - BARÁTHOVÁ, Monika - ZAŤOVIČOVÁ, Miriam - HOLOTŇÁKOVÁ, Terézia - KOPÁČEK, Juraj - PARKKILA, S. - POELLINGER, L. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír. Hypoxia upregulates expression of human endosialin gene via hypoxia - inducible factor 2. In *British Journal of Cancer*, 2008, vol. 99, no. 8, p. 1348 - 1356. (4.635 - IF2007). (2008 - Current Contents). ISSN 1532-1827.

Ohlasy:

1. [1.1] Kotake, Daisuke; Hirasawa, Noriyasu Activation of a retinoic acid receptor pathway by thiazolidinediones induces production of vascular endothelial growth factor/vascular permeability factor in OP9 adipocytes EUROPEAN JOURNAL OF PHARMACOLOGY Volume: 707 Issue: 1-3 Pages: 95-103 Published: MAY 5 2013, WOS

2. [1.2] Smith, S.W. Progressive interstitial fibrosis in chronic kidney disease Renal Failure: Prevention, Causes and Treatment 2013, Pages 1-15, SCOPUS

ADCA241 OPAVSKÝ, René - PASTOREKOVÁ, Silvia - ZELNÍK, Vladimír - GIBADULINOVA, Adriana - STANBRIDGE, E.J. - ZÁVADA, Ján - KETTMANN, R. - PASTOREK, Jaromír. Human MN/CA9 gene, a novel member of the carbonic anhydrase family: structure and exon to protein domain relationships. In *Genomics*, 1996, vol. 33, p. 480 - 487. (4.089 - IF1995). (1996 - Current Contents). ISSN 0888-7543.

Ohlasy:

1. [1.1] Stillebroer, AB (Stillebroer, Alexander B.)[1,2] ; Boerman, OC (Boerman, Otto C.)[2] ; Desar, IME (Desar, Ingrid M. E.)[3] ; Boers-Sonderen, MJ (Boers-Sonderen, Marije J.)[3] ; van Herpen, CML (van Herpen, Carla M. L.)[3] ; Langenhuijsen, JF (Langenhuijsen, Johannes F.)[1] ; Smith-Jones, PM (Smith-Jones, Peter M.)[4] ; Oosterwijk, E (Oosterwijk, Egbert)[1] ; Oyen, WJG (Oyen, Wim J. G.)[2] ; Mulders, PFA Phase 1 Radioimmunotherapy Study with Lutetium 177-labeled Anti-Carbonic Anhydrase IX Monoclonal Antibody Girentuximab in Patients with Advanced Renal Cell Carcinoma EUROPEAN UROLOGY Volume: 64 Issue: 3 Pages: 478-485, 2013, WOS
2. [1.1] Zhu, Y (Zhu, Yao)[1,3] ; Zhou, XY (Zhou, Xiao-Yan)[2,3] ; Yao, XD (Yao, Xu-Dong)[1,3] ; Zhang, SL (Zhang, Shi-Lin)[1,3] ; Dai, B (Dai, Bo)[1,3] ; Zhang, HL (Zhang, Hai-Liang)[1,3] ; Shen, YJ (Shen, Yi-Jun)[1,3] ; Ye, DW Prognostic value of carbonic anhydrase IX expression in penile squamous cell carcinoma: A pilot study UROLOGIC ONCOLOGY-SEMINARS AND ORIGINAL INVESTIGATIONS Volume: 31 Issue: 5 Pages: 706-711, 2013, WOS
3. [1.1] Muselaers, CHJ (Muselaers, Constantijn H. J.)[1,2] ; Boerman, OC (Boerman, Otto C.)[2] ; Oosterwijk, E (Oosterwijk, Egbert)[1] ; Langenhuijsen, JF (Langenhuijsen, Johannes F.)[1] ; Oyen, WJG (Oyen, Wim J. G.)[2] ; Mulders, PFA Indium-111-labeled Girentuximab ImmunoSPECT as a Diagnostic Tool in Clear Cell Renal Cell Carcinoma EUROPEAN UROLOGY Volume: 63 Issue: 6 Pages: 1101-1106, 2013, WOS
4. [1.1] Porter, CA (Porter, Calvin A.)[1] ; Hewett-Emmett, D (Hewett-Emmett, David); Tashian, RE Carbonic Anhydrase-Related Protein XI: Structure of the Gene in the Greater False Vampire Bat (Megaderma lyra) Compared with Human and Domestic Pig BIOCHEMICAL GENETICS Volume: 51 Issue: 5-6 Pages: 474-481, 2013, WOS
5. [1.1] Aggarwal, Mayank; Kondeti, Bhargav; McKenna, Robert Anticonvulsant/antiepileptic carbonic anhydrase inhibitors: a patent review EXPERT OPINION ON THERAPEUTIC PATENTS Volume: 23 Issue: 6 Pages: 717-724 Published: JUN 2013, WOS
6. [1.1] Monti, Simona Maria; Supuran, Claudiu T.; De Simone, Giuseppina Anticancer carbonic anhydrase inhibitors: a patent review (2008-2013) EXPERT OPINION ON THERAPEUTIC PATENTS Volume: 23 Issue: 6 Pages: 737-749 Published: JUN 2013, WOS
7. [1.1] Muselaers, S (Muselaers, Stijn)[1,2] ; Mulders, P (Mulders, Peter)[2] ; Oosterwijk, E (Oosterwijk, Egbert)[2] ; Oyen, W (Oyen, Wim)[1] ; Boerman, O Molecular imaging and carbonic anhydrase IX-targeted radioimmunotherapy in clear cell renal cell carcinoma IMMUNOTHERAPY, Volume: 5 Issue: 5 Pages: 489-495, 2013, WOS
8. [1.1] Liao, SY (Liao, S. Y.)[1] ; Rodgers, WH (Rodgers, W. H.)[2] ; Kauderer, J (Kauderer, J.)[3] ; Darc, KM (Darc, K. M.)[3] ; Carter, R (Carter, R.)[3] ; Susumu, N (Susumu, N.)[4] ; Nagao, S (Nagao, S.)[5] ; Walker, JL (Walker, J. L.)[6] ; Hatae, M (Hatae, M.)[7] ; Stanbridge, EJ (Stanbridge, E. J.) Endocervical glandular neoplasia associated with lobular endocervical glandular hyperplasia is HPV-independent and correlates with carbonic anhydrase-IX expression: a Gynaecological Oncology Group Study BRITISH JOURNAL OF CANCER Volume: 108 Issue: 3 Pages: 613-620, 2013, WOS
9. [1.1] Povoski, SP (Povoski, Stephen P.)[1] ; Hall, NC (Hall, Nathan C.); Murrey, DA (Murrey, Douglas A., Jr.); Sharp, DS (Sharp, David S.); Hitchcock, CL (Hitchcock, Charles L.); Mojzisik, CM (Mojzisik, Cathy M.); Bahnson, EE (Bahnson, Eamonn E.); Knopp, MV (Knopp, Michael V.); Martin, EW (Martin, Edward W., Jr.); Bahnson, RR Multimodal Imaging and Detection Strategy With 124 I-Labeled Chimeric Monoclonal Antibody cG250 for Accurate Localization and Confirmation of Extent of Disease During Laparoscopic and Open Surgical Resection of Clear Cell Renal Cell Carcinoma SURGICAL INNOVATION Volume: 20 Issue: 1 Pages: 59-69, 2013, WOS
10. [1.1] Shan, XH (Shan, Xiuhong)[1,2] ; Wang, DH (Wang, Dehang)[1] ; Chen, JH (Chen, Jianhua)[2] ; Xiao, XD (Xiao, Xiudi)[2] ; Jiang, YN (Jiang, Yanni)[1] ; Wang, YF (Wang, Yafei)[2] ;

Fan, Y Necrosis Degree Displayed in Computed Tomography Images Correlated With Hypoxia and Angiogenesis in Breast Cancer JOURNAL OF COMPUTER ASSISTED TOMOGRAPHY Volume: 37 Issue: 1 Pages: 22-28, 2013, WOS

11. [1.1] Shah, SSA (Shah, Syed Shoaib Ahmad)[2] ; Rivera, G (Rivera, Gildardo)[1] ; Ashfaq, M Recent Advances in Medicinal Chemistry of Sulfonamides. Rational Design as Anti-Tumoral, Anti-Bacterial and Anti-Inflammatory Agents MINI-REVIEWS IN MEDICINAL CHEMISTRY Volume: 13 Issue: 1 Pages: 70-86 , 2013, WOS

12. [1.1] Stillebroer, A.B.ab , Boerman, O.C.b, Desar, I.M.E.c, Boers-Sonderen, M.J.c, Van Herpen, C.M.L.c, Langenhuijsen, J.F.a, Smith-Jones, P.M.d, Oosterwijk, E.a, Oyen, W.J.G.b, Mulders, P.F.A. Phase 1 radioimmunotherapy study with lutetium 177-labeled anti-carbonic anhydrase ix monoclonal antibody girentuximab in patients with advanced renal cell carcinoma Phase 1 radioimmunotherapy study with lutetium 177-labeled anti-carbonic anhydrase ix monoclonal antibody girentuximab in patients with advanced renal cell carcinoma European Urology Volume 64, Issue 3, September 2013, Pages 478-485, 2013, SCOPUS

13. [1.2] Porter, C.A.a , Hewett-Emmett, D.b , Tashian, R.E. Carbonic anhydrase-related protein XI: Structure of the gene in the greater false vampire bat (Megaderma lyra) compared with human and domestic pig Biochemical Genetics Volume 51, Issue 5-6, June 2013, Pages 474-481, SCOPUS

ADCA242 SLABÁ, Katarína - HUSSEIN, A. - PALKOVIČ, Peter - HORVÁTH, Vladimír - TOMAN, Rudolf. Studies on the Immunological Role of Virenose and Dihydrohydroxystreptose Present in the Coxiella burnetii Phase I Lipopolysaccharide. In *Annals of the New York Academy of Sciences.*, 2003, vol. 990, p. 505-509. (1.682 - IF2002).

Ohlasy:

1. [1.1] Islam, A (Islam, Aminul)[1] ; Lockhart, M (Lockhart, Michelle); Stenos, J (Stenos, John); Graves, S (Graves, Stephen) Short Report: The Attenuated Nine Mile Phase II Clone 4/RSA439 Strain of Coxiella burnetii Is Highly Virulent for Severe Combined Immunodeficient (SCID) Mice AMERICAN JOURNAL OF TROPICAL MEDICINE AND HYGIENE Volume: 89 Issue: 4 Pages: 800-803, 2013, WOS

ADCA243 PAN, Pei-wen - PARKKILA, Anna-Kaisa - SALLA, Autio - HILVO, Mika - SORMUNEN, Raija - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - HAAPASALO, H. - PARKKILA, S. Brain phenotype of carbonic anhydrase IX-deficient mice. In *Transgenic Research*, 2012, vol. 21, no. 1, p. 163 - 176. (2.754 - IF2011). (2012 - Current Contents). ISSN 0962-8819.

Ohlasy:

1. [1.1] Yang, MT (Yang, Ming-Tao)[1,2] ; Chien, WL (Chien, Wei-Lin)[2] ; Lu, DH (Lu, Dai-Hua)[2] ; Liou, HC (Liou, Houn-Chi)[2] ; Fu, WM Acetazolamide impairs fear memory consolidation in rodents NEUROPHARMACOLOGY Volume: 67 Pages: 412-418, 2013, WOS

ADCA244 PARKKILA, S. - RAJANIEMI, H. - PARKKILA, A.K. - KIVELÄ, J. - WAHEED, A. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - SLY, W.S. Carbonic anhydrase inhibitor suppresses invasion of renal cancer cell in vitro. In *Proceedings of the National Academy of Sciences of the United States of America*, 2000, vol. 97, no. 5, p. 2220 - 2224.

Ohlasy:

1. [1.1] Phueaouan, T (Phueaouan, Thanong)[1] ; Chaiyawat, P (Chaiyawat, Parunya)[1] ; Netsirisawan, P (Netsirisawan, Pukkavadee)[1] ; Chokchaichamnankit, D (Chokchaichamnankit, Daranee)[2] ; Punyarit, P (Punyarit, Phaibul)[3] ; Srisomsap, C (Srisomsap, Chantragan)[2] ; Svasti, J (Svasti, Jisnusun)[1,2] ; Champattanachai, V Aberrant O-GlcNAc-modified proteins expressed in primary colorectal cancer ONCOLOGY REPORTS Volume: 30 Issue: 6 Pages: 2929-2936, 2013, WOS

2. [1.1] Slawinski, J (Slawinski, Jaroslaw)[1] ; Szafranski, K (Szafranski, Krzysztof)[1] ; Vullo, D (Vullo, Daniela)[2] ; Supuran, CT Carbonic anhydrase inhibitors. Synthesis of heterocyclic 4-substituted pyridine-3-sulfonamide derivatives and their inhibition of the human cytosolic isozymes I and II and transmembrane tumor-associated isozymes IX and XII EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY Volume: 69 Pages: 701-710, 2013, WOS

3. [1.1] Kato, Y (Kato, Yasumasa)[1] ; Ozawa, S (Ozawa, Shigeyuki)[2] ; Miyamoto, C (Miyamoto,

- Chihiro)[3] ; Maehata, Y (Maehata, Yojiro)[3] ; Suzuki, A (Suzuki, Atsuko)[1] ; Maeda, T (Maeda, Toyonobu)[1] ; Baba, Y Acidic extracellular microenvironment and cancer CANCER CELL INTERNATIONAL Volume: 13, Article Number: 89, 2013, WOS
4. [1.1] Mokhtari, RB (Mokhtari, Reza Bayat)[1,3] ; Kumar, S (Kumar, Sushil)[1,2] ; Islam, SS (Islam, Syed S.)[4] ; Yazdanpanah, M (Yazdanpanah, Mehrdad)[3] ; Adeli, K (Adeli, Khosrow)[1,3,4] ; Cutz, E (Cutz, Ernest)[1,3,5] ; Yeager, H Combination of carbonic anhydrase inhibitor, acetazolamide, and sulforaphane, reduces the viability and growth of bronchial carcinoid cell lines BMC CANCER Volume: 13, Article Number: 378, 2013, WOS
5. [1.1] Carta, Fabrizio; Supuran, Claudiu T Diuretics with carbonic anhydrase inhibitory action: a patent and literature review (2005-2013) EXPERT OPINION ON THERAPEUTIC PATENTS Volume: 23 Issue: 6 Pages: 681-691 Published: JUN 2013, WOS
6. [1.1] Liu, LC (Liu, Li-Cheng)[1] ; Xu, WT (Xu, Wen-Tong)[1] ; Wu, X (Wu, Xin)[1] ; Zhao, P (Zhao, Po)[2] ; Lv, YL (Lv, Ya-Li)[2] ; Chen, L Overexpression of carbonic anhydrase II and Ki-67 proteins in prognosis of gastrointestinal stromal tumors WORLD JOURNAL OF GASTROENTEROLOGY Volume: 19 Issue: 16 Pages: 2473-2480, 2013, WOS
7. [1.1] Al-Husari, Maymona; Webb, Steven D Regulation of tumour intracellular pH: A mathematical model examining the interplay between H⁺ and lactate JOURNAL OF THEORETICAL BIOLOGY Volume: 322 Pages: 58-71 Published: APR 7 2013, WOS
8. [1.1] Mohammadpour, R (Mohammadpour, Raziye)[1] ; Safarian, S (Safarian, Shahrokh)[1] ; Sheibani, N (Sheibani, Nader)[2] ; Norouzi, S (Norouzi, Saeed)[1] ; Razazan, A Death inducing and cytoprotective autophagy in T-47D cells by two common antibacterial drugs: sulphathiazole and sulphacetamide CELL BIOLOGY INTERNATIONAL Volume: 37 Issue: 4 Pages: 348-358, 2013, WOS
9. [1.1] Sheng, WW (Sheng, Weiwei)[1] ; Dong, M (Dong, Ming)[1] ; Zhou, JP (Zhou, Jianping)[1] ; Li, X (Li, Xin)[1] ; Dong, Q Down regulation of CAII is associated with tumor differentiation and poor prognosis in patients with pancreatic cancer JOURNAL OF SURGICAL ONCOLOGY Volume: 107 Issue: 5 Pages: 536-543, 2013, WOS
10. [1.1] Gieling, RG (Gieling, Roben G.)[1] ; Parker, CA (Parker, Catriona A.)[2] ; De Costa, LA (De Costa, Lisa A.)[2] ; Robertson, N (Robertson, Naomi)[3] ; Harris, AL (Harris, Adrian L.)[3] ; Stratford, IJ (Stratford, Ian J.)[2] ; Williams, KJ Inhibition of carbonic anhydrase activity modifies the toxicity of doxorubicin and melphalan in tumour cells in vitro JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY Volume: 28 Issue: 2 Pages: 360-369, 2013, WOS

ADCA245 PARKKILA, S. - LASOTA, J. - FLETCHER, J.A. - OU, W.B. - KIVELA, A.J. - PARKKILA, A.K. - OLLIKAINEN, J. - WASHEED, A. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - ISOLA, Jorma - MIETTINEN, M. Carbonic anhydrase II. A novel biomarker for gastrointestinal stromal tumors. In *Modern Pathology*, 2010, vol. 23, no. 5, p. 743-750. (4.406 - IF2009). (2010 - Current Contents). ISSN 0893-3952.

Ohlasy:

1. [1.1] Liu, LC (Liu, Li-Cheng)[1] ; Xu, WT (Xu, Wen-Tong)[1] ; Wu, X (Wu, Xin)[1] ; Zhao, P (Zhao, Po)[2] ; Lv, YL (Lv, Ya-Li)[2] ; Chen, L Overexpression of carbonic anhydrase II and Ki-67 proteins in prognosis of gastrointestinal stromal tumors WORLD JOURNAL OF GASTROENTEROLOGY Volume: 19 Issue: 16 Pages: 2473-2480, 2013, WOS
2. [1.1] Sheng, WW (Sheng, Weiwei)[1] ; Dong, M (Dong, Ming)[1] ; Zhou, JP (Zhou, Jianping)[1] ; Li, X (Li, Xin)[1] ; Dong, Q Down regulation of CAII is associated with tumor differentiation and poor prognosis in patients with pancreatic cancer JOURNAL OF SURGICAL ONCOLOGY Volume: 107 Issue: 5 Pages: 536-543, 2013, WOS
3. [1.2] Katz, S.C.a , Burga, R.A.a , Naheed, S.a , Licata, L.A.a , Thorn, M.a , Osgood, D.a , Nguyen, C.T.a , Espat, N.J.a , Fletcher, J.A.c , Junghans, R.P. Anti-KIT designer T cells for the treatment of gastrointestinal stromal tumor Journal of Translational Medicine Volume 11, Issue 1, 21 February 2013, Article number 46, SCOPUS
4. [1.1] Mocharla, VP (Mocharla, Vani P.)[1] ; Walsh, JC (Walsh, Joseph C.)[1] ; Padgett, HC (Padgett, Henry C.)[1] ; Su, H (Su, Helen)[2] ; Fueger, B (Fueger, Barbara)[2] ; Weber, WA (Weber, Wolfgang A.)[2] ; Czernin, J (Czernin, Johannes)[2] ; Kolb, HC From In Situ to In Vivo: An In Situ Click-Chemistry-Derived Carbonic Anhydrase II Imaging Agent for Positron Emission Tomography CHEMMEDCHEM Volume: 8 Issue: 1 Pages: 43-48, 2013, WOS

5. [1.2] Zhou, R.ac, Huang, W.c, Yao, Y.a, Wang, Y.a, Li, Z.a, Shao, B.a, Zhong, J.a, Tang, M.a, Liang, S.a, Zhao, X.b, Tong, A.a , Yang, J. CA II, a potential biomarker by proteomic analysis, exerts significant inhibitory effect on the growth of colorectal cancer cells International Journal of Oncology Volume 43, Issue 2, August 2013, Pages 611-621, SCOPUS
6. [1.2] Wardelmann, E. Gastrointestinal stromal tumours: Pathology and differential diagnosis Diagnostic Histopathology Volume 19, Issue 6, June 2013, Pages 211-219, SCOPUS

ADCA246 PASTOREK, Jaromír - PASTOREKOVÁ, Silvia - CALLEBAUT, I. - MORNON, J.P. - ZELNÍK, Vladimír - OPAVSKÝ, René - ZAŤOVIČOVÁ, Miriam - LIAO, S. - PORTETELLE, D. - STANBRIDGE, E.J. - ZÁVADA, Ján - BURNÝ, A. - KETTMAN, R. Cloning and characterization of MN a human tumor-associated protein with a domain homologous to carbonic anhydrase and a putative helix-loop-helix DNA binding segment. In *Oncogene*, 1994, vol. 9, no. 10, p. 2877 - 2888. (6.991 - IF1993). ISSN 0950-9232.

Ohlasy:

1. [1.1] Slawinski, J (Slawinski, Jaroslaw)[1] ; Szafranski, K (Szafranski, Krzysztof)[1] ; Vullo, D (Vullo, Daniela)[2] ; Supuran, CT Carbonic anhydrase inhibitors. Synthesis of heterocyclic 4-substituted pyridine-3-sulfonamide derivatives and their inhibition of the human cytosolic isozymes I and II and transmembrane tumor-associated isozymes IX and XII EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY Volume: 69 Pages: 701-710, 2013, WOS
2. [1.1] Parks, SK (Parks, Scott K.)[1] ; Chiche, J (Chiche, Johanna)[2] ; Pouyssegur, J Disrupting proton dynamics and energy metabolism for cancer therapy NATURE REVIEWS CANCER Volume: 13 Issue: 9 Pages: 611-623, 2013, WOS
3. [1.1] Stillebroer, AB (Stillebroer, Alexander B.)([1,2] ; Boerman, OC (Boerman, Otto C.)([2] ; Desar, IME (Desar, Ingrid M. E.)([3] ; Boers-Sonderen, MJ (Boers-Sonderen, Marije J.)([3] ; van Herpen, CML (van Herpen, Carla M. L.)([3] ; Langenhuijsen, JF (Langenhuijsen, Johannes F.)([1] ; Smith-Jones, PM (Smith-Jones, Peter M.)([4] ; Oosterwijk, E (Oosterwijk, Egbert)([1] ; Oyen, WJG (Oyen, Wim J. G.)([2] ; Mulders, PFA Phase 1 Radioimmunotherapy Study with Lutetium 177-labeled Anti-Carbonic Anhydrase IX Monoclonal Antibody Girentuximab in Patients with Advanced Renal Cell Carcinoma EUROPEAN UROLOGY Volume: 64 Issue: 3 Pages: 478-485, 2013, WOS
4. [1.1] Oosterwijk-Wakka, JC (Oosterwijk-Wakka, Jeannette C.)([1] ; Boerman, OC (Boerman, Otto C.)([2] ; Mulders, PFA (Mulders, Peter F. A.)([3] ; Oosterwijk, E Application of Monoclonal Antibody G250 Recognizing Carbonic Anhydrase IX in Renal Cell Carcinoma INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES Volume: 14 Issue: 6 Pages: 11402-11423, 2013, WOS
5. [1.1] Muselaers, CHJ (Muselaers, Constantijn H. J.)([1,2] ; Boerman, OC (Boerman, Otto C.)([2] ; Oosterwijk, E (Oosterwijk, Egbert)([1] ; Langenhuijsen, JF (Langenhuijsen, Johannes F.)([1] ; Oyen, WJG (Oyen, Wim J. G.)([2] ; Mulders, PFA Indium-111-labeled Girentuximab ImmunoSPECT as a Diagnostic Tool in Clear Cell Renal Cell Carcinoma EUROPEAN UROLOGY Volume: 63 Issue: 6 Pages: 1101-1106, 2013, WOS
6. [1.1] Carta, Fabrizio; Supuran, Claudiu T. Diuretics with carbonic anhydrase inhibitory action: a patent and literature review (2005-2013) EXPERT OPINION ON THERAPEUTIC PATENTS Volume: 23 Issue: 6 Pages: 681-691 Published: JUN 2013, WOS
7. [1.1] Monti, Simona Maria; Supuran, Claudiu T.; De Simone, Giuseppina Anticancer carbonic anhydrase inhibitors: a patent review (2008-2013) EXPERT OPINION ON THERAPEUTIC PATENTS Volume: 23 Issue: 6 Pages: 737-749 Published: JUN 2013, WOS
8. [1.1] Muselaers, S (Muselaers, Stijn)([1,2] ; Mulders, P (Mulders, Peter)([2] ; Oosterwijk, E (Oosterwijk, Egbert)([2] ; Oyen, W (Oyen, Wim)([1] ; Boerman, O Molecular imaging and carbonic anhydrase IX-targeted radioimmunotherapy in clear cell renal cell carcinoma IMMUNOTHERAPY Volume: 5 Issue: 5 Pages: 489-495, 2013, WOS
9. [1.1] Hulikova, A (Hulikova, Alzbeta)([1] ; Harris, AL (Harris, Adrian L.)([2] ; Vaughan-Jones, RD (Vaughan-Jones, Richard D.)([1] ; Swietach, P Regulation of intracellular pH in cancer cell lines under normoxia and hypoxia JOURNAL OF CELLULAR PHYSIOLOGY Volume: 228 Issue: 4 Pages: 743-752, 2013, WOS
10. [1.1] Winum, Jean-Yves; Colinas, Pedro A.; Supuran, Claudiu T. Glycosidic carbonic anhydrase IX inhibitors: A sweet approach against cancer BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1419-1426 Published: MAR 15 2013, WOS

11. [1.1] Aggarwal, Mayank; Kondeti, Bhargav; McKenna, Robert Insights towards sulfonamide drug specificity in alpha-carbonic anhydrases BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1526-1533 Published: MAR 15 2013, WOS
12. [1.1] Papi, A (Papi, Alessio)[1] ; Storci, G (Storci, Gianluca)[2,3] ; Guarnieri, T (Guarnieri, Tiziana)[1,3,4] ; De Carolis, S (De Carolis, Sabrina)[2] ; Bertoni, S (Bertoni, Sara)[3] ; Avenia, N (Avenia, Nicola)[5] ; Sanguinetti, A (Sanguinetti, Alessandro)[5] ; Sidoni, A (Sidoni, Angelo)[6] ; Santini, D (Santini, Donatella)[7] ; Ceccarelli, C (Ceccarelli, Claudio)[1] ; Taffurelli, M (Taffurelli, Mario)[8] ; Orlandi, M (Orlandi, Marina)[1] ; Bonafe, M Peroxisome Proliferator Activated Receptor-alpha/Hypoxia Inducible Factor-1 alpha Interplay Sustains Carbonic Anhydrase IX and Apolipoprotein E Expression in Breast Cancer Stem Cells PLOS ONE Volume: 8 Issue: 1, 2013, WOS
13. [1.1] Russ, Gustav; Kopacek, Juraj Special issue of Acta virologica to the 60th anniversary of foundation of the Institute of Virology of the Slovak Academy of Sciences INTRODUCTION ACTA VIROLOGICA Volume: 57 Issue: 2 Special Issue: SI Pages: 88-90 Published: 2013, WOS
14. [1.2] Shareef, M.M.ab , Udayakumar, T.S.ab, Sinha, V.K.abc, Saleem, S.M.d, Griggs, W.W. Interaction of HIF-1 α and Notch3 Is Required for the Expression of Carbonic Anhydrase 9 in Breast Carcinoma Cells Genes and Cancer Volume 4, Issue 11-12, November 2013, Pages 513-523, SCOPUS
15. [1.2] Moreno-Acosta, P.a , Carrillo, S.a, Gamboa, O.b, Acosta, Y.c, Balart-Serra, J.d, Magne, N.e, Melo-Urbe, M.A.f, Romero-Rojas, A.E. Expression of the hypoxic and glycolytic markers, CAIX, GLUT-1 and HKII and their association with early treatment response in squamous cell carcinomas of the uterine cervix [Expresión de marcadores hipóxicos y glucolíticos CAIX, GLUT-1, HKII y su relación con la respuesta temprana al tratamiento en carcinoma escamocelular de cuello uterino] Progresos de Obstetricia y Ginecologia Volume 56, Issue 8, October 2013, Pages 404-413, SCOPUS
16. [1.1] Said, H.M. Determination human brain tumor marker gene carbonic anhydrase 9 (CA9) gene expression in different type of brain tumor cells 2013 ICME International Conference on Complex Medical Engineering, CME 2013 2013, Article number 6548278, Pages 403-407, SCOPUS

ADCA247 PASTOREKOVÁ, Silvia - ZÁVADOVÁ, Zuzana - KOŠŤÁL, Michal - BABUŠÍKOVÁ, Oľga - ZÁVADA, Ján. A novel quasi-viral agent, MATU, is a 2-component system. In *Virology*, 1992, vol. 187, no. 2, p. 620-626. (1992 - Current Contents). ISSN 0042-6822.

Ohlasy:

1. [1.1] Schaaf, MBE (Schaaf, Marco B. E.)(1] ; Cojocari, D (Cojocari, Dan)[2,3,4] ; Keulers, TG (Keulers, Tom G.)(1] ; Jutten, B (Jutten, Barry)(1] ; Starmans, MH (Starmans, Maud H.)(1] ; de Jong, MC (de Jong, Monique C.)(5] ; Begg, AC (Begg, Adrian C.)(5] ; Savelkoul, KGM (Savelkoul, Kim G. M.)(1] ; Bussink, J (Bussink, Johan)(6] ; Vooijs, M (Vooijs, Marc)(1] ; Wouters, BG (Wouters, Bradley G.)(1,2,3,4,7,8] ; Rouschop, KMA The autophagy associated gene, ULK1, promotes tolerance to chronic and acute hypoxia RADIOTHERAPY AND ONCOLOGY Volume: 108 Issue: 3 Pages: 529-534, 2013, WOS
2. [1.1] Suthar, SK (Suthar, Sharad Kumar)(1] ; Bansal, S (Bansal, Sumit)(1] ; Lohan, S (Lohan, Sandeep)(1] ; Modak, V (Modak, Vikarm)(2] ; Chaudhary, A (Chaudhary, Anil)(3] ; Tiwari, A Design and synthesis of novel 4-(4-oxo-2-arylthiazolidin-3-yl) benzenesulfonamides as selective inhibitors of carbonic anhydrase IX over I and II with potential anticancer activity EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY Volume: 66 Pages: 372-379, 2013, WOS
3. [1.1] Ino, Y (Ino, Yoshinori)(1] ; Yamazaki-Ittoh, R (Yamazaki-Ittoh, Rie)(1] ; Oguro, S (Oguro, Seiji)(1] ; Shimada, K (Shimada, Kazuaki)(2] ; Kosuge, T (Kosuge, Tomoo)(2] ; Zavada, J (Zavada, Jan)(3] ; Kanai, Y (Kanai, Yae)(1] ; Hiraoka, N Arginase II Expressed in Cancer-Associated Fibroblasts Indicates Tissue Hypoxia and Predicts Poor Outcome in Patients with Pancreatic Cancer PLOS ONE Volume: 8 Issue: 2, Article Number: e55146, 2013, WOS

ADCA248 PASTOREKOVÁ, Silvia - ZÁTOVIČOVÁ, Miriam - PASTOREK, Jaromír. Cancer - Associated Carbonic Anhydrase and Their Inhibition. In *Current Pharmaceutical Design*, 2008, vol. 14, p. 685 - 698. (4.868 - IF2007). (2008 - Current Contents). ISSN 1381-6128.

Ohlasy:

1. [1.1] D'Uva, G (D'Uva, Gabriele)[1,2] ; Bertoni, S (Bertoni, Sara)[1,3] ; Lauriola, M (Lauriola, Mattia)[2] ; De Carolis, S (De Carolis, Sabrina)[1] ; Pacilli, A (Pacilli, Annalisa)[1,4] ; D'Anello, L (D'Anello, Laura)[1,3] ; Santini, D (Santini, Donatella)[1] ; Taffurelli, M (Taffurelli, Mario)[5] ; Ceccarelli, C (Ceccarelli, Claudio)[1] ; Yarden, Y (Yarden, Yosef)[2] ; Montanaro, L (Montanaro, Lorenzo)[1] ; Bonafe, M (Bonafe, Massimiliano)[1,3] ; Storci, G Beta-Catenin/HuR Post-Transcriptional Machinery Governs Cancer Stem Cell Features in Response to Hypoxia PLOS ONE Volume: 8 Issue: 11, Article Number: e80742, 2013, WOS
2. [1.1] Calvo, J (Calvo, Julia)[1] ; Sanchez-Cid, L (Sanchez-Cid, Lourdes)[1,2,8] ; Munoz, M (Munoz, Montserrat)[3,4] ; Lozano, JJ (Jose Lozano, Juan)[5,6] ; Thomson, TM (Thomson, Timothy M.)[2,7] ; Fernandez, PL Infrequent Loss of Luminal Differentiation in Ductal Breast Cancer Metastasis PLOS ONE Volume: 8 Issue: 10, Article Number: UNSP e78097, 2013, WOS
3. [1.1] Jia Xiao-Ting; Zheng Guo-Pei; Yin Jiang; Zhang Zi-Juan; He Zhi-Min Carbonic Anhydrase CA9 Regulates Intracellular pH to Affect the Chemotherapy for Tongue Cancer Zhongguo Shengwu Huaxue yu Fenzi Shengwu Xuebao Volume:29 Issue:8 Pages:767-772, 2013, WOS
4. [1.1] Said, HM (Said, Harun M.)(1] ; Hagemann, C (Hagemann, Carsten)[2] ; Carta, F (Carta, Fabrizio)[3] ; Katzer, A (Katzer, Astrid)[1] ; Polat, B (Polat, Buelent)[1] ; Staab, A (Staab, Adrian)[4] ; Scozzafava, A (Scozzafava, Andrea)[3] ; Anacker, J (Anacker, Jelena)[5] ; Vince, GH (Vince, Giles H.)(2,6] ; Flentje, M (Flentje, Michael)[1] ; Supuran, CT Hypoxia induced CA9 inhibitory targeting by two different sulfonamide derivatives including Acetazolamide in human Glioblastoma BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 13 Pages: 3949-3957, 2013, WOS
5. [1.1] Monti, SM (Monti, Simona Maria)[1] ; Supuran, CT (Supuran, Claudiu T.)(2] ; De Simone, G Anticancer carbonic anhydrase inhibitors: a patent review (2008-2013) EXPERT OPINION ON THERAPEUTIC PATENTS Volume: 23 Issue: 6 Pages: 737-749, 2013, WOS
6. [1.1] Bernadat, G (Bernadat, Guillaume)[1] ; Supuran, CT (Supuran, Claudiu T.)(2] ; Iorga, BI Carbonic anhydrase binding site parameterization in OPLS-AA force field BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1427-1430, 2013, WOS
7. [1.1] Jogaite, V (Jogaite, Vaida)[1] ; Zubriene, A (Zubriene, Asta)[1] ; Michailoviene, V (Michailoviene, Vilma)[1] ; Glylte, J (Glylte, Joana)[1] ; Morkunaite, V (Morkunaite, Vaida)[1] ; Matulis, D Characterization of human carbonic anhydrase XII stability and inhibitor binding BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1431-1436, 2013, WOS
8. [1.1] Kilpin, Kelly J.; Dyson, Paul J. Enzyme inhibition by metal complexes: concepts, strategies and applications CHEMICAL SCIENCE Volume: 4 Issue: 4 Pages: 1410-1419 Published: 2013, WOS
9. [1.1] Wang, S.-L., Wu, R. Progress in research of hypoxia and angiogenesis in pancreatic cancer World Chinese Journal of Digestology Volume 21, Issue 30, 28 October 2013, Pages 3217-3221, 2013, WOS

ADCA249 PASTOREKOVÁ, Silvia - KOPÁČEK, Juraj - PASTOREK, Jaromír. Carbonic anhydrase inhibitors and the management of cancer. In *Current Topics in Medicinal Chemistry*, 2007, vol. 7, no. 9, p. 865-878. (4.167 - IF2006). (2007 - Current Contents). ISSN 1568-0266.

Ohlasy:

1. [1.1] Sethi, Kalyan K.; Verma, Saurabh M Pharmacophore Modeling and 3D QSAR Studies of Novel Human Carbonic Anhydrase IX Inhibitors LETTERS IN DRUG DESIGN & DISCOVERY Volume: 10 Issue: 9 Pages: 808-816 Published: NOV 2013, WOS
2. [1.1] Mokhtari, RB (Mokhtari, Reza Bayat)[1,3] ; Kumar, S (Kumar, Sushil)[1,2] ; Islam, SS (Islam, Syed S.)(4] ; Yazdanpanah, M (Yazdanpanah, Mehrdad)[3] ; Adeli, K (Adeli, Khosrow)[1,3,4] ; Cutz, E (Cutz, Ernest)[1,3,5] ; Yeager, H Combination of carbonic anhydrase inhibitor, acetazolamide, and sulforaphane, reduces the viability and growth of bronchial carcinoid cell lines BMC CANCER Volume: 13, Article Number: 378, 2013, WOS
3. [1.1] Suthar, SK (Suthar, Sharad Kumar)[1] ; Bansal, S (Bansal, Sumit)[1] ; Lohan, S (Lohan, Sandeep)[1] ; Modak, V (Modak, Vikarm)[2] ; Chaudhary, A (Chaudhary, Anil)[3] ; Tiwari, A Design and synthesis of novel 4-(4-oxo-2-arylthiazolidin-3-yl) benzenesulfonamides as selective inhibitors of carbonic anhydrase IX over I and II with potential anticancer activity EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY Volume: 66 Pages: 372-379 , Published: AUG 2013, WOS

4. [1.1] Gurpinar, E.a, Grizzle, W.E.b, Piazza, G.A. COX-independent mechanisms of cancer chemoprevention by anti-inflammatory drugs *Frontiers in Oncology* Volume 3 JUL, 2013, Article number 00181, SCOPUS
5. [1.2] Barar, J., Omid, Y. Dysregulated pH in tumor microenvironment checkmates cancer therapy *BiolImpacts* Volume 3, Issue 4, 2013, Pages 149-162, 2013, SCOPUS
6. [1.2] Čapkauskaitė, E.a, Zubrienė, A.a, Smirnov, A.a, Torresan, J.a, Kišonaite, M.a, Kazokaite, J.a, Gilyte, J.a, Michailovienė, V.a, Jogaite, V.a, Manakova, E.b, Gražulis, S.b, Tumkevičius, S.c, Matulis, D. Benzenesulfonamides with pyrimidine moiety as inhibitors of human carbonic anhydrases I, II, VI, VII, XII, and XIII *Bioorganic and Medicinal Chemistry* Volume 21, Issue 22, 15 November 2013, Pages 6937-6947, SCOPUS
7. [1.2] Bailey, M.a, Shield-Artin, K.b, Oliva, K.c, Ayhan, M.c, Reisman, S.c, Rice, G. Stage-specific analysis of plasma protein profiles in ovarian cancer: Difference in-gel electrophoresis analysis of pooled clinical samples *Journal of Carcinogenesis* Volume 12, 1 January 2013, Article number 114216, SCOPUS

ADCA250 PASTOREKOVÁ, Silvia - PARKKILA, S. - PASTOREK, Jaromír - SUPURAN, C.T. Carbonic anhydrases: Current state of the art, therapeutic applications and future prospects. In *Journal of Enzyme Inhibition and Medicinal Chemistry*, 2004, vol. 19, no. 3, p. 199 - 229. (0.775 - IF2003). (2004 - Current Contents).

Ohlasy:

1. [1.1] Ghiasi, Mina; Taheri, Mona; Zahedi, Mansour Thermodynamic study of proton transfer in carbonic anhydrase/activator complex: A quantum mechanical approach *COMPUTATIONAL AND THEORETICAL CHEMISTRY* Volume: 1022 Pages: 121-129 Published: OCT 15 2013, WOS
2. [1.1] Pastor, MD (Pastor, M. D.)(1] ; Nogal, A (Nogal, A.)(2,1] ; Molina-Pinelo, S (Molina-Pinelo, S.)(1] ; Carnero, A (Carnero, A.)(1] ; Paz-Ares, L Proteomic biomarkers in lung cancer *CLINICAL & TRANSLATIONAL ONCOLOGY* Volume: 15 Issue: 9 Pages: 671-682, 2013, WOS
3. [1.1] Liu, LC (Liu, Li-Cheng)(1] ; Xu, WT (Xu, Wen-Tong)(1] ; Wu, X (Wu, Xin)(1] ; Zhao, P (Zhao, Po)(2] ; Lv, YL (Lv, Ya-Li)(2] ; Chen, L Overexpression of carbonic anhydrase II and Ki-67 proteins in prognosis of gastrointestinal stromal tumors *WORLD JOURNAL OF GASTROENTEROLOGY* Volume: 19 Issue: 16 Pages: 2473-2480, 2013, WOS
4. [1.1] Sun, WQ (Sun Wei-Qi)(1] ; Zhang, JL (Zhang Ji-Long)(2] ; Zheng, QC (Zheng Qing-Chuan)(2] ; Sun, ZW (Sun Zhi-Wei)(1,3] ; Zhang, HX Molecular Dynamics Simulations of the Unbinding of Phenylsulfonamide from Carbonic Anhydrase II *ACTA PHYSICO-CHIMICA SINICA* Volume: 29 Issue: 4 Pages: 843-848 , 2013, WOS
5. [1.1] Sharma, PC (Sharma, Prabodh Chander)(1] ; Sinhmar, A (Sinhmar, Alka)(1] ; Sharma, A (Sharma, Archana)(1] ; Rajak, H (Rajak, Harish)(2] ; Pathak, DP Medicinal significance of benzothiazole scaffold: an insight view *JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY* Volume: 28 Issue: 2 Pages: 240-266, 2013, WOS
6. [1.1] Aggarwal, M (Aggarwal, Mayank)(1] ; Boone, CD (Boone, Christopher D.)(1] ; Kondeti, B (Kondeti, Bhargav)(1] ; McKenna, R Structural annotation of human carbonic anhydrases *JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY* Volume: 28 Issue: 2 Pages: 267-277, 2013, WOS
7. [1.1] Buyukkidan, N (Buyukkidan, Nurgun)(1] ; Bulbul, M (Bulbul, Metin)(1] ; Kasimogullari, R (Kasimogullari, Rahmi)(1] ; Buyukkidan, B Synthesis and characterization of metal complexes of heterocyclic sulfonamide as carbonic anhydrase inhibitors *JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY* Volume: 28 Issue: 2 Pages: 311-315, 2013, WOS
8. [1.1] Sen, E (Sen, Elvan)(1] ; Alim, Z (Alim, Zuhail)(2] ; Duran, H (Duran, Hatice)(3] ; Isgor, MM (Isgor, Mehmet Mustafa)(2] ; Beydemir, S (Beydemir, Sukru)(2] ; Kasimogullari, R (Kasimogullari, Rahmi)(1] ; Ok, S Inhibitory effect of novel pyrazole carboxamide derivatives on human carbonic anhydrase enzyme *JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY* Volume: 28 Issue: 2 Pages: 328-336, 2013, WOS
9. [1.1] Aggarwal, M (Aggarwal, Mayank)(1] ; Kondeti, B (Kondeti, Bhargav)(1] ; McKenna, R Insights towards sulfonamide drug specificity in alpha-carbonic anhydrases *BIOORGANIC & MEDICINAL CHEMISTRY* Volume: 21 Issue: 6 Pages: 1526-1533, 2013, WOS

10. [1.1] Hassan, MI (Hassan, Md Imtaiyaz)[1,3] ; Shajee, B (Shajee, Bushra)[2] ; Waheed, A (Waheed, Abdul)[3] ; Ahmad, F (Ahmad, Faizan)[1] ; Sly, WS Structure, function and applications of carbonic anhydrase isozymes Structure, function and applications of carbonic anhydrase isozymes BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1570-1582, 2013, WOS
11. [1.1] Gulcin, Ilhami; Beydemir, Sukru Phenolic Compounds as Antioxidants: Carbonic Anhydrase Isoenzymes Inhibitors MINI-REVIEWS IN MEDICINAL CHEMISTRY Volume: 13 Issue: 3 Pages: 408-430 Published: MAR 2013, WOS
12. [1.1] Lu, GL (Lu, Genliang)[1] ; Hillier, SM (Hillier, Shawn M.)[1] ; Maresca, KP (Maresca, Kevin P.)[1] ; Zimmerman, CN (Zimmerman, Craig N.)[1] ; Eckelman, WC (Eckelman, William C.)[1] ; Joyal, JL (Joyal, John L.)[1] ; Babich, JW Synthesis and SAR of Novel Re/Tc-99m-Labeled Benzenesulfonamide Carbonic Anhydrase IX Inhibitors for Molecular Imaging of Tumor Hypoxia JOURNAL OF MEDICINAL CHEMISTRY Volume: 56 Issue: 2 Pages: 510-520, 2013, WOS
13. [1.2] Faisy, C.a , Heming, N.a, Urien, S. Respiratory stimulant effects of acetazolamide in the intensive care unit Reanimation Volume 22, Issue 4, 2013, Pages 358-365, SCOPUS

ADCA251 PASTOREKOVÁ, Silvia - PARKILA, A.S. - OPAVSKÝ, René - ZELNÍK, J. - SAARNIJO, J. - PASTOREK, Jaromír. Carbonic anhydrase IX, MN/ca IX Analysis of stomach complementary DNA sequence and expression in human and rat alimentary tracts. In *Gastroenterology*, 1997, vol. 10, p.398 - 408. (9.323 - IF1996).

Ohlasy:

1. [1.1] Slawinski, J (Slawinski, Jaroslaw)[1] ; Szafranski, K (Szafranski, Krzysztof)[1] ; Vullo, D (Vullo, Daniela)[2] ; Supuran, CT Carbonic anhydrase inhibitors. Synthesis of heterocyclic 4-substituted pyridine-3-sulfonamide derivatives and their inhibition of the human cytosolic isozymes I and II and transmembrane tumor-associated isozymes IX and XII EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY Volume: 69 Pages: 701-710, 2013, WOS
2. [1.1] Fahling, M (Faehling, Michael)[1] ; Mathia, S (Mathia, Susanne)[2] ; Paliege, A (Paliege, Alexander)[2,3] ; Koesters, R (Koesters, Robert)[4] ; Mrowka, R (Mrowka, Ralf)[5] ; Peters, H (Peters, Harm)[2] ; Persson, PB (Persson, Pontus Boerje)[1] ; Neumayer, HH (Neumayer, Hans-Hellmut)[2] ; Bachmann, S (Bachmann, Sebastian)[3] ; Rosenberger, C Tubular von Hippel-Lindau Knockout Protects against Rhabdomyolysis-Induced AKI JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY Volume: 24 Issue: 11 Pages: 1806-1819, 2013, WOS
3. [1.1] Stillebroer, AB (Stillebroer, Alexander B.)[1,2] ; Boerman, OC (Boerman, Otto C.)[2] ; Desar, IME (Desar, Ingrid M. E.)[3] ; Boers-Sonderen, MJ (Boers-Sonderen, Marije J.)[3] ; van Herpen, CML (van Herpen, Carla M. L.)[3] ; Langenhuijsen, JF (Langenhuijsen, Johannes F.)[1] ; Smith-Jones, PM (Smith-Jones, Peter M.)[4] ; Oosterwijk, E (Oosterwijk, Egbert)[1] ; Oyen, WJG (Oyen, Wim J. G.)[2] ; Mulders, PFA Phase 1 Radioimmunotherapy Study with Lutetium 177-labeled Anti-Carbonic Anhydrase IX Monoclonal Antibody Girentuximab in Patients with Advanced Renal Cell Carcinoma EUROPEAN UROLOGY Volume: 64 Issue: 3 Pages: 478-485, 2013, WOS
4. [1.1] Wachters, JE (Wachters, Jan E.)[1,2] ; Schrijvers, ML (Schrijvers, Michiel L.)[1,2] ; Slagter-Menkema, L (Slagter-Menkema, Lorian)[1,2] ; Mastik, M (Mastik, Mirjam)[1] ; de Bock, GH (de Bock, Geertruida H.)[3] ; Langendijk, JA (Langendijk, Johannes A.)[4] ; Kluin, PM (Kluin, Philip M.)[1] ; Schuurin, E (Schuurin, Ed)[1] ; van der Laan, BFAM (van der Laan, Bernard F. A. M.)[2] ; van der Wal, JE Prognostic significance of HIF-1a, CA-IX, and OPN in T1-T2 laryngeal carcinoma treated with radiotherapy LARYNGOSCOPE Volume: 123 Issue: 9 Pages: 2154-2160, 2013, WOS
5. [1.1] Shah, GN (Shah, Gul N.)[1] ; Rubbelke, TS (Rubbelke, Timothy S.)[1] ; Hendin, J (Hendin, Joshua)[1] ; Nguyen, H (Hien Nguyen)[1] ; Waheed, A (Waheed, Abdul)[1] ; Shoemaker, JD (Shoemaker, James D.)[1] ; Sly, WS Targeted mutagenesis of mitochondrial carbonic anhydrases VA and VB implicates both enzymes in ammonia detoxification and glucose metabolism PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA Volume: 110 Issue: 18 Pages: 7423-7428, 2013, WOS
6. [1.1] Lamers, CHJ (Lamers, Cor H. J.)[1] ; Sleijfer, S (Sleijfer, Stefan)[1] ; van Steenberg, S (van Steenberg, Sabine)[1] ; van Elzakker, P (van Elzakker, Pascal)[1] ; van Krimpen, B (van Krimpen, Brigitte)[1] ; Groot, C (Groot, Corrien)[1] ; Vulto, A (Vulto, Arnold)[2] ; den Bakker, M (den Bakker, Michael)[3] ; Oosterwijk, E (Oosterwijk, Egbert)[4] ; Debets, R (Debets, Reno)[1] ; Gratama, JW

Treatment of Metastatic Renal Cell Carcinoma With CAIX CAR-engineered T cells: Clinical Evaluation and Management of On-target Toxicity MOLECULAR THERAPY Volume: 21 Issue: 4 Pages: 904-912, 2013, WOS

7. [1.1] Gieling, Roben G.; Williams, Kaye J. Carbonic anhydrase IX as a target for metastatic disease BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1470-1476 Published: MAR 15 2013, WOS

8. [1.1] Wang, H (Wang, H.)[1] ; Teng, Y (Teng, Y.)[1] ; Xie, Y (Xie, Y.)[1] ; Wang, B (Wang, B.)[1] ; Leng, Y (Leng, Y.)[1] ; Shu, H (Shu, H.)[1] ; Deng, F Characterization of the carbonic anhydrases 15b expressed in PGCs during early zebrafish development THERIOGENOLOGY Volume: 79 Issue: 3 Pages: 443-452, 2013, WOS

9. [1.2] Yoshimura, K. , Uemura, H. Role of vaccine therapy for renal cell carcinoma in the era of targeted therapy International Journal of Urology Volume 20, Issue 8, August 2013, Pages 744-755, SCOPUS

10. [1.2] McCormick, R.I.ab, Blick, C.a, Ragoussis, J.c, Schoedel, J.d, Mole, D.R.d, Young, A.C.d, Selby, P.J.e, Banks, R.E.e, Harris, A.L. MiR-210 is a target of hypoxia-inducible factors 1 and 2 in renal cancer, regulates ISCU and correlates with good prognosis British Journal of Cancer olume 108, Issue 5, 19 March 2013, Pages 1133-1142, SCOPUS

11. [1.2] Rana, S.abc, Nissen, F.abc, Lindner, T.abc, Altmann, A.abc, Mier, W.abc, Debus, J.abc, Haberkorn, U.abc, Askoxylakis, V. Screening of a novel peptide targeting the proteoglycan-Like region of human carbonic anhydrase 9 Molecular Imaging Volume 12, Issue 8, November 2013, SCOPUS

ADCA252 PASTOREKOVÁ, Silvia - VULLO, D. - CASINI, A. - SCOZZAFAVA, A. - PASTOREK, Jaromír - NISHIMORI, I. - SUPURAN, C.T. Carbonic anhydrase inhibitors: inhibition of the tumor-associated isozymes IX and XII with polyfluorinated aromatic/heterocyclic sulfonamides. In *Journal of Enzyme Inhibition and Medicinal Chemistry*, 2005, vol. 20, no. 3, p. 211-217. (0.775 - IF2004). ISSN 1475-6366.

Ohlasy:

1. [1.1] Dudutiene, V (Dudutiene, Virginija)[1] ; Zubriene, A (Zubriene, Asta)[1] ; Smirnov, A (Smirnov, Alexey)[1] ; Gylyte, J (Gylyte, Joana)[1] ; Timm, D (Timm, David)[1] ; Manakova, E (Manakova, Elena)[2] ; Grazulis, S (Grazulis, Saulius)[2] ; Matulis, D 4-Substituted-2,3,5,6-tetrafluorobenzenesulfonamides as inhibitors of carbonic anhydrases I, II, VII, XII, and XIII BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 7 Pages: 2093-2106, 2013, WOS

ADCA253 PASTOREKOVÁ, Silvia - RETCLIFFE, Peter J. - PASTOREK, Jaromír. Molecular mechanisms of carbonic anhydrase IX-mediated pH regulation under hypoxia. In *BJU international*, 2008, vol. 101, suppl. 4, p. 8-15. (2.751 - IF2007). (2008 - Current Contents). ISSN 1464-4096.

Ohlasy:

1. [1.1] Santi, A (Santi, Alice)[1] ; Caselli, A (Caselli, Anna)[1] ; Paoli, P (Paoli, Paolo)[1] ; Corti, D (Corti, Denise)[1] ; Camici, G (Camici, Guido)[1] ; Pieraccini, G (Pieraccini, Giuseppe)[2] ; Taddei, ML (Taddei, Maria Letizia)[1] ; Serni, S (Serni, Sergio)[3] ; Chiarugi, P (Chiarugi, Paola)[1] ; Cirri, P The effects of CA IX catalysis products within tumor microenvironment CELL COMMUNICATION AND SIGNALING Volume: 11 Article Number: 81, 2013, WOS

2. [1.1] Klimowicz, AC (Klimowicz, A. C.)[1,2] ; Bose, P (Bose, P.)[1] ; Petrillo, SK (Petrillo, S. K.)[2] ; Magliocco, AM (Magliocco, A. M.)[1,2] ; Dort, JC (Dort, J. C.)[3] ; Brockton, NT The prognostic impact of a combined carbonic anhydrase IX and Ki67 signature in oral squamous cell carcinoma BRITISH JOURNAL OF CANCER Volume: 109 Issue: 7 Pages: 1859-1866, 2013, WOS

3. [1.1] Theron, AE (Theron, Anne E.)[1] ; Nolte, EM (Nolte, Elsie M.)[1] ; Lafanechere, L (Lafanechere, Laurence)[2] ; Joubert, AM Molecular crosstalk between apoptosis and autophagy induced by a novel 2-methoxyestradiol analogue in cervical adenocarcinoma cells CANCER CELL INTERNATIONAL Volume: 13 , Article Number: 87, 2013, WOS

4. [1.1] Zhou, R (Zhou, Rui)[1,2,4] ; Huang, WJ (Huang, Wenjun)[4] ; Yao, YQ (Yao, Yuqin)[1,2] ; Wang, Y (Wang, Yuxi)[1,2] ; Li, ZQ (Li, Ziqiang)[1,2] ; Shao, B (Shao, Bin)[1,2] ; Zhong, J (Zhong, Jian)[1,2] ; Tang, MH (Tang, Minghai)[1,2] ; Liang, SF (Liang, Shufang)[1,2] ; Zhao, X (Zhao, Xia)[3] ; Tong, AP (Tong, Aiping)[1,2] ; Yang, JL CA II, a potential biomarker by proteomic analysis, exerts

significant inhibitory effect on the growth of colorectal cancer cells INTERNATIONAL JOURNAL OF ONCOLOGY Volume: 43 Issue: 2 Pages: 611-621, 2013, WOS

5. [1.1] Stander, BA (Stander, Barend Andre)[1] ; Joubert, F (Joubert, Fourie)[2] ; Tu, CK (Tu, Chingkuang)[3] ; Sippel, KH (Sippel, Katherine H.)([4] ; McKenna, R (McKenna, Robert)[5] ; Joubert, AM Signaling Pathways of ESE-16, an Antimitotic and Anticarbonic Anhydrase Estradiol Analog, in Breast Cancer Cells PLOS ONE Volume: 8 Issue: 1, 2013, WOS

6. [1.1] Breier, A (Breier, Albert)[1] ; Gibalova, L (Gibalova, Lenka)[1] ; Seres, M (Seres, Mario)[1] ; Barancik, M (Barancik, Miroslav)[2] ; Sulova, Z New Insight into P-Glycoprotein as a Drug Target ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY Volume: 13 Issue: 1 Pages: 159-170, 2013, WOS

ADCA254 PASTOREKOVÁ, Silvia - PARKKILA, S. - ZÁVADA, Ján. Tumor associated carbonic anhydrases and their clinical significance. In *Advances in Clinical Chemistry*, 2006, vol. 42, p. 168 - 216. (3.263 - IF2005). ISSN 0065-2423.

Ohlasy:

1. [1.1] Taddei, ML (Taddei, Maria Letizia)[1] ; Giannoni, E (Giannoni, Elisa)[1] ; Comito, G (Comito, Giuseppina)[1] ; Chiarugi, P Microenvironment and tumor cell plasticity: An easy way out CANCER LETTERS Volume: 341 Issue: 1 Pages: 80-96 Special Issue: SI , 2013, WOS
2. [1.1] Zerati, M (Zerati, Marcelo); Leite, KRM (Leite, Katia R. M.); Pontes, J (Pontes-Junior, Jose); Segre, CC (Segre, Cesar Camara); Reis, ST (Reis, Sabrina Thalita); Srougi, M (Srougi, Miguel); Dall'Oglio, MF Carbonic Anhydrase IX is Not a Predictor of Outcomes in Non-Metastatic Clear Cell Renal Cell Carcinoma - A Digital Analysis of Tissue Microarray INTERNATIONAL BRAZ J UROL Volume: 39 Issue: 4 Pages: 484-492, 2013, WOS
3. [1.1] Monti, Simona Maria; Supuran, Claudiu T.; De Simone, Giuseppina Anticancer carbonic anhydrase inhibitors: a patent review (2008-2013) EXPERT OPINION ON THERAPEUTIC PATENTS Volume: 23 Issue: 6 Pages: 737-749 Published: JUN 2013, WOS
4. [1.1] Ghasemi, Jahan B.; Meftahi, Nastaran Docking, CoMFA and CoMSIA studies of a series of sulfonamides derivatives as carbonic anhydrase I inhibitors JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY Volume: 28 Issue: 2 Pages: 320-327 Published: APR 2013, WOS
5. [1.1] Hulikova, A (Hulikova, Alzbeta)[1] ; Harris, AL (Harris, Adrian L.)([2] ; Vaughan-Jones, RD (Vaughan-Jones, Richard D.)([1] ; Swietach, P Regulation of intracellular pH in cancer cell lines under normoxia and hypoxia JOURNAL OF CELLULAR PHYSIOLOGY Volume: 228 Issue: 4 Pages: 743-752, 2013, WOS

ADCA255 PECHÁŇOVÁ, Oľga - ZICHA, Josef - PAULIS, Ľudovít - ZENEBE, Woineshet - DOBEŠOVÁ, Zdena - KOJŠOVÁ, Stanislava - JENDEKOVÁ, Lýdia - SLÁDKOVÁ, Martina - DOVINOVA, Ima - ŠIMKO, Fedor - KUNEŠ, Jaroslav. The effect of N-acetylcysteine and melatonin in adult spontaneously hypertensive rats with established hypertension. In *European Journal of Pharmacology : international journal*, 2007, vol. 561, no. 1-3, pp. 129-136. (2.522 - IF2006). (2007 - Current Contents). ISSN 0014-2999.

Ohlasy:

1. [1.1] HUNG, Ming-Wai - KRAVTSOV, Gennadi M. - LAU, Chi-Fai - POON, Angela Ming-See - TIPOE, George L. - FUNG, Man-Lung. Melatonin ameliorates endothelial dysfunction, vascular inflammation, and systemic hypertension in rats with chronic intermittent hypoxia. In JOURNAL OF PINEAL RESEARCH. ISSN 0742-3098, OCT 2013, vol. 55, no. 3, p. 247-256., WOS
2. [1.2] PÚZSEROVÁ, A. - KOPINCOVÁ, J. - SLEZÁK, P. - BALÍŠ, P. - BERNÁTOVÁ, I. Endothelial dysfunction in femoral artery of the hypertensive rats is nitric oxide independent. In PHYSIOLOGICAL RESEARCH, 2013, vol. 62, no. 6, p. 615-629., SCOPUS
3. [1.2] FABRIZIO, R.L. - GAIA, F. - ELEONORA, F. - CLAUDIA, R. - STEFANIA, C. - CLAUDIO, L. - RITA, R. Vascular endothelial cells and dysfunctions: Role of melatonin. In FRONTIERS IN BIOSCIENCE - ELITE, 2013, vol. 5 E, no. 1, p. 119-129., SCOPUS

ADCA256 POLÁKOVÁ, Katarína - KRČOVÁ, M. - KUBA, D. - RUSS, Gustáv. Analysis of HLA-G expression in malignant hematopoietic cells from leukemia patients. In *Leukemia research*, 2003, vol. 27, no. 7, p. 643-648.

Ohlasy:

1. [1.1] Curigliano, G (Curigliano, Giuseppe)[1] ; Criscitiello, C (Criscitiello, Carmen)[1] ; Gelao, L (Gelao, Lucia)[1] ; Goldhirsch, A Molecular Pathways: Human Leukocyte Antigen G (HLA-G) CLINICAL CANCER RESEARCH Volume: 19 Issue: 20 Pages: 5564-5571, 2013, WOS

ADCA257 POLÁKOVÁ, Katarína - BANDŽUCHOVÁ, Elena - KUBA, D. - RUSS, Gustáv. Demethylating agent 5-aza-2 -deoxycytidine activates HLA-G expression in human leukemia cell lines. In *Leukemia Research*, 2009, vol. 33, no. 4, p. 518 - 524. (2.390 - IF2008). ISSN 0145-2126.

Ohlasy:

1. [1.1] Ari, F.a , Napieralski, R.b, Ulukaya, E. Changes in gene methylation following chemotherapy in breast cancer cell lines [Meme kanseri hücre soylari(dotless)nda kemoterapiyi takiben oluşan gen metilasyon değışiklikleri] Turkish Journal of Biochemistry Volume 38, Issue 2, 2013, Pages 34-42, WOS

ADCA258 POLÁKOVÁ, Katarína - KARPATOVÁ, M. - RUSS, Gustáv. Dissociation of b2-microglobulin in responsible for selective reduction of HLA class I antigenicity following acid treatment of cells. In *Molecular Immunology*, 1993, vol. 30, p. 1223-1230.

Ohlasy:

1. [1.1] Grenzi, PC (Grenzi, Patricia C.)[1] ; de Marco, R (de Marco, Renato)[1] ; Silva, RZR (Silva, Rosemeire Z. R.)([1] ; Campos, EF (Campos, Erika F.)([1] ; Gerbase-DeLima, M Antibodies against denatured HLA class II molecules detected in luminex-single antigen assay HUMAN IMMUNOLOGY Volume: 74 Issue: 10 Pages: 1300-1303, 2013, WOS

ADCA259 POLÁKOVÁ, Katarína - ŽELEZNÍKOVÁ, Tatiana - RUSS, Gustáv. HLA-G5 in the blood of leukemia patients and healthy individuals. In *Leukemia Research*, 2013, vol. 37, no. 2, p. 139 - 145. (2.764 - IF2012). (2013 - Current Contents). ISSN 0145-2126. VEGA no. 2/0124/11.

Ohlasy:

1. [1.1] Cutucache, Christine E. Tumor-induced host immunosuppression: Special focus on CLL INTERNATIONAL IMMUNOPHARMACOLOGY Volume: 17 Issue: 1 Pages: 35-41 Published: SEP 2013, WOS

ADCA260 POLÁKOVÁ, Katarína - RUSS, Gustáv - RAJČÁNI, Július - ZÁVADA, Ján - ZÁVADOVÁ, Zuzana - ŠTENCL, J. - LOKŠA, Jozef. Human cell surface proteins selectively assembled into vesicular stomatitis virus virions. In *Virology*, 1983, vol. 127, no. 2, p. 345-360. ISSN 0042-6822.

Ohlasy:

1. [1.2] Chattopadhyay, A.a, Wang, E.b, Seymour, R.b, Weaver, S.C.b, Rose, J.K. A chimeric vesiculo/alphavirus is an effective alphavirus vaccine Journal of Virology Volume 87, Issue 1, January 2013, Pages 395-402, SCOPUS

ADCA261 POLÁKOVÁ, Katarína - BENNINK, J.R. - YEWDELL, J.W. - BYSTRICKÁ, Magda - BANDŽUCHOVÁ, Elena - RUSS, Gustáv. Mild acid treatment induces cross-reactivity of 4H84 monoclonal antibody specific to nonclassical HLA-G antigen with classical HLA class I molecules. In *Human Immunology*, 2003, vol. 64, p. 256-264.

Ohlasy:

1. [1.1] Amita, M (Amita, Mitsuyoshi)[1,2] ; Adachi, K (Adachi, Katsuyuki)[3] ; Alexenko, AP (Alexenko, Andrei P.)([1,2] ; Sinha, S (Sinha, Sunilima)[1,2] ; Schust, DJ (Schust, Danny J.)([3] ; Schulz, LC (Schulz, Laura C.)([3] ; Roberts, RM (Roberts, R. Michael)[1,2,4] ; Ezashi, T Complete and unidirectional conversion of human embryonic stem cells to trophoblast by BMP4 ROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA Volume: 110 Issue: 13 Pages: E1212-E1221, 2013, WOS

ADCA262 POLČICOVÁ, Katarína - BISWAS, P.S. - BANERJEE, K. - WISNER, T.W. - ROUSE, B.T. - JOHNSON, D.C. Herpes keratitis in the absence of anterograde transport of virus sensory ganglia to the cornea. In *Proceedings of the National Academy of Sciences of the United States of America*. - Washington :

National Academy of Sciences, 2005, vol. 102, no. 32, p. 11462 - 11467. (10.452 - IF2004). (2005 - Current Contents).

Ohlasy:

1. [1.1] Sari, TK (Sari, Tri Komala)[1] ; Pritchard, SM (Pritchard, Suzanne M.)[1] ; Cunha, CW (Cunha, Cristina W.)[1,2] ; Wudiri, GA (Wudiri, George A.)[1,3] ; Laws, EI (Laws, Elizabeth I.)[1] ; Aguilar, HC (Aguilar, Hector C.)[3] ; Taus, NS (Taus, Naomi S.)[2] ; Nicola, AV Contributions of Herpes Simplex Virus 1 Envelope Proteins to Entry by Endocytosis JOURNAL OF VIROLOGY Volume: 87 Issue: 24 Pages: 13922-13926, 2013, WOS
2. [1.2] Xu, X., Zhang, Y.-N., Luo, F., Pan, Z.-Q. Detection of herpes simplex virus DNA in corneal tissue with different corneal diseases Ophthalmology in China Volume 22, Issue 1, 25 January 2013, Pages 45-48, SCOPUS

ADCA263 POLČICOVÁ, Katarína - GOLDSMITH, K. - RAINISH, B.L. - WISNER, T.W. - JOHNSON, D.C. The extracellular domain of herpes simplex virus gE is indispensable for efficient cell to-cell spread: evidence for gE/gI receptors. In *Journal of Virology*. - Washington : American Society for Microbiology, 2005, vol. 79, no. 18, p. 11190 - 12001. (5.398 - IF2004). (2005 - Current Contents). ISSN 0022-538X.

Ohlasy:

1. [1.1] Liu, Ziqing; He, Johnny J. Cell-Cell Contact-Mediated Hepatitis C Virus (HCV) Transfer, Productive Infection, and Replication and Their Requirement for HCV Receptors JOURNAL OF VIROLOGY Volume: 87 Issue: 15 Pages: 8545-8558 Published: AUG 2013, WOS
2. [1.1] Nixon, B (Nixon, Briana)[1,2] ; Stefanidou, M (Stefanidou, Martha)[1,2] ; Mesquita, PMM (Mesquita, Pedro M. M.)[1,2] ; Fakioglu, E (Fakioglu, Esra)[1,2] ; Segarra, T (Segarra, Theodore)[1,2] ; Rohan, L (Rohan, Lisa)[3] ; Halford, W (Halford, William)[4] ; Palmer, KE (Palmer, Kenneth E.)[5,6,7] ; Herold, BC Griffithsin Protects Mice from Genital Herpes by Preventing Cell-to-Cell Spread JOURNAL OF VIROLOGY Volume: 87 Issue: 11 Pages: 6257-6269, 2013, WOS
3. [1.1] Schiffer, Joshua T.; Corey, Lawrence Rapid host immune response and viral dynamics in herpes simplex virus-2 infection NATURE MEDICINE Volume: 19 Issue: 3 Pages: 280-290 Published: MAR 2013, WOS
4. [1.1] Krummenacher, C.a , Carfí, A.b, Eisenberg, R.J.a, Cohen, G.H. Entry of herpesviruses into cells: The enigma variations Advances in Experimental Medicine and Biology Volume 790, 2013, Pages 178-195, SCOPUS

ADCA264 POPUGAEVA, E. - WITKOWSKI, P.T. - SCHLEGEL, M. - ULRICH, R.G. - AUSTE, B. - RANG, A. - KRÜGER, D.H. - KLEMPA, Boris. Dobrava-Belgrade Hantavirus from Germany Shows Receptor Usage and Innate Immunity Induction Consistent with the Pathogenicity of the Virus in Humans. In *PLoS ONE*, 2012, vol. 7, no. 4, p. e35587. (4.092 - IF2011). (2012 - MEDLINE). ISSN 1932-6203.

Ohlasy:

1. [1.1] Hofmann, H (Hofmann, Heike)[1] ; Li, XX (Li, Xingxing)[2,3] ; Zhang, XA (Zhang, Xiaoi)[4] ; Liu, W (Liu, Wei)[4] ; Kuhl, A (Kuehl, Annika)[1] ; Kaup, F (Kaup, Franziska)[1] ; Soldan, SS (Soldan, Samantha S.)[5] ; Gonzalez-Scarano, F (Gonzalez-Scarano, Francisco)[6] ; Weber, F (Weber, Friedemann)[7] ; He, YX (He, Yuxian)[2,3] ; Pohlmann, S (Pohlmann, Stefan)[1] Severe Fever with Thrombocytopenia Virus Glycoproteins Are Targeted by Neutralizing Antibodies and Can Use DC-SIGN as a Receptor for pH-Dependent Entry into Human and Animal Cell Lines JOURNAL OF VIROLOGY Volume: 87 Issue: 8 Pages: 4384-4394 DOI: 10.1128/JVI.02628-12 Published: APR 2013, WOS
2. [1.1] Fan, H (Fan, Heng)[1] ; Zhao, Y (Zhao, Yu)[2] ; Song, FC (Song, Fu-Chun) Acute pancreatitis associated with hemorrhagic fever with renal syndrome: clinical analysis of 12 cases RENAL FAILURE Volume: 35 Issue: 10 Pages: 1330-1333, 2013, WOS

ADCA265 PREDAJŇA, Lukáš - ŠUBR, Zdeno W. - CANDRESSE, T. - GLASA, Miroslav. Evaluation of the genetic diversity of Plum pox virus in a single plum tree. In *Virus Research : An International Journal of Molecular and Cellular Virology*, 2012, vol. 167, p. 112 - 117. (2.941 - IF2011). (2012 - Current Contents). ISSN 0168-1702.

Ohlasy:

1. [1.1] Caglayan, K (Caglayan, K.)[1] ; Serce, CU (Serce, C. U.)[1] ; Gazel, M (Gazel, M.)[1] ; Kaya, K (Kaya, K.)[1] ; Cengiz, FC (Cengiz, F. C.)[1] ; Vidal, E (Vidal, E.)[2] ; Cambra, M (Cambra, M.)
EVALUATION OF THE SUSCEPTIBILITY OF DIFFERENT PRUNUS ROOTSTOCKS TO NATURAL INFECTION OF PLUM POX VIRUS-T JOURNAL OF PLANT PATHOLOGY Volume: 95 Issue: 3 Pages: 579-586, 2013, WOS
2. [1.2] James, D., Varga, A., Sanderson, D. Genetic diversity of Plum pox virus: Strains, disease and related challenges for control Canadian Journal of Plant Pathology 35 (4) , pp. 431-441, 2013, SCOPUS

ADCA266 RAJČÁNI, Július - ĎURMANOVÁ, Vladimíra. Developments in Herpes simplex virus vaccines: Old problems and new challenges. In *Folia microbiologica*. - Prague : Institute of Microbiology, Academy of Sciences of the Czech Republic, 2006, vol. 51, no. 2, p. 67-85. (0.977 - IF2005). (2006 - Current Contents). ISSN 0015-5632.

Ohlasy:

1. [1.2] Xiang, Z.a , He, Y. Genome-wide prediction of vaccine targets for human herpes simplex viruses using Vaxign reverse vaccinology BMC Bioinformatics olume 14, Issue SUPPL4, 8 March 2013, Article number S2, SCOPUS
2. [1.2] Zhong, M.-G.ab, Xiang, Y.-F.ab, Qiu, X.-X.ab, Liu, Z.a, Kitazato, K.c, Wang, Y.-F. Natural products as a source of anti-herpes simplex virus agents RSC Advances Volume 3, Issue 2, 14 January 2013, Pages 313-328, SCOPUS

ADCA267 RAJČÁNI, Július - ĎURMANOVÁ, Vladimíra. Early expression of herpes simplex virus /HSV/ proteins and reactivation of latent infection. In *Folia Microbiologica : International Journal for general Enviromental and Applied Microbiology, and Immunology*, 2000, vol. 45, no. 1, p. 7-28. (0.402 - IF1999). (2000 - Current Contents). ISSN 0015-5632.

Ohlasy:

1. [1.1] Lin, AE (Lin, Aaron E.)[1] ; Greco, TM (Greco, Todd M.)[1] ; Dohner, K (Doehner, Katinka)[2] ; Sodeik, B (Sodeik, Beate)[2] ; Cristea, IM A Proteomic Perspective of Inbuilt Viral Protein Regulation: pUL46 Tegument Protein is Targeted for Degradation by ICP0 during Herpes Simplex Virus Type 1 Infection MOLECULAR & CELLULAR PROTEOMICS Volume: 12 Issue: 11 Pages: 3237-3252, 2013, WOS

ADCA268 RAJČÁNI, Július - KÚDELOVÁ, Marcela. Gamma Herpesviruses : Pathogenesis of infection and cell signaling. In *Folia Microbiologica*. - Prague : Institute of Microbiology, Academy of Sciences of the Czech Republic, 2003, vol. 48, no. 3, p. 291-318. (0.979 - IF2002). (2003 - Current Contents).

Ohlasy:

1. [1.1] Fan, Q (Fan, Qin)[1] ; He, JF (He, Jun-Fang)[2,3,4] ; Wang, QR (Wang, Qi-Rui)[1] ; Cai, HB (Cai, Hong-Bing)[1] ; Sun, XG (Sun, Xue-Gang)[1] ; Zhou, XX (Zhou, Xin-Xi)[2,3] ; Qin, HD (Qin, Hai-De)[2,3] ; Shugart, YY (Shugart, Yin Yao)[5] ; Jia, WH Functional polymorphism in the 5'-UTR of CR2 is associated with susceptibility to nasopharyngeal carcinoma ONCOLOGY REPORTS Volume: 30 Issue: 1 Pages: 11-16, 2013, WOS

ADCA269 RAJČÁNI, Július - VOJVODOVÁ, A. - REŽUCHOVÁ, Ingeborg. Peculiarities of Herpes Simplex Virus (HSV) Transcription: An overview. In *Virus Genes*. - Norwell : Kluwer Academic Publishers, 2004, vol. 28, no. 3, p. 293-310. (1.414 - IF2003). (2004 - Current Contents). ISSN 0920-8569.

Ohlasy:

1. [1.1] Henaff, D (Henaff, Daniel)[1] ; Remillard-Labrosse, G (Remillard-Labrosse, Gaudeline)[1] ; Loret, S (Loret, Sandra)[1] ; Lippe, R Analysis of the Early Steps of Herpes Simplex Virus 1 Capsid Tegumentation OURNAL OF VIROLOGY Volume: 87 Issue: 9 Pages: 4895-4906, 2013, WOS
2. [1.1] Radtke, K (Radtke, Kerstin)[1] ; English, L (English, Luc)[1] ; Rondeau, C (Rondeau, Christiane)[1] ; Leib, D (Leib, David)[2] ; Lippe, R (Lippe, Roger)[1] ; Desjardins, M (Desjardins, Michel)[1] Inhibition of the Host Translation Shutoff Response by Herpes Simplex Virus 1 Triggers Nuclear Envelope-Derived Autophagy JOURNAL OF VIROLOGY Volume: 87 Issue: 7 Pages: 3990-

3997, 2013, WOS

3. [1.1] Nur, S.M.a, Al Amin, M.a, Alam, R.a, Hasan, M.A.a, Hossain, M.A.a, Mannan, A. An in silico approach to design potential siRNA molecules for ICP22 (US1) gene silencing of different strains of human herpes simplex 1 Journal of Young Pharmacists Volume 5, Issue 2, June 2013, Pages 46-49, SCOPUS

ADCA270 RAOULT, D. - FOURNIER, P.E. - EREMEEVA, M. - GRAVES, S. - KELLY, P.J. - SEKEYOVÁ, Zuzana - TAMURA, A. - TARASEVICH, I. - ZHANG, L. Naming of Rickettsiae and rickettsial diseases. In *Annals of the New York Academy of Sciences RICKETTSIOSES: FROM GENOME TO PROTEOME, PATHOBIOLOGY, AND RICKETTSIAE AS AN INTERNATIONAL THREAT*, 2006, vol. 1063, p. 1-12. (1.971 - IF2005).

Ohlasy:

1. [1.1] Pujalte, George G. A.; Chua, Joel V. Tick-borne Infections in the United States PRIMARY CARE Volume: 40 Issue: 3 Pages: 619-+ Published: SEP 2013, WOS
2. [1.1] Santibanez, S (Santibanez, Sonia)[1] ; Portillo, A (Portillo, Aranzazu)[1] ; Santibanez, P (Santibanez, Paula)[1] ; Palomar, AM (Palomar, Ana M.)[1] ; Oteo, JA (Antonio Oteo, Jose) Usefulness of rickettsial PCR assays for the molecular diagnosis of human rickettsioses ENFERMEDADES INFECCIOSAS Y MICROBIOLOGIA CLINICA Volume: 31 Issue: 5 Pages: 283-288, 2013, WOS
3. [1.1] Sandalakis, V (Sandalakis, Vassilios)[1] ; Chochlakis, D (Chochlakis, Dimosthenis)[1] ; Ioannou, I (Ioannou, Ioannis)[2] ; Psaroulaki, A (Psaroulaki, Anna)[1] Short Report: Identification of a Novel Uncultured Rickettsia Species Strain (Rickettsia Species Strain Tselenti) in Cyprus AMERICAN JOURNAL OF TROPICAL MEDICINE AND HYGIENE Volume: 88 Issue: 4 Pages: 698-700, 2013, WOS

ADCA271 RIIHONEN, R. - SUPURAN, C.T. - PARKKILA, S. - PASTOREKOVÁ, Silvia - VÄÄNÄNEN, H.K. - LAITALA-LEINONEN, T. Membrane-bound carbonic anhydrases in osteoclasts. In *Bone*, 2007, vol. 40, no. 4, p. 1021-1031. (3.829 - IF2006). (2007 - Current Contents). ISSN 8756-3282.

Ohlasy:

1. [1.1] Nakamura, M (Nakamura, Miho)[1] ; Hentunen, T (Hentunen, Teuvo)[2] ; Salonen, J (Salonen, Jukka)[2] ; Nagai, A (Nagai, Akiko)[1] ; Yamashita, K Characterization of bone mineral-resembling biomaterials for optimizing human osteoclast differentiation and resorption JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A Volume: 101 Issue: 11 Pages: 3141-3151, 2013, WOS
2. [1.1] Ando, T (Ando, Takashi)[1,2] ; Iizuka, N (Iizuka, Nobuko)[1] ; Sato, T (Sato, Toshiyuki)[1] ; Chikada, M (Chikada, Masahide)[2] ; Kurokawa, MS (Kurokawa, Manae S.)[1] ; Arito, M (Arito, Mitsumi)[1] ; Okamoto, K (Okamoto, Kazuki)[1] ; Suematsu, N (Suematsu, Naoya)[1] ; Makuuchi, H (Makuuchi, Haruo)[2] ; Kato, T Autoantigenicity of carbonic anhydrase 1 in patients with abdominal aortic aneurysm, revealed by proteomic surveillance HUMAN IMMUNOLOGY Volume: 74 Issue: 7 Pages: 852-857, 2013, WOS
3. [1.1] Fu, YX (Fu, Ying-Xiao)[1] ; Gu, JH (Gu, Jian-Hong)[1] ; Zhang, YR (Zhang, Yi-Ran)[1] ; Tong, XS (Tong, Xi-Shuai)[1] ; Zhao, HY (Zhao, Hong-Yan)[1] ; Yuan, Y (Yuan, Yan)[1] ; Liu, XZ (Liu, Xue-Zhong)[1] ; Bian, JC (Bian, Jian-Chun)[1] ; Liu, ZP Osteoprotegerin influences the bone resorption activity of osteoclasts INTERNATIONAL JOURNAL OF MOLECULAR MEDICINE Volume: 31 Issue: 6 Pages: 1411-1417, 2013, WOS

ADCA272 ROBERTS, D.L. - WILLIAMS, K.J. - COWEN, R.L. - BARÁTHOVÁ, Monika - EUSTACE, A.J. - BRITAIN-DISSONT, S. - TILBY, M.J. - PEARSON, D.G. - OTTLEY, C.J. - STRATFORD, I.J. - DIVE, C. Contribution of HIF-1 and drug penetrance to oxaliplatin resistance in hypoxic colorectal cancer cells. In *British Journal of Cancer*, 2009, vol. 101, p. 1290 - 1297. (4.848 - IF2008). (2009 - Current Contents). ISSN 1532-1827.

Ohlasy:

1. [1.1] Scartozzi, M (Scartozzi, Mario)[1] ; Giampieri, R (Giampieri, Riccardo)[1] ; Loretelli, C (Loretelli, Cristian)[1] ; Bittoni, A (Bittoni, Alessandro)[1] ; Mandolesi, A (Mandolesi, Alessandra)[2] ; Faloppi, L (Faloppi, Luca)[1] ; Bianconi, M (Bianconi, Maristella)[1] ; Del Prete, M (Del Prete, Michela)[1] ; Andrikou, K (Andrikou, Kalliopi)[1] ; Bearzi, I (Bearzi, Italo)[2] ; Cascinu, S Tumor angiogenesis genotyping and efficacy of first-line chemotherapy in metastatic gastric cancer patients PHARMACOGENOMICS Volume: 14 Issue: 16 Pages: 1991-1998, 2013, WOS

2. [1.1] Chen, CC (Chen, Chih-Cheng)[1,2,3] ; Chu, CB (Chu, Chia-Bao)[4] ; Liu, KJ (Liu, Ko-Jiunn)[4] ; Huang, CYF (Huang, Chi-Ying F.)[5] ; Chang, JY (Chang, Jang-Yang)[4,6] ; Pan, WY (Pan, Wen-Yu)[4] ; Chen, HH (Chen, Huang-Hui)[7] ; Cheng, YH (Cheng, Yun-Hsia)[1] ; Lee, KD (Lee, Kuan-Der)[1,2] ; Chen, MF (Chen, Miao-Fen)[2,8] ; Kuo, CC (Kuo, Ching-Chuan)[4,7,9] ; Chen, LT Gene expression profiling for analysis acquired oxaliplatin resistant factors in human gastric carcinoma TSGH-S3 cells: The role of IL-6 signaling and Nrf2/AKR1C axis identification BIOCHEMICAL PHARMACOLOGY Volume: 86 Issue: 7 Pages: 872-887, 2013, WOS
3. [1.1] Adamski, J (Adamski, Jennifer)[1,2,3] ; Price, A (Price, Andrew)[1] ; Dive, C (Dive, Caroline)[1,2] ; Makin, G Hypoxia-Induced Cytotoxic Drug Resistance in Osteosarcoma Is Independent of HIF-1Alpha PLOS ONE Volume: 8 Issue: 6 , 2013, WOS
4. [1.1] Becker, Jeanne L.; Souza, Glauco R Using space-based investigations to inform cancer research on Earth NATURE REVIEWS CANCER Volume: 13 Issue: 5 Pages: 315-327 Published: MAY 2013, WOS
5. [1.1] Kotze, HL (Kotze, Helen L.)[1] ; Armitage, EG (Armitage, Emily G.)[1] ; Fletcher, JS (Fletcher, John S.)[2] ; Henderson, A (Henderson, Alex)[2] ; Williams, KJ (Williams, Kaye J.)[3] ; Lockyer, NP (Lockyer, Nicholas P.)[4] ; Vickerman, JC ToF-SIMS as a tool for metabolic profiling small biomolecules in cancer systems SURFACE AND INTERFACE ANALYSIS Volume: 45 Issue: 1 Pages: 277-281 Special Issue: SI, 2013, WOS

ADCA273 ROSS, L.N.J. - BINNS, M.M. - TYERS, P. - PASTOREK, Jaromír - VARGA, V. - ZELNÍK, Vladimír. Construction and properties of a Turkey herpesvirus recombinant expressing the Mareks disease virus homologue of glycoprotein B of herpes simplex virus. In *Journal of General Virology*, 1993, vol. 74, no. 3, p. 371 - 377. (3.300 - IF1992). (1993 - Current Contents). ISSN 0022-1317.

Ohlasy:

1. [1.2] Cui, H.a, Gao, H.a, Cui, X.b, Zhao, Y.a, Shi, X.a, Li, Q.a, Yan, S.a, Gao, M.a, Wang, M.a, Liu, C.a, Wang, Y. Avirulent Marek's Disease Virus Type 1 Strain 814 Vectored Vaccine Expressing Avian Influenza (AI) Virus H5 Haemagglutinin Induced Better Protection Than Turkey Herpesvirus Vectored AI Vaccine PLoS ONE Volume 8, Issue 1, 3 January 2013, Article number e53340, SCOPUS

ADCA274 RUSŇÁKOVÁ - TARAGEL'OVÁ, Veronika - KOČI, Juraj - HANINCOVÁ, Klára - KURTENBACH, K. - DERDÁKOVÁ, Markéta - OGDEN, Nick H. - LITERÁK, I. - KOCIANOVÁ, Elena - LABUDA, Milan. Blackbirds and song thrushes constitute a key reservoir of *Borrelia garinii*, the causative agent of Borreliosis in Central Europe. In *Applied and Environmental Microbiology*, 2008, vol. 74, no. 4, p. 1289-1293. (4.004 - IF2007). (2008 - Current Contents). ISSN 0099-2240.

Ohlasy:

1. [1.1] NORTE, A. C. - RAMOS, J. A. - GERN, L. - NUNCIO, M. S. - LOPES DE CARVALHO, I. Birds as reservoirs for *Borrelia burgdorferi* s.l. in Western Europe: circulation of *B. turdi* and other genospecies in bird-tick cycles in Portugal. In ENVIRONMENTAL MICROBIOLOGY. ISSN 1462-2912, FEB 2013, vol. 15, no. 2, SI, p. 386-397., WOS
2. [1.1] SCHOLZ, Holger C. - MARGOS, G. - DERSCHUM, H. - SPECK, S. - TSERENNOROV, D. - ERDENEBAT, N. - UNDRAA, B. - ENKHTUJA, M. - BATTSETSEG, J. - OTGONCHIMEG, C. - OTGONSUREN, G. - NYMADULAM, B. - ROEMER, A. - THOMAS, A. - ESSBAUER, S. - WOELFEL, R. - KIEFER, D. - ZOELLER, L. - OTGONBAATAR, D. - FINGERLE, V. High prevalence of genetically diverse *Borrelia bavariensis*-like strains in *Ixodes persulcatus* from Selenge Aimag, Mongolia. In TICKS AND TICK-BORNE DISEASES. ISSN 1877-959X, 2013, vol. 4, no. 1-2, p. 89-92., WOS
3. [1.1] NETUSIL, Jakub, ZAKOVSKA, Alena, VOSTAL, Karel, NOREK, Adam, STANKO, Michal (2013) The occurrence of *Borrelia burgdorferi* sensu lato in certain ectoparasites (Mesostigmata, Siphonaptera) of *Apodemus flavicollis* and *Myodes glareolus* in chosen localities in the Czech Republic. ACTA PARASITOLOGICA Volume: 58 Issue: 3 Pages: 337-341 DOI:10.2478/s11686-013-0147-5, WOS
4. [1.1] GELLER, Julia, NAZAROVA, Lidia, KATARGINA, Olga, LEIVITS, Agu, JAERVEKUELIG, Lilian, GOLOVLJOVA, Irina (2013) Tick-Borne Pathogens in Ticks Feeding on Migratory Passerines in Western Part of Estonia. VECTOR-BORNE AND ZOONOTIC DISEASES Volume: 13 Issue: 7 Pages: 443-448 DOI:10.1089/vbz.2012.1054, WOS

5. [1.2] Samaš, P., Heryán, J., Grim, T. How does urbanization affect dispersal in Eurasian Blackbirds (*Turdus merula*)? *Sylvia* Volume 49, 2013, Pages 21-38, SCOPUS
6. [1.2] Galaviz-Silva, L., Pérez-Treviño, K.C., Molina-Garza, Z.J. Distribution of ixodid ticks on dogs in Nuevo León, Mexico, and their association with *Borrelia burgdorferi* sensu lato *Experimental and Applied Acarology* Volume 61, Issue 4, December 2013, Pages 491-501, SCOPUS
7. [1.2] Margos, G., Wilske, B., Sing, A., Hizo-Teufel, C., Cao, W.-C., Chu, C., Scholz, H., Straubinger, R.K., Fingerle, V. *Borrelia bavariensis* sp. nov. is widely distributed in Europe and Asia *International Journal of Systematic and Evolutionary Microbiology* Volume 63, Issue PART 11, November 2013, Pages 4284-4288, SCOPUS
8. [1.2] Norte, A.C.ab, Lopes de Carvalho, I.b, Nuncio, M.S., Ramos, J.A., Gern, L. Blackbirds *Turdus merula* as competent reservoirs for *Borrelia turdi* and *Borrelia valaisiana* in Portugal: Evidence from a xenodiagnostic experiment *Environmental Microbiology Reports* Volume 5, Issue 4, August 2013, Pages 604-607, SCOPUS

ADCA275 ŘEHÁČEK, Josef. Epidemiology and significance of Q fever in Czechoslovakia. In *Zentralblatt für Bakteriologie, Mikrobiologie und Hygiene A*, 1987, roč. 267, č., s. 16-19.

Ohlasy:

1. [1.2] Altay Çapın, G., Emre, Z., Canpolat, S., Vatansever, Y., Düzgün, A. Detection of *Coxiella burnetii* from ticks by polymerase chain reaction and restriction fragment length polymorphism *Ankara Üniversitesi Veteriner Fakültesi Dergisi* Volume 60, Issue 4, 2013, Pages 263-268, SCOPUS

ADCA276 ŘEHÁČEK, Josef - URVÖLGYI, Juraj - KOCIANOVÁ, Elena - SEKEYOVÁ, Zuzana - VAVREKOVÁ, M. - KOVÁČOVÁ, Elena. Extensive examination of different tick species for infestation with *Coxiella burnetii* in Slovakia. In *European Journal of Epidemiology*, 1991, vol. 7, no.3, p. 299 - 303. ISSN 0393-2990.

Ohlasy:

1. [1.2] Szymanska-Czerwinska, Monika, Monika Galińska, E.b, Niemczuk, K.a, Zasępa, M.c. Prevalence of *Coxiella burnetii* infection in foresters and ticks in south-eastern Poland and comparison of diagnostic methods *Annals of Agricultural and Environmental Medicine* Volume 20, Issue 4, 2013, Pages 699-704, SCOPUS
2. [1.2] Altay Çapın, G., Emre, Z., Canpolat, S., Vatansever, Y., Düzgün, A. Detection of *Coxiella burnetii* from ticks by polymerase chain reaction and restriction fragment length polymorphism *Ankara Üniversitesi Veteriner Fakültesi Dergisi* Volume 60, Issue 4, 2013, Pages 263-268, SCOPUS

ADCA277 ŘEHÁČEK, Josef - KAASERER, B. - URVÖLGYI, Juraj - LUKÁČOVÁ, Magdaléna - KOVÁČOVÁ, Elena - KOCIANOVÁ, Elena. Isolation of *Coxiella burnetii* and of an unknown rickettsial microorganism from *Ixodes ricinus* ticks collected in Austria. In *European Journal of Epidemiology*, 1994, vol. 10, no. 6, p. 719 - 723. (0.517 - IF1993). (1994 - Current Contents). ISSN 0393-2990.

Ohlasy:

1. [1.1] Cooper, A (Cooper, A.)[1] ; Stephens, J (Stephens, J.)[1] ; Ketheesan, N (Ketheesan, N.)[1] ; Govan, B. Detection of *Coxiella burnetii* DNA in Wildlife and Ticks in Northern Queensland, Australia *VECTOR-BORNE AND ZOONOTIC DISEASES* Volume: 13 Issue: 1 Pages: 12-16, 2013, WOS

ADCA278 ŘEHÁČEK, Josef - KOVÁČOVÁ, Elena - LISÁK, V. - RUMIN, W. Occurrence of *Coxiella burnetii*, rickettsia Slovaca and organisms resembling bacillary rickettsiae in their natural foci in Slovakia 20 years after their detection. In *Folia Parasitologica*, 1990, vol. 37, no. 3, p. 285 - 286. ISSN 0015-5683.

Ohlasy:

1. [1.1] Sekeyova, Z (Sekeyova, Z.)[1] ; Socolovschi, C (Socolovschi, C.)[2] ; Spitalska, E (Spitalska, E.)[1] ; Kocianova, E (Kocianova, E.)[1] ; Boldis, V (Boldis, V.)[3] ; Diaz, MQ (Diaz, M. Quevedo)[1] ; Berthova, L (Berthova, L.)[1] ; Bohacsova, M (Bohacsova, M.)[1] ; Valarikova, J (Valarikova, J.)[1] ; Fournier, PE (Fournier, P. Edouard)[2] ; Raoult, D. Update on Rickettsioses in Slovakia *ACTA VIROLOGICA* Volume: 57 Issue: 2 Pages: 180-199 Special Issue: SI, 2013, WOS

ADCA279 ŘEHÁČEK, Josef. Persistence of *Coxiella burnetii* in beetles. *Dermestes maculatus* (Dermestidae). (Article). In *Folia Parasitologica*, 1979, vol. 26, no. 1, p. 39 - 43. ISSN 0015-5683.

Ohlasy:

1. [1.2] Jurat-Fuentes, J.L.a, Jackson, T.A. Bacterial entomopathogens (Book Chapter) Insect Pathology 2012, Pages 265-349, SCOPUS

ADCA280 ŘEHÁČEK, Josef - KOVÁČOVÁ, Elena - KOVÁČ, P. Rickettsiae belonging to the spotted fever group from ticks in the Tribec Mountains. In *Folia Parasitologica*, 1976, vol. 23, p. 69. ISSN 0015-5683.

Ohlasy:

1. [1.1] Russ, Gustav; Kopacek, Juraj Special issue of Acta virologica to the 60th anniversary of foundation of the Institute of Virology of the Slovak Academy of Sciences INTRODUCTION , ACTA VIROLOGICA Volume: 57 Issue: 2 Special Issue: SI Pages: 88-90 Published: 2013, WOS

ADCA281 ŘEHÁČEK, Josef - VOŠTA, J. - TARASEVICH, I.V. - BREZINA, Rudolf - JABLONSKAJA, V.A. - PLOTNIKOVA, L.F. - FETISOVA, N.F. - HANÁK, P. Rickettsioses studies. 3. Natural foci of rickettsioses in south Bohemia. In *Bulletin of the World Health Organization*, 1977, vol. 55, no. 4, p. 455-461. ISSN 0042-9686.

Ohlasy:

1. [1.1] Marenzoni, M.L.a , Stefanetti, V.a, Papa, P.b, Casagrande Proietti, P.a, Bietta, A.a, Coletti, M.a, Passamonti, F.a, Henning, K. Is the horse a reservoir or an indicator of Coxiella burnetii infection? Systematic review and biomolecular investigation Veterinary Microbiology Volume 167, Issue 3-4, 27 December 2013, Pages 662-669, WOS

ADCA282 ŘEHÁČEK, Josef - KRAUSS, H. - KOCIANOVÁ, Elena - KOVÁČOVÁ, Elena - HINTERBERGER, G. - HANÁK, P. - TUMA, V. Studies of the prevalence of Coxiella burnetii the agent of Q fever, in the foothills of their southern Bavarian forest Germany. In *Zentralblatt für Bakteriologie*, 1993, vol. 278, no. 1, p. 132 - 138.

Ohlasy:

1. [1.1] Georgiev, M (Georgiev, M.)[1] ; Afonso, A (Afonso, A.)[2] ; Neubauer, H (Neubauer, H.)[3] ; Needham, H (Needham, Howard)[4] ; Thiery, R (Thiery, R.)[5] ; Rodolakis, A (Rodolakis, A.)[6] ; Roest, HJ (Roest, H. J.)[7,8] ; Stark, KD (Staerk, K. D.)[9] ; Stegeman, JA (Stegeman, J. A.)[10] ; Vellema, P (Vellema, P.)[11] ; van der Hoek, W (van der Hoek, W.)[12] ; More, SJ (More, S. J.)[13] Q fever in humans and farm animals in four European countries, 1982 to 2010 EUROSURVEILLANCE Volume: 18 Issue: 8 Pages: 13-25, 2013, WOS
2. [1.1] Szymanska-Czerwinska, M (Szymanska-Czerwinska, Monika)[1] ; Galinska, EM (Galinska, Elzbieta Monika)[2] ; Niemczuk, K (Niemczuk, Krzysztof)[1] ; Zasepa, M Prevalence of Coxiella burnetii infection in foresters and ticks in south-eastern Poland and comparison of diagnostic methods ANNALS OF AGRICULTURAL AND ENVIRONMENTAL MEDICINE Volume: 20 Issue: 4 Pages: 699-704, 2013, WOS

ADCA283 ŘEHÁČEK, Josef - URVÖLGYI, Juraj - KOCIANOVÁ, Elena - JEDLIČKA, L. Susceptibili some species of rodents to rickettsiae. In *Folia Parasitologica*, 1992, roč. 39, č. 3, s. 265-284.

Ohlasy:

1. [1.1] Martello, E (Martello, Elisa)[1] ; Selmi, M (Selmi, Marco); Ragagli, C (Ragagli, Charlotte)[2] ; Ambroggi, C (Ambroggi, Cecilia)[2] ; Stella, MC (Stella, Maria Cristina)[1] ; Mannelli, A (Mannelli, Alessandro)[1] ; Tomassone, L (Tomassone, Laura)[1] Rickettsia slovaca in immature Dermacentor marginatus and tissues from Apodemus spp. in the northern Apennines, Italy TICKS AND TICK-BORNE DISEASES Volume: 4 Issue: 6 Pages: 518-521, 2013, WOS

ADCA284 SAARNIO, J. - PARKKILA, S. - PARKKILA, A.K. - WAHEED, A. - CASEY, M.C. - ZHOU, X.Y. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - KIARTTUNEN, T. - HAUKIPURO, K. - KAIRALUOMA, M.I. - SLY, W.S. Immunohistochemistry of carbonic anhydrase isozyme IX (MN/CA IX) in human gut reveals polarized expression in the epithelial cells with the highest proliferative capacity. In *Journal of Histochemistry & Cytochemistry*, 1998, vol. 46, no. 4, p. 497-504. (2.776 - IF1997). ISSN 0022-1554.

Ohlasy:

1. [1.1] Abe, Shinichi; Nakao, Tadashi (nakaotadashi@tdc.ac.jp) ; Yoshihito, Toshihito; Parkkla, Seppo; Murakami, Gen; Cho, Baik Hwan Expression of carbonic anhydrase in the fetal eye and extra-

- ocular tissues Okajimas Folia Anatomica Japonica Volume:90 Issue:3 Pages:59-68, 2013, WOS
2. [1.1] Yoshimura, Kazuhiro; Uemura, Hirotsugu Role of vaccine therapy for renal cell carcinoma in the era of targeted therapy INTERNATIONAL JOURNAL OF UROLOGY Volume: 20 Issue: 8 Pages: 744-755 Published: AUG 2013, WOS
3. [1.1] McCormick, RI (McCormick, R. I.)[1,2] ; Blick, C (Blick, C.)[1] ; Ragoussis, J (Ragoussis, J.)[3] ; Schoedel, J (Schoedel, J.)[4] ; Mole, DR (Mole, D. R.)[4] ; Young, AC (Young, A. C.)[4] ; Selby, PJ (Selby, P. J.)[5] ; Banks, RE (Banks, R. E.)[5] ; Harris, AL miR-210 is a target of hypoxia-inducible factors 1 and 2 in renal cancer, regulates ISCU and correlates with good prognosis BRITISH JOURNAL OF CANCER Volume: 108 Issue: 5 Pages: 1133-1142, 2013, WOS
4. [1.2] Rana, S.abc, Nissen, F.abc, Lindner, T.abc, Altmann, A.abc, Mier, W.abc, Debus, J.abc, Haberkorn, U.abc, Askoxylakis, V. Screening of a novel peptide targeting the proteoglycan-Like region of human carbonic anhydrase 9 Molecular Imaging Volume 12, Issue 8, November 2013, SCOPUS
5. [1.2] Kajo, K.a , Turčan, I.b, Vallová, M.a, Laboš, T.a, Kajo, M.a, Machálek, K.a, Galbavý, Š.ac, Žúbor, P. Expression of carbonic anhydrase IX in the breast Carcinomas [Expresia karbonickej anhydrázy IX v karcinómoch prsníka], SCOPUS

ADCA285 SAARNIO, J. - PARKKILA, S. - PARKKILA, A.K. - HAUKIPURO, K. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - KAIRALUOMA, M.I. - KARTTUNEN, T.J. Immunohistochemical study of colorectal tumors for expression of a novel transmembrane carbonic anhydrase, MN/CA IX, with potential value as a marker of cell proliferation. In *American Journal of Pathology : Official Journal of The American Association of Pathologists*, 1998, vol. 153, no.1, p.279-285. (6.501 - IF1997). (1998 - Current Contents).

Ohlasy:

1. [1.1] Yoshimura, Kazuhiro; Uemura, Hirotsugu Role of vaccine therapy for renal cell carcinoma in the era of targeted therapy NTERNATIONAL JOURNAL OF UROLOGY Volume: 20 Issue: 8 Pages: 744-755 Published: AUG 2013, WOS
2. [1.1] Teppo, S (Teppo, Susanna)[1,2] ; Sundquist, E (Sundquist, Elias)[1,2] ; Vered, M (Vered, Marilena)[3] ; Holappa, H (Holappa, Heidi)[4] ; Parkkisenniemi, J (Parkkisenniemi, Juha)[1,2] ; Rinaldi, T (Rinaldi, Tatiana)[1,2] ; Lehenkari, P (Lehenkari, Petri)[5] ; Grenman, R (Grenman, Reidar)[6,7,8] ; Dayan, D (Dayan, Dan)[3] ; Risteli, J (Risteli, Juha)[9,10] ; Salo, T (Salo, Tuula)[1,2,10] ; Nyberg, P The hypoxic tumor microenvironment regulates invasion of aggressive oral carcinoma cells EXPERIMENTAL CELL RESEARCH Volume: 319 Issue: 4 Pages: 376-389, 2013, WOS
3. [1.1] Mikami, Y (Mikami, Yoshiki)[1] ; Minamiguchi, S (Minamiguchi, Sachiko)[1] ; Teramoto, N (Teramoto, Norihiro)[2] ; Nagura, M (Nagura, Michikazu)[3] ; Haga, H (Haga, Hironori)[1] ; Konishi, I Carbonic anhydrase type IX expression in lobular endocervical glandular hyperplasia and gastric-type adenocarcinoma of the uterine cervix PATHOLOGY RESEARCH AND PRACTICE Volume: 209 Issue: 3 Pages: 173-178, 2013, WOS

ADCA286 SAMISH, M. - ŘEHÁČEK, Josef. Pathogens and predators of ticks and their potential in biological control. In *Annual Review of Entomology*, 1999, vol. 44, no., p. 159-182. (1999 - Current Contents).

Ohlasy:

1. [1.2] Beys-da-Silva, W.O. , Santi, L., Vainstein, M.H., Schrank, A. Biocontrol of the cattle tick rhipicephalus (Boophilus) microplus by the acaricidal fungus metarhizium anisopliae 2012, Pages 217-247, SCOPUS
2. [1.2] Suleiman Elham, A.a, Shigidi, M.T.b, Hussan, S.M. Activity of scopulariopsis brevicaulis on Hyalomma anatolicum and Amblyomma lepidum (Acari: Ixodidae) Journal of Medical Sciences (Faisalabad) Volume 13, Issue 8, 2013, Pages 667-675, SCOPUS
3. [1.2] Suleiman, E.A.a, Shigidi, M.T.b, Hassan, S.M. Metarhizium anisopliae as a biological control agent against Hyalomma anatolicum (Acari: Ixodidae) Pakistan Journal of Biological Sciences Volume 16, Issue 24, 2013, Pages 1943-1949, SCOPUS
4. [1.2] Garcia-Alvarez, L., Palomar, A.M., Oteo, J.A. Prevention and prophylaxis of tick bites and tick-borne related diseases American Journal of Infectious Diseases Volume 9, Issue 3, 4 September 2013, Pages 104-116, SCOPUS

5. [1.2] Ma, M., Guan, G., Liu, Q., Dang, Z., Liu, A., Ren, Q., Liu, Z., Li, Y., Chen, Z., Liu, J., Yang, J., Yin, H., Luo, J. The in vitro efficacy of deltamethrin and alpha-cypermethrin against engorged female *Haemaphysalis qinghaiensis* ticks (Acari: Ixodidae) *Experimental Parasitology* Volume 134, Issue 4, August 2013, Pages 405-408, SCOPUS
6. [1.2] Shang, X.-F.a, Miao, X.-L.a, Wang, D.-S.a, Li, J.-X.a, Wang, X.-Z.a, Yan, Z.-T.a, Wang, C.-M.a, Wang, Y.a, He, X.-R.b, Pan, H. Acaricidal activity of extracts from *Adonis coerulea* Maxim. against *Psoroptes cuniculi* in vitro and in vivo *Veterinary Parasitology* Volume 195, Issue 1-2, 1 July 2013, Pages 136-141, SCOPUS
7. [1.2] Prather, C.M.abc, Pelini, S.L.de, Laws, A.fg, Rivest, E.hi, Woltz, M.jk, Bloch, C.P.cl, Del Toro, I.dm, Ho, C.-K.no, Kominoski, J.pq, Newbold, T.A.S.r, Parsons, S.fg, Joern, A. Invertebrates, ecosystem services and climate change *Biological Reviews* Volume 88, Issue 2, May 2013, Pages 327-348, SCOPUS
8. [3] Farkas, R (Farkas, Robert)[1] ; Salman, M (Salman, Mo)[2] ; Estrada-Pena, A Surveillance and Control Measures Book Author(s):EstradaPena, A (EstradaPena, A); Farkas, R (Farkas, R); Jaenson, TGT (Jaenson, TGT); Koenen, F (Koenen, F); Madder, M (Madder, M); Pascucci, I (Pascucci, I); Salman, M (Salman, M); DeSousa, R (DeSousa, R); Walker, AR TICKS AND TICK-BORNE DISEASES: GEOGRAPHICAL DISTRIBUTION AND CONTROL STRATEGIES IN THE EURO-ASIA REGION Pages: 98-114, 2013

ADCA287 SEKEYOVÁ, Zuzana - SUBRAMANIAN, G. - MEDIANNIKOV, O. - QUEVEDO-DIAZ, Marco - NYITRAY, Marco - BLÁŠKOVIČOVÁ, H. - RAOULT, D. Evaluation of clinical specimens for Rickettsia, Bartonella, Borrelia, Coxiella, Anaplasma, Francisella and Diplorickettsia positivity using serological and molecular biology methods. In *FEMS Immunology and Medical Microbiology*, 2012, vol. 64, no. 1, p. 82 - 91. (2.441 - IF2011). (2012 - Current Contents). ISSN 0928-8244.

Ohlasy:

1. [1.1] Ybanez, AP (Ybanez, Adrian Patalinghug)[1,2] ; Sato, F (Sato, Fumio)[3] ; Nambo, Y (Nambo, Yasuo)[3] ; Fukui, T (Fukui, Takashi)[4] ; Masuzawa, T (Masuzawa, Toshiyuki)[4] ; Ohashi, N (Ohashi, Norio)[5] ; Matsumoto, K (Matsumoto, Kotaro)[1] ; Kishimoto, T (Kishimoto, Toshio)[6] ; Inokuma, H Survey on Tick-Borne Pathogens in Thoroughbred Horses in the Hidaka District, Hokkaido, Japan *JOURNAL OF VETERINARY MEDICAL SCIENCE* Volume: 75 Issue: 1 Pages: 11-15, 2013, WOS
2. [1.1] Ybanez, AP (Ybanez, Adrian Patalinghug)[1,2] ; Sivakumar, T (Sivakumar, Thillaiampalam)[3] ; Ybanez, RHD (Ybanez, Rochelle Haidee Daclan)[3] ; Ratilla, JC (Ratilla, Jowarren Catingan)[4] ; Perez, ZO (Perez, Zandro Obligado)[5] ; Gabotero, SR (Gabotero, Shirleny Reyes)[5] ; Hakimi, H (Hakimi, Hassan)[2,3] ; Kawazu, S (Kawazu, Shin-ichiro)[3] ; Matsumoto, K (Matsumoto, Kotaro)[1] ; Yokoyama, N (Yokoyama, Naoaki)[2,3] ; Inokuma, H First Molecular Characterization of *Anaplasma marginale* in Cattle and *Rhipicephalus (Boophilus) microplus* Ticks in Cebu, Philippines *JOURNAL OF VETERINARY MEDICAL SCIENCE* Volume: 75 Issue: 1 Pages: 27-36, 2013, WOS
3. [1.1] Zajac, V.a, Wójcik-Fatla, A.a, Cisak, E.a, Sroka, J.ab, Sawczyn, A.a, Dutkiewicz, J. Study on tick-borne rickettsiae in eastern Poland. II. Serological response of occupationally exposed populations *Annals of Agricultural and Environmental Medicine* Volume 20, Issue 2, 2013, Pages 280-282, WOS

ADCA288 SEKEYOVÁ, Zuzana - KOWALEZEWSKA, M. - DECLOQUEMENT, P. - PELLETIER, N. - ŠPITÁLSKA, Eva - RAOULT, D. Identification of protein candidates for serodiagnosis of Q fever endocarditis by an immunoproteomic approach. In *European journal of clinical microbiology & infectious diseases*, 2009, vol. 28, p. 287 - 295. (2.866 - IF2008). (2009 - Current Contents). ISSN 0934-9723.

Ohlasy:

1. [1.1] Vranakis, I (Vranakis, Iosif)[1] ; Papadioti, A (Papadioti, Anastasia)[2] ; Tselentis, Y (Tselentis, Yannis)[1] ; Psaroulaki, A (Psaroulaki, Anna)[1,3] ; Tsiotis, G (Tsiotis, Georgios) The contribution of proteomics towards deciphering the enigma of *Coxiella burnetii* *PROTEOMICS CLINICAL APPLICATIONS* Volume: 7 Issue: 1-2 Pages: 193-204 Special Issue: SI, 2013, WOS
2. [1.1] Toman, R (Toman, R.)[1] ; Skultety, L (Skultety, L.)[1] ; Palkovicova, K (Palkovicova, K.)[1] ; Florez-Ramirez, G (Florez-Ramirez, G.)[1] ; Vadovic, P (Vadovic, P.) Recent progress in glycomics

and proteomics of the Q fever bacterium *Coxiella burnetii* ACTA VIROLOGICA Volume: 57 Issue: 2
Pages: 229-237 Special Issue: SI, 2013, WOS

ADCA289 SEKEYOVÁ, Zuzana - KOVÁČOVÁ, Elena. Identification and characterization of *Coxiella burnetii* strains and isolates using monoclonal antibodies. In *Annals of the New York Academy of Sciences*. - New York : New York Academy of Sciences, 2006, vol. 1078, p. 557-560. (1.971 - IF2005). ISSN 0077-8923.

Ohlasy:

1. [1.1] Biswas, Silpak; Rolain, Jean-Marc Use of MALDI-TOF mass spectrometry for identification of bacteria that are difficult to culture JOURNAL OF MICROBIOLOGICAL METHODS Volume: 92 Issue: 1 Pages: 14-24 Published: JAN 2013, WOS

ADCA290 SEKEYOVÁ, Zuzana - MEDIANNIKOV, O. - ROUX, V. - SUBRAMANIAN, G. - ŠPITÁLSKA, Eva - KRIŠTOFÍK, Ján - DAROLOVÁ, Alžbeta - RAOULT, D. Identification of *Rickettsia africae* and *Wolbachia* sp. in *Ceratophyllus garei* Fleas from Passerine birds migrated from Africa. In *Vector-Borne and Zoonotic Diseases*, 2012, vol. 12, no. 7, p. 539-543. (2.437 - IF2011). (2012 - Current Contents). ISSN 1530-3667.

Ohlasy:

1. [1.2] CHMIELEWSKI, T.A, SZYMANEK, A.B, MAĆZKA, I.A , FIECEK, B.A, SIMON, K.AC, TYLEWSKA-WIERZBANOWSKA, S. (2013) Case report of African tick-bite fever from Poland. POSTĘPY DERMATOLOGII I ALERGOLOGII Volume 30, Issue 6, Pages 396-398, SCOPUS
2. [3] FOURNIER Pierre-Edouard (2013) RAPPORT D'ACTIVITE 2013. Centre National de Référence des Rickettsies, Coxiella et Bartonella. UMR 7278-IRD 198-INSERM U1095. Centre Collaborateur. Aix Marseille Universite. 105 pp. http://www.mediterranee-infection.com/arkotheque/client/ihumed/_depot_arko/articles/450/rapport-cnr-rick-cox-barto-2013_doc.pdf, Google Scholar

ADCA291 SEKEYOVÁ, Zuzana - ROUX, V. - RAOULT, D. Intraspecies diversity of *Coxiella burnetii* as revealed by com1 and mucZ sequence comparison. In *FEMS Microbiology Letters*, 1999, vol. 180, p. 61 - 67. (1.581 - IF1998). (1999 - Current Contents). 2/4002/99.

Ohlasy:

1. [1.1] Bielawska-Drozd, A (Bielawska-Drozd, Agata)[1] ; Cieslik, P (Cieslik, Piotr)[1] ; Mirski, T (Mirski, Tomasz)[1] ; Bartoszcze, M (Bartoszcze, Michal)[1] ; Knap, JP (Knap, Jozef Piotr)[2] ; Gawel, J (Gawel, Jerzy)[1] ; Zakowska, D (Zakowska, Dorota)[1] Q fever - selected issues ANNALS OF AGRICULTURAL AND ENVIRONMENTAL MEDICINE Volume: 20 Issue: 2 Pages: 222-232, 2013, WOS
2. [1.2] Roest, H.I.J.a , Bossers, A.b, van Zijderveld, F.G.a, Rebel, J.M.L.b Clinical microbiology of coxiella burnetii and relevant aspects for the diagnosis and control of the zoonotic disease Q fever Veterinary Quarterly Volume 33, Issue 3, 2013, Pages 148-160, SCOPUS
3. [1.1] Schuster, C (Schuster, Christina)[1] ; Kleespies, RG (Kleespies, Regina G.)[1] ; Ritter, C (Ritter, Claudia)[2] ; Feiertag, S (Feiertag, Simon)[2,1] ; Leclerque, A (Leclerque, Andreas)[1] Multilocus Sequence Analysis (MLSA) of 'Rickettsiella agrioidis', an Intracellular Bacterial Pathogen of Agriotes Wireworms CURRENT MICROBIOLOGY Volume: 66 Issue: 1 Pages: 1-9, 2013, WOS

ADCA292 SERBEZOV, V. - KAZÁR, Ján - NOVOKIRISHKI, V. - GATCHEVA, N. - KOVÁČOVÁ, Elena - VOYNOVA, V. Q fever in Bulgaria and Slovakia. In *Emerging Infectious Diseases*, 200, vol., no., p. ISSN 1080-6040. 64017.

Ohlasy:

1. [1.1] Georgiev, M (Georgiev, M.)([1] ; Afonso, A (Afonso, A.)([2] ; Neubauer, H (Neubauer, H.)([3] ; Needham, H (Needham, Howard)([4] ; Thiery, R (Thiery, R.)([5] ; Rodolakis, A (Rodolakis, A.)([6] ; Roest, HJ (Roest, H. J.)([7,8] ; Stark, KD (Stark, K. D.)([9] ; Stegeman, JA (Stegeman, J. A.)([10] ; Vellema, P (Vellema, P.)([11] ; van der Hoek, W (van der Hoek, W.)([12] ; More, SJ Q fever in humans and farm animals in four European countries, 1982 to 2010 EUROSURVEILLANCE Volume: 18 Issue: 8 Pages: 13-25, 2013, WOS

ADCA293 SHANKAVARAM, U. - FLIEDNER, S.M. - ELKAHLOUN, A. G. - BARB, J.J. - MUNSON, P.J. - HUYNH, T.T. - MATRO, J.C. - TURKOVÁ, H. - LINEHAN, W.M. - TISCHLER, A. S. - POWERS, J.F. - DE KRIJGER, R. - BAYSAL, B.E. - TAKÁČOVÁ, Martina - PASTOREKOVÁ, Silvia - GIUS, D. - LEHNERT, H. - CAMPHAUSEN, K. - PACAK, K. Genotype and tumor locus determine expression profile of pseudohypoxic pheochromocytomas and paragangliomas. In *Neoplasia*, 2013, vol. 4, p. 435 - 447. (5.470 - IF2012). (2013 - Current Contents). ISSN 1522-8002.

Ohlasy:

1. [1.1] Rehemtulla, A. Cancer subclonal genetic architecture as a key to personalized medicine *Neoplasia* (United States) Volume 15, Issue 12, December 2013, Pages 1410-1420, WOS

ADCA294 SHERRY, B. - SCHMIDTMAYEROVÁ, Helena - DUBROVSKÝ, L. - RAABE, T. - BUKRINSKY, M. Nitric oxide regulates MIP-1 alpha expression in primary macrophages and T lymphocytes: Implications for anti-HIV-1 response. In *Molecular Medicine*, 2000, vol. 6, no. 6, p. 542 - 549. ISSN 1076-01551.

Ohlasy:

1. [1.1] Chandrasekar, B (Chandrasekar, Bhagawat)[1] ; Deobagkar-Lele, M (Deobagkar-Lele, Mukta)[1] ; Victor, ES (Victor, Emmanuel S.)[1] ; Nandi, D Regulation of Chemokines, CCL3 and CCL4, by Interferon gamma and Nitric Oxide Synthase 2 in Mouse Macrophages and During *Salmonella enterica* Serovar Typhimurium Infection JOURNAL OF INFECTIOUS DISEASES Volume: 207 Issue: 10 Pages: 1556-1568,2013, WOS
2. [1.1] Wallace, CA (Wallace, Carol A.)[1] ; Moir, G (Moir, Gill)[1] ; Malone, DFG (Malone, David F. G.)[1] ; Duncan, L (Duncan, Linda)[1] ; Devarajan, G (Devarajan, Gayathri)[1] ; Crane, IJ Regulation of T-Lymphocyte CCL3 and CCL4 Production by Retinal Pigment Epithelial Cells INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE Volume: 54 Issue: 1 Pages: 722-730, 2013, WOS

ADCA295 SCHLEGEL, M. - RADOSA, Lukáš - ROSENFELD, U.M. - SCHMIDT, S. - TRIEBENBACHER, C. - LÖHR, P.W. - FUCHS, D. - HEROLDOVÁ, M. - JÁNOVÁ, E. - STANKO, Michal - MOŠANSKÝ, Ladislav - FRIČOVÁ, Jana - PEJČOCH, M. - SUCHOMEL, J. - PURCHART, L. - GROSCHUP, M.H. - KRÜGER, D.H. - KLEMPA, Boris - ULRICH, R.G. Broad geographical distribution and high genetic diversity of shrew-borne Seewis hantavirus in Central Europe. In *Virus Genes*, 2012, vol. 45, p. 48 - 55. (1.845 - IF2011). (2012 - Current Contents). ISSN 0920-8569.

Ohlasy:

1. [1.1] Gu, SH (Gu, Se Hun)[1] ; Markowski, J (Markowski, Janusz)[2] ; Kang, HJ (Kang, Hae Ji)[1] ; Hejduk, J (Hejduk, Janusz)[2] ; Sikorska, B (Sikorska, Beata)[3] ; Liberski, PP (Liberski, Pawel P.)[3] ; Yanagihara, R (Yanagihara, Richard)[1] Boginia virus, a newfound hantavirus harbored by the Eurasian water shrew (*Neomys fodiens*) in Poland VIROLOGY JOURNAL Volume: 10 Article Number: 160 DOI: 10.1186/1743-422X-10-160 Published: MAY 22 2013, WOS
2. [1.1] Resman, K (Resman, Katarina)[1] ; Korva, M (Korva, Misa)[1] ; Fajs, L (Fajs, Luka)[1] ; Zidaric, T (Zidaric, Tanja)[1] ; Trilar, T (Trilar, Tomi)[2] ; Zupanc, TA (Zupanc, Tatjana Avsic) Molecular evidence and high genetic diversity of shrew-borne Seewis virus in Slovenia VIRUS RESEARCH Volume: 177 Issue: 1 Pages: 113-117, 2013, WOS
3. [1.1] Reusken, Chantal; Heyman, Paul Factors driving hantavirus emergence in Europe CURRENT OPINION IN VIROLOGY Volume: 3 Issue: 1 Pages: 92-99 Published: FEB 2013, WOS
4. [1.2] Korva, M.a , Knap, N.a , Rus, K.R.a , Fajs, L.a , Grubelnik, G.a , Bremec, M.a , Knapič, T.b , Trilar, T.b , Avšič Županc, T. Phylogeographic diversity of pathogenic and non-pathogenic hantaviruses in Slovenia Viruses Volume 5, Issue 12, 10 December 2013, Pages 3071-3087, SCOPUS

ADCA296 SCHLEGEL, M. - KLEMPA, Boris - AUSTE, B. - BEMMANN, M. - SCHMIDT-CHANASIT, J. - BUCHNER, T. - GROSCHUP, M.H. - MEIER, M. - BUSCHMANN, A. - ZOLLER, H. - KRÜGER, D.H. - ULRICH, R.G. Dobrava-Belgrade virus spillover infections, Germany. In *Emerging Infectious Diseases*, 2009, vol. 15, no. 12, p. 2017 - 2020. (6.449 - IF2008). (2009 - Current Contents). ISSN 1080-6040.

Ohlasy:

1. [1.1] Reusken, Chantal; Heyman, Paul Factors driving hantavirus emergence in Europe CURRENT OPINION IN VIROLOGY Volume: 3 Issue: 1 Pages: 92-99 DOI:

10.1016/j.coviro.2013.01.002 Published: FEB 2013, WOS

2. [1.1] Goeijenbier, M (Goeijenbier, Marco)[1] ; Wagenaar, J (Wagenaar, Jiri)[1,2,3] ; Goris, M (Goris, Marga)[3] ; Martina, B (Martina, Byron)[1] ; Henttonen, H (Henttonen, Heikki)[4] ; Vaheri, A (Vaheri, Antti)[5] ; Reusken, C (Reusken, Chantal)[6] ; Hartskeerl, R (Hartskeerl, Rudy)[3] ; Osterhaus, A (Osterhaus, Albert)[1] ; Van Gorp, E (Van Gorp, Eric)[1] Rodent-borne hemorrhagic fevers: under-recognized, widely spread and preventable - epidemiology, diagnostics and treatment CRITICAL REVIEWS IN MICROBIOLOGY Volume: 39 Issue: 1 Pages: 26-42 DOI: 10.3109/1040841X.2012.686481 Published: FEB 2013, WOS

3. [1.2] Forbes, K.M., Huitu, O., Sironen, T., Voutilainen, L., Stuart, P., Niemimaa, J., Vapalahti, O., Henttonen, H. Experimental investigation of a hantavirus host-switch between arvicoline rodents Lemmus lemmus and Myodes glareolus Journal of Vector Ecology 38 (2) , pp. 408-410, 2013, SCOPUS

ADCA297 SCHMIDT, Jaroslav - JANDRIG, B. - KLEMPA, Boris - YOSHIMATSU, K. - ARIKAWA, J. - MEISEL, H. - PITRA, C. - KRUGER, D.H. - ULRICH, R. Nucleocapsid protein of cell culture-adapted Seoul virus strain. In *Virus Genes*. - Norwell : Kluwer Academic Publishers, 2005, vol. 30, p. 37-48. (1.250 - IF2004). (2005 - Current Contents). ISSN 0920-8569.

Ohlasy:

1. [3] Bisen, Prakash S.; Raghuvanshi, Ruchika Book Author(s): Bisen, PS; Raghuvanshi, R EMERGING EPIDEMICS: MANAGEMENT AND CONTROL Pages: 375-399 Published: 2013

ADCA298 SCHMIDTMAYEROVÁ, Helena - ALFANO, M. - NUOVO, G. - BUKRINSKY, M. Human immunodeficiency virus type 1 T - lymphotropic strains enter macrophages via a CD4- and CXCR4-Mediated pathway: Replication is restricted at a post-entry level. In *Journal of Virology*, 1998, vol. 72, no. 6, p. 4633 - 4642. (5.821 - IF1997). (1998 - Current Contents). ISSN 0022-538X.

Ohlasy:

1. [1.1] Napuri, J (Napuri, Jessica)[1] ; Pilakka-Kanthikeel, S (Pilakka-Kanthikeel, Sudheesh)[1,2,3] ; Raymond, A (Raymond, Andrea)[1,2] ; Agudelo, M (Agudelo, Marisela)[1,2] ; Yndart-Arias, A (Yndart-Arias, Adriana)[1,2,3] ; Saxena, SK (Saxena, Shailendra K.)[4] ; Nair, M Cocaine Enhances HIV-1 Infectivity in Monocyte Derived Dendritic Cells by Suppressing microRNA-155 PLOS ONE Volume: 8 Issue: 12, Article Number: e83682, 2013, WOS
2. [1.1] Iordanskiy, S (Iordanskiy, Sergey)[1] ; Santos, S (Santos, Steven)[1] ; Bukrinsky, M Nature, nurture and HIV: The effect of producer cell on viral physiology VIROLOGY Volume: 443 Issue: 2 Pages: 208-213, 2013, WOS
3. [1.1] van Wilgenburg, B (van Wilgenburg, Bonnie)[1] ; Browne, C (Browne, Cathy)[1] ; Vowles, J (Vowles, Jane)[1] ; Cowley, SA Efficient, Long Term Production of Monocyte-Derived Macrophages from Human Pluripotent Stem Cells under Partly-Defined and Fully-Defined Conditions PLOS ONE Volume: 8 Issue: 8, 2013, WOS

ADCA299 SCHMIDTMAYEROVÁ, Helena - NOTTET, H.S.L.M. - NUOVO, G. - RAABE, T. - FLANAGAN, C.R. - DUBROVSKÝ, L. - GENDELMAN, H.E. - CERAMI, A. - BUKRINSKY, M. - SHERRY, B. Human immunodeficiency virus type 1 infection alters chemokine beta peptide expression in Human monocytes: implications for recruitment of leukocytes into brain and lymph nodes. In *Proceedings of the National Academy of Sciences of the United States of America*, 1996, vol. 93, no.2, p. 700 - 704. ISSN 0027-8424.

Ohlasy:

1. [1.1] Zhou, L., Saksena, N.K. HIV associated neurocognitive disorders Infectious Disease Reports Volume 5, Issue SUPPL.1, 2013, Pages 38-50, SCOPUS

ADCA300 SCHWARZOVÁ, Katarína - BETÁKOVÁ, Tatiana - NEMETH, J. - MIZÁKOVÁ, A. Detection of *Borrelia burgdorferi* sensu lato and *Chlamydia psittaci* in throat and cloacal swabs from birds migrating through Slovakia. In *Folia microbiologica*, 2006, vol.51, no. 6, p. 653 - 658. (0.977 - IF2005). (2006 - Current Contents). ISSN 0015-5632.

Ohlasy:

1. [1.2] Tomassone, L., Grego, E., Auricchio, D., Iori, A., Giannini, F., Rambozzi, L. Lyme borreliosis

spirochetes and spotted fever group rickettsiae in ixodid ticks from pianosa Island, Tuscany Archipelago, Italy Vector-Borne and Zoonotic Diseases 13 (2) , pp. 84-91 , 2013, SCOPUS

ADCA301 SIBOLD, C. - MEISEL, Helga - KRUEGER, D.H. - LABUDA, Milan - LYSÝ, J. - KOŽUCH, Otto - PEJČOCH, M. - VAHERI, A. - PLYUSNIN, A. Recombination in Tula hantavirus evolution: Analysis of genetic lineages from Slovakia. In *Journal of Virology*, 1999, vol. 73, p. 667-675. (5.828 - IF1998). (1999 - Current Contents). ISSN 0022-538X.

Ohlasy:

1. [1.2] Zelená, H.ab , Mrázek, J.a, Kuhn, T. Tula hantavirus infection in immunocompromised host, Czech Republic Emerging Infectious Diseases Volume 19, Issue 11, November 2013, Pages 1873-1876, SCOPUS
2. [1.2] Villabona-Arenas, C.J., De Brito, A.F., De Andrade Zanotto, P.M. Genomic mosaicism in two strains of dengue virus type 3 Infection, Genetics and Evolution Volume 18, August 2013, Pages 202-212, SCOPUS

ADCA302 SIBOLD, C. - MEISEL, H. - LUNDKVIST, A. - SCHULZ, A. - CIFIRE, F. - ULRICH, R. - KOŽUCH, Otto - LABUDA, Milan - KRÜGER, D.H. Short report: Simultaneous occurrence of Dobrava, Puumala , and Tula hantavirus in Slovakia. In *American Journal of Tropical Medicine and Hygiene*, 1999, vol. 61, no. 3, p. 409-411. (2.068 - IF1998). (1999 - Current Contents). ISSN 0002-9637.

Ohlasy:

1. [1.2] Klempa, B., Radosa, L., Kruger, D.H. The broad spectrum of hantaviruses and their hosts in Central Europe Acta Virologica Volume 57, Issue 2, 2013, Pages 130-137, SCOPUS
2. [1.2] Gozalan, A.a , Kalaycioglu, H.a, Uyar, Y.a, Sevindi, D.F.a, Turkyilmaz, B.b, Çakir, V.c, Cindemir, C.c, Unal, B.d, Yağcı-Çağlayık, D.a, Korukluoglu, G.a, Ertek, M.a, Heyman, P.e, Lundkvist, A. Human puumala and dobrava hantavirus infections in the black sea region of Turkey: A cross-sectional study Vector-Borne and Zoonotic Diseases Volume 13, Issue 2, 1 February 2013, Pages 111-118, SCOPUS
3. [1.2] Klempa, B.ab , Avsic-Zupanc, T.c, Clement, J.d, Dzagurova, T.K.e, Henttonen, H.f, Heyman, P.g, Jakab, F.hi, Kruger, D.H.a, Maes, P.d, Papa, A.j, Tkachenko, E.A.e, Ulrich, R.G.k, Vapalahti, O.l, Vaheri, A.l Complex evolution and epidemiology of Dobrava-Belgrade hantavirus: Definition of genotypes and their characteristics Archives of Virology Volume 158, Issue 3, 2013, Pages 521-529, SCOPUS

ADCA303 SILVERMAN, D.J. - SANTUCCI, L.A. - MEYERS, N. - SEKEYOVÁ, Zuzana. Penetration of host cells by Rickettsia rickettsii appears to be mediated by a phospholipase of Rickettsial origin. In *Infection and Immunity*, 1992, vol.60, no. 7, p. 2733-2740.

Ohlasy:

1. [1.1] Sahni, SK (Sahni, Sanjeev K.)[1,2] ; Narra, HP (Narra, Hema P.)[1,2] ; Sahni, A (Sahni, Abha)[1,2] ; Walker, DH (Walker, David H.) Recent molecular insights into rickettsial pathogenesis and immunity FUTURE MICROBIOLOGY Volume: 8 Issue: 10 Pages: 1265-1288, 2013, WOS
2. [1.1] Rahman, MS (Rahman, M. Sayeedur)[1] ; Gillespie, JJ (Gillespie, Joseph J.)[1,2] ; Kaur, SJ (Kaur, Simran Jeet)[1] ; Sears, KT (Sears, Khandra T.)[1] ; Ceraul, SM (Ceraul, Shane M.)[1] ; Beier-Sexton, M (Beier-Sexton, Magda)[1] ; Azad, AF (Azad, Abdu F.)[1] Rickettsia typhi Possesses Phospholipase A(2) Enzymes that Are Involved in Infection of Host Cells PLOS PATHOGENS Volume: 9 Issue: 6, 2013, WOS
3. [1.1] Szymanska-Czerwinska, M (Szymanska-Czerwinska, Monika)[1] ; Galinska, EM (Galinska, Elzbieta Monika)[2] ; Niemczuk, K (Niemczuk, Krzysztof)[1] ; Zasepa, M (Zasepa, Magdalena)[3] Prevalence of Coxiella burnetii infection in foresters and ticks in south-eastern Poland and comparison of diagnostic methods ANNALS OF AGRICULTURAL AND ENVIRONMENTAL MEDICINE Volume: 20 Issue: 4 Pages: 699-704, 2013, WOS

ADCA304 SIMI, L. - VENTURINI, G. - MALENTACCHI, F. - GELMINI, S. - ANDREANI, M. - JANNI, A. - PASTOREKOVÁ, Silvia - SUPURAN, C.T. - PAZZAGLI, M. - ORLANDO, C. Quantitative analysis of carbonic

anhydrase IX mRNA in human non-small cell lung cancer. In *Lung Cancer*, 2006, vol. 52, no. 1, p. 1 - 8. (3.356 - IF2005). (2006 - Current Contents). ISSN 0169-5002.

Ohlasy:

1. [1.1] Ilie, M (Ilie, Marius)[1,2,3] ; Hofman, V (Hofman, Veronique)[1,2,3,4] ; Zangari, J (Zangari, Josephine)[2,3] ; Chiche, J (Chiche, Johanna)[5] ; Mouroux, J (Mouroux, Jerome)[2,3,6] ; Mazure, NM (Mazure, Nathalie M.)[3,7] ; Pouyssegur, J (Pouyssegur, Jacques)[3,7] ; Brest, P (Brest, Patrick)[2,3] ; Hofman, P Response of CAIX and CAXII to in vitro re-oxygenation and clinical significance of the combined expression in NSCLC patients LUNG CANCER Volume: 82 Issue: 1 Pages: 16-23, 2013, WOS

ADCA305 SNYDER, A. - POLČICOVÁ, Katarína - JOHNSON, D. Herpes Simplex Virus gE/gI and US9 proteins promote transport of both capsids and virion glycoproteins in neuronal axons. In *Journal of Virology*, 2008, vol. 82, no. 21, p. 10613-10624. (5.332 - IF2007). (2008 - Current Contents). ISSN 0022-538X.

Ohlasy:

1. [1.2] Farooq, A.V.a, Shukla, D. Herpes Simplex Epithelial and Stromal Keratitis: An Epidemiologic Update Survey of Ophthalmology Volume 57, Issue 5, September 2012, Pages 448-462, SCOPUS
2. [1.1] Sari, T.K.a, Pritchard, S.M.a, Cunha, C.W.ab, Wudiri, G.A.ac, Laws, E.I.a, Aguilar, H.C.c, Taus, N.S.b, Nicola, A.V. Contributions of Herpes simplex virus 1 envelope proteins to entry by endocytosis Journal of Virology Volume 87, Issue 24, December 2013, Pages 13922-13926, WOS
3. [1.1] Christensen, J.a, Steain, M.a, Slobedman, B.ab, Abendroth, A. Varicella-zoster virus glycoprotein i is essential for spread in dorsal root ganglia and facilitates axonal localization of structural virion components in neuronal cultures Journal of Virology Volume 87, Issue 24, December 2013, Pages 13719-13728, WOS
4. [1.1] Kratchmarov, R.a, Kramer, T.ab, Greco, T.M.a, Taylor, M.P.a, Ch'ng, T.H.ac, Cristea, I.M.a, Enquist, L.W. Glycoproteins gE and gI are required for efficient KIF1A-dependent anterograde axonal transport of alphaherpesvirus particles in neurons Journal of Virology Volume 87, Issue 17, 2013, Pages 9431-9440, WOS
5. [1.1] Schiffer, J.T.ab , Corey, L. Rapid host immune response and viral dynamics in herpes simplex virus-2 infection Nature Medicine Volume 19, Issue 3, March 2013, Pages 280-290, WOS
6. [1.1] Kramer, T.ab , Enquist, L.W. Directional spread of alphaherpesviruses in the nervous system Viruses Volume 5, Issue 2, 11 February 2013, Pages 678-707, WOS
7. [1.1] Draper, J.M.a, Huang, G.a, Stephenson, G.S.a, Bertke, A.S.b, Cortez, D.A.a, LaVail, J.H. Delivery of herpes simplex virus to retinal ganglion cell axon is dependent on viral protein Us9 Investigative Ophthalmology and Visual Science Volume 54, Issue 2, February 2013, Pages 962-967, WOS
8. [1.1] Cunningham, A (Cunningham, Anthony)[1,2] ; Miranda-Saksena, M (Miranda-Saksena, Monica)[1,2] ; Diefenbach, R (Diefenbach, Russell)[1,2] ; Johnson, D Letter in response to: Making the case: Married versus Separate models of alphaherpes virus anterograde transport in axons REVIEWS IN MEDICAL VIROLOGY Volume: 23 Issue: 6 Pages: 414-418, 2013, WOS

ADCA306 SPARAGANO, O. - ŠPITÁLSKA, Eva - NAMAVARI, M. - TORINA, A. - CANNELLA, V. - CARACAPPA, S. Phylogenetics of Theileria species in Small Ruminants. In *Annals of the New York Academy of Sciences*. - New York : New York Academy of Sciences, 2006, vol. 1081, p. 505-508. (1.971 - IF2005). ISSN 0077-8923.

Ohlasy:

1. [1.2] Habibi, G. A comparative phylogenetic analysis of Theileria spp. by using two "18S ribosomal RNA" and "theileria annulata merozoite surface antigen" gene sequences Archives of Razi Institute Volume 68, Issue 1, 2013, Pages 47-52, SCOPUS

ADCA307 SPRONG, H. - TIJSSE-KLASSEN, E. - LANGELAAR, M. - DE BRUIN, A. - FONVILLE, M. - GASSNER, F. - TAKKEN, W. - VAN WIEREN, S. - NIJHOF, A. - JONGEJAN, F. - MAASSEN, C.B. - SCHOLTE, E.J. - HOVIUS, J.W. - EMIL HOVIUS, K. - ŠPITÁLSKA, Eva - VAN DUYNHOVEN, Y.T. Prevalence of Coxiella Burnetii in Ticks After a Large Outbreak of Q Fever. In *Zoonoses and public health*, 2012, vol. 59, no. 1, p. 69 - 75. (1.895 - IF2011). (2012 - Current Contents). ISSN 1863-1959.

Ohlasy:

1. [1.1] Roest, HJ (Roest, Hendrik I. J.)[1] ; Bossers, A (Bossers, Alex)[2] ; van Zijderveld, FG (van Zijderveld, Fred G.)[1] ; Rebel, JML Clinical microbiology of Coxiella burnetii and relevant aspects for the diagnosis and control of the zoonotic disease Q fever VETERINARY QUARTERLY Volume: 33 Issue: 3 Pages: 148-160, 2013, WOS
2. [1.1] Andoh, M (Andoh, Masako)[1,7] ; Andoh, R (Andoh, Ryoko)[2] ; Teramoto, K (Teramoto, Keiji)[3] ; Komiya, T (Komiya, Tomoyoshi)[4] ; Kaneshima, T (Kaneshima, Takashi)[5] ; Takano, A (Takano, Ai)[6] ; Hayashidani, H (Hayashidani, Hideki)[1] ; Ando, S Survey of Coxiella burnetii in Ticks Collected from Dogs in Japan JOURNAL OF VETERINARY MEDICAL SCIENCE Volume: 75 Issue: 8 Pages: 1115-1117, 2013, WOS
3. [1.1] [Anonymous] Coxiella burnetii - Causative Agent of Q (query)-Fever Statements of the Working Group on Blood of the Federal Ministry of Health BUNDESGESUNDHEITSBLATT-GESUNDHEITSFORSCHUNG-GESUNDHEITSSCHUTZ Volume: 56 Issue: 8 Pages: 1178-1190 Published: AUG 2013, WOS
4. [1.1] de Bruin, A (de Bruin, A.)[1] ; Janse, I (Janse, I.)[1] ; Koning, M (Koning, M.)[1] ; de Heer, L (de Heer, L.)[1] ; van der Plaats, RQJ (van der Plaats, R. Q. J.)[1] ; van Leuken, JPG (van Leuken, J. P. G.)[1] ; van Rotterdam, BJ Detection of Coxiella burnetii DNA in the environment during and after a large Q fever epidemic in the Netherlands JOURNAL OF APPLIED MICROBIOLOGY Volume: 114 Issue: 5 Pages: 1395-1404, 2013, WOS
5. [1.1] Bonnet, S (Bonnet, S.)[1] ; de la Fuente, J (de la Fuente, J.)[2,3] ; Nicollet, P (Nicollet, P.)[4] ; Liu, X (Liu, X.)[1] ; Madani, N (Madani, N.)[5] ; Blanchard, B (Blanchard, B.)[6] ; Maingourd, C (Maingourd, C.)[4] ; Alongi, A (Alongi, A.)[7] ; Torina, A (Torina, A.)[8] ; de Mera, IGF (Fernandez de Mera, I. G.)[2] ; Vicente, J (Vicente, J.)[2] ; George, JC (George, J. -C.)[9] ; Vayssier-Taussat, M (Vayssier-Taussat, M.)[1] ; Joncour, G Prevalence of Tick-Borne Pathogens in Adult Dermacentor spp. Ticks from Nine Collection Sites in France VECTOR-BORNE AND ZOONOTIC DISEASES Volume: 13 Issue: 4 Pages: 226-236, 2013, WOS
6. [1.1] Georgiev, M (Georgiev, M.)[1] ; Afonso, A (Afonso, A.)[2] ; Neubauer, H (Neubauer, H.)[3] ; Needham, H (Needham, Howard)[4] ; Thiery, R (Thiery, R.)[5] ; Rodolakis, A (Rodolakis, A.)[6] ; Roest, HJ (Roest, H. J.)[7,8] ; Stark, KD (Staerk, K. D.)[9] ; Stegeman, JA (Stegeman, J. A.)[10] ; Vellema, P (Vellema, P.)[11] ; van der Hoek, W (van der Hoek, W.)[12] ; More, SJ Q fever in humans and farm animals in four European countries, 1982 to 2010 EUROSURVEILLANCE Volume: 18 Issue: 8 Pages: 13-25, 2013, WOS
7. [1.1] Erster, O (Erster, O.)[1] ; Roth, A (Roth, A.)[1] ; Hadani, Y (Hadani, Y.)[2] ; Shkap, V First detection of Ixodes ricinus on beef cattle in Israel VETERINARY PARASITOLOGY Volume: 191 Issue: 3-4 Pages: 394-399, 2013, WOS
8. [1.1] Szymanska-Czerwinska, M (Szymanska-Czerwinska, Monika)[1] ; Galinska, EM (Galinska, Elzbieta Monika)[2] ; Niemczuk, K (Niemczuk, Krzysztof)[1] ; Zasepa, M Prevalence of Coxiella burnetii infection in foresters and ticks in south-eastern Poland and comparison of diagnostic methods ANNALS OF AGRICULTURAL AND ENVIRONMENTAL MEDICINE Volume: 20 Issue: 4 Pages: 699-704, 2013, WOS
9. [1.2] Ogo, N.I.abc , de Mera, I.G.F.b, Galindo, R.C.b, Okubanjo, O.O.c, Inuwa, H.M.d, Agbede, R.I.S.c, La Fuente, J.D. Genetic characterization of Coxiella burnetii in Amblyomma variegatum ticks from North-central Nigeria: Public health importance Veterinary World Volume 6, Issue 10, September 2013, Pages 818-822, SCOPUS
10. [1.2] Spotts Whitney, E.A., Massung, R.F., Kersh, G.J., Fitzpatrick, K.A., Mook, D.M., Taylor, D.K., Huerkamp, M.J., Vakili, J.C., Sullivan, P.J., Berkelman R.L. Survey of laboratory animal technicians in the United States for coxiella burnetii antibodies and exploration of risk factors for exposure (2013) Journal of the American Association for Laboratory Animal Science, 52 (6), pp. 725-731, 2013, SCOPUS

ADCA308 STANEKOVÁ, Zuzana - VAREČKOVÁ, Eva. Conserved epitopes of influenza A virus as candidates for preparation of universal vaccine. In *Virology Journal*, 2010, vol. 7, no. 1, p. 351. (2.435 - IF2009). (2010 - Current Contents). ISSN 1743-422X.

Ohlasy:

1. [1.1] Yusuf, M (Yusuf, Muhammad)[1] ; Konc, J (Konc, Janez)[2] ; Bing, CS (Bing, Choi Sy)[1] ; Konc, JT (Konc, Joanna Trykowska)[2] ; Khairudin, NBA (Khairudin, Nurul Bahiyah Ahmad)[3] ; Janezic, D (Janezic, Dusanka)[2,4] ; Wahab, HA Structurally Conserved Binding Sites of Hemagglutinin as Targets for Influenza Drug and Vaccine Development JOURNAL OF CHEMICAL INFORMATION AND MODELING Volume: 53 Issue: 9 Pages: 2423-2436, 2013, WOS
2. [1.1] Iwasaki, J (Iwasaki, Jua)[1,2] ; Smith, WA (Smith, Wendy-Anne)[1] ; Stone, SR (Stone, Shane R.)(1] ; Thomas, WR (Thomas, Wayne R.)(1] ; Hales, BJ Species-Specific and Cross-Reactive IgG1 Antibody Binding to Viral Capsid Protein 1 (VP1) Antigens of Human Rhinovirus Species A, B and C PLOS ONE Volume: 8 Issue: 8, Article Number: e70552, 2013, WOS
3. [1.1] Liu, J (Liu, Jun)[1,2] ; Wu, B (Wu, Bin)[3] ; Zhang, SH (Zhang, Shihong)[1,4] ; Tan, SG (Tan, Shuguang)[1,4] ; Sun, YP (Sun, Yeping)[1] ; Chen, ZJ (Chen, Zhujun)[1,5] ; Qin, YF (Qin, Yuanfang)[3] ; Sun, MW (Sun, Mingwei)[1,6] ; Shi, GL (Shi, Guoli)[1,4] ; Wu, Y (Wu, Ying)[1] ; Sun, MY (Sun, Meiyi)[7] ; Liu, N (Liu, Na)[8] ; Ning, KD (Ning, Kaida)[8] ; Ma, Y (Ma, Ying)[1] ; Gao, B (Gao, Bin)[1] ; Yan, JH (Yan, Jinghua)[1,4] ; Zhu, FC (Zhu, Fengcai)[3] ; Wang, H (Wang, Hua)[3] ; Gao, GF Conserved epitopes dominate cross-CD8(+) T-cell responses against influenza A H1N1 virus among Asian populations EUROPEAN JOURNAL OF IMMUNOLOGY Volume: 43 Issue: 8 Pages: 2055-2069, 2013, WOS
4. [1.1] Terajima, M (Terajima, Masanori)[1] ; Babon, JAB (Babon, Jenny Aurielle B.)(2] ; Co, MDT (Co, Mary Dawn T.)(1] ; Ennis, FA Cross-reactive human B cell and T cell epitopes between influenza A and B viruses VIROLOGY JOURNAL Volume: 10, Article Number: 244, 2013, WOS
5. [1.1] Choi, HJ (Choi, Hyo-Jick)[1] ; Ebersbacher, CF (Ebersbacher, Charles F.)(1] ; Kim, MC (Kim, Min-Chul)[2,3,4,5] ; Kang, SM (Kang, Sang-Moo)[2,3] ; Montemagno, CD A Mechanistic Study on the Destabilization of Whole Inactivated Influenza Virus Vaccine in Gastric Environment PLOS ONE Volume: 8 Issue: 6, Article Number: e66316, 2013, WOS
6. [1.1] Bragstad, K (Bragstad, Karoline)[1] ; Vinner, L (Vinner, Lasse)[1] ; Hansen, MS (Hansen, Mette Sif)[2] ; Nielsen, J (Nielsen, Jens)[2] ; Fomsgaard, A A polyvalent influenza A DNA vaccine induces heterologous immunity and protects pigs against pandemic A(H1N1)pdm09 virus infection VACCINE Volume: 31 Issue: 18 Pages: 2281-2288, 2013, WOS
7. [1.1] Lambe, T (Lambe, Teresa)[1] ; Carey, JB (Carey, John B.)(2,3] ; Li, YY (Li, Yuanyuan)[1] ; Spencer, AJ (Spencer, Alexandra J.)(1] ; van Laarhoven, A (van Laarhoven, Arjan)[1] ; Mullarkey, CE (Mullarkey, Caitlin E.)(1] ; Vrdoljak, A (Vrdoljak, Anto)[2,3] ; Moore, AC (Moore, Anne C.)(2,3] ; Gilbert, SC Immunity Against Heterosubtypic Influenza Virus Induced By Adenovirus And MVA Expressing Nucleoprotein And Matrix Protein-1 SCIENTIFIC REPORTS Volume: 3, Article Number: 1443, 2013, WOS
8. [1.1] Tutykhina, IL (Tutykhina, Irina L.)(1] ; Sedova, ES (Sedova, Elena S.)(1] ; Gribova, IY (Gribova, Irina Y.)(1] ; Ivanova, TI (Ivanova, Tatiana I.)(2] ; Vasilev, LA (Vasilev, Lev A.)(2] ; Rutovskaya, MV (Rutovskaya, Marina V.)(2] ; Lysenko, AA (Lysenko, Andrei A.)(1] ; Shmarov, MM (Shmarov, Maxim M.)(1] ; Logunov, DY (Logunov, Denis Y.)(1] ; Naroditsky, BS (Naroditsky, Boris S.)(1] ; Tillib, SV (Tillib, Sergei V.)(2] ; Gintsburg, AL Passive immunization with a recombinant adenovirus expressing an HA (H5)-specific single-domain antibody protects mice from lethal influenza infection ANTIVIRAL RESEARCH Volume: 97 Issue: 3 Pages: 318-328, 2013, WOS
9. [1.1] Inoue, Y (Inoue, Yuji)[1] ; Kubota-Koketsu, R (Kubota-Koketsu, Ritsuko)[1,3] ; Yamashita, A (Yamashita, Akifumi)[2] ; Nishimura, M (Nishimura, Mitsuhiro)[1] ; Ideno, S (Ideno, Shoji)[4] ; Ono, K (Ono, Ken-ichiro)[5] ; Okuno, Y (Okuno, Yoshinobu)[3] ; Ikuta, K Induction of Anti-influenza Immunity by Modified Green Fluorescent Protein (GFP) Carrying Hemagglutinin-derived Epitope Structure JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 288 Issue: 7 Pages: 4981-4990, 2013, WOS
10. [1.1] Hutter, J (Huetter, Julia)[2,3] ; Rodig, JV (Roedig, Jana V.)(1] ; Hoper, D (Hoeper, Dirk)[4] ; Seeberger, PH (Seeberger, Peter H.)(2,3] ; Reichl, U (Reichl, Udo)[1,5] ; Rapp, E (Rapp, Erdmann)[1] ; Lepenies, B Toward Animal Cell Culture-Based Influenza Vaccine Design: Viral Hemagglutinin N-Glycosylation Markedly Impacts Immunogenicity JOURNAL OF IMMUNOLOGY Volume: 190 Issue: 1 Pages: 220-230, 2013, WOS

ADCA309 STANEKOVÁ, Zuzana - MUCHA, Vojtech - SLÁDKOVÁ, Tatiana - BLÁŠKOVIČOVÁ, H. - KOSTOLANSKÝ, František - VAREČKOVÁ, Eva. Epitope specificity of anti-HA2 antibodies induced in humans during influenza infection. In *Influenza and Other Respiratory Viruses*, 2012, vol. 6, no. 6, p. 389 - 395. (4.157 - IF2011). (2012 - Current Contents). ISSN 1750-2640.

Ohlasy:

1. [1.1] Sangster, MY (Sangster, Mark Y.)[1] ; Baer, J (Baer, Jane)[1] ; Santiago, FW (Santiago, Felix W.)[1] ; Fitzgerald, T (Fitzgerald, Theresa)[2] ; Ilyushina, NA (Ilyushina, Natalia A.)[3] ; Sundararajan, A (Sundararajan, Aarthi)[1] ; Henn, AD (Henn, Alicia D.)[4,5] ; Krammer, F (Krammer, Florian)[6] ; Yang, HM (Yang, Hongmei)[7] ; Luke, CJ (Luke, Catherine J.)[8] ; Zand, MS (Zand, Martin S.)[4,5] ; Wright, PF (Wright, Peter F.)[3] ; Treanor, JJ (Treanor, John J.)[2] ; Topham, DJ (Topham, David J.)[1] ; Subbarao, K B Cell Response and Hemagglutinin Stalk-Reactive Antibody Production in Different Age Cohorts following 2009 H1N1 Influenza Virus Vaccination CLINICAL AND VACCINE IMMUNOLOGY Volume: 20 Issue: 6 Pages: 867-876, 2013, WOS
2. [1.1] He, XS (He, Xiao-Song)[1,4] ; Sasaki, S (Sasaki, Sanae)[2,4] ; Baer, J (Baer, Jane)[6] ; Khurana, S (Khurana, Surender)[8] ; Golding, H (Golding, Hana)[8] ; Treanor, JJ (Treanor, John J.)[7] ; Topham, DJ (Topham, David J.)[6] ; Sangster, MY (Sangster, Mark Y.)[6] ; Jin, H (Jin, Hong)[5] ; Dekker, CL (Dekker, Cornelia L.)[3] ; Subbarao, K (Subbarao, Kanta)[9] ; Greenberg, HB Heterovariant Cross-Reactive B-Cell Responses Induced by the 2009 Pandemic Influenza Virus A Subtype H1N1 Vaccine JOURNAL OF INFECTIOUS DISEASES Volume: 207 Issue: 2 Pages: 288-296, 2013, WOS

ADCA310 STANEKOVÁ, Zuzana - ADKINS, I. - KOSOVÁ, M. - JANULÍKOVÁ, Jana - SEBO, P. - VAREČKOVÁ, Eva. Heterosubtypic protection against influenza induced by adenylate cyclase toxoids delivering conserved HA2 subunit of hemagglutinin. In *Antiviral Research*, 2013, vol. 97, no. 1, p. 24 - 35,. (3.925 - IF2012). (2013 - Current Contents). ISSN 0166-3542.

Ohlasy:

1. [1.1] Cheng, P.-F. , Ma, L.-J., Wang, Y.-X., Yang, F.-R. Stability of influenza virus strain for production of cleavage vaccine during subculture ACTA VIROLOGICA Volume: 57 Issue: 2 Special Issue: SI Pages: 88-90 Published: 2013, WOS
2. [1.1] Lee, J.-S.a, Chowdhury, M.Y.E.a , Moon, H.-J.a, Choi, Y.-K.b, Talactac, M.R.a, Kim, J.-H.a, Park, M.-E.a, Son, H.-Y.a, Shin, K.-S.a, Kim, C.-J. The highly conserved HA2 protein of the influenza a virus induces a cross protective immune response Journal of Virological Methods Volume 194, Issue 1-2, December 2013, Pages 280-288, WOS
3. [1.1] Cheng Peng-fei (pfcheng@siobp.com) ; Liu Zhao-yang; Yan Xian-wei Gene characteristics and stability during subculture of major antigen of influenza vaccine strain H3N2 (NYMCX-223A) Chinese Journal of Biologicals Volume:27 Issue:2 Pages:151-155, 2013, WOS

ADCA311 SU, Y. - LOOS, M. - GIESE, N. - HINES, O.J. - DIEBOLD, I. - GORLACH, A. - METZEN, E. - PASTOREKOVÁ, Silvia - FRIESS, H. - BUCHLER, P. PHD3 regulates differentiation, tumor growth and angiogenesis in pancreatic cancer. In *British Journal of Cancer*, 2010, vol. 103, no. 10, p. 1571-1579. (4.346 - IF2009). (2010 - Current Contents). ISSN 1532-1827.

Ohlasy:

1. [1.1] Place, TL (Place, Trenton L.)[1,2] ; Nauseef, JT (Nauseef, Jones T.)[3] ; Peterson, MK (Peterson, Maina K.)[4] ; Henry, MD (Henry, Michael D.)[3] ; Mezhir, JJ (Mezhir, James J.)[5] ; Domann, FE Prolyl-4-Hydroxylase 3 (PHD3) Expression Is Downregulated during Epithelial-to-Mesenchymal Transition PLOS ONE Volume: 8 Issue: 12, Article Number: e83021, 2013, WOS
2. [1.1] Zhang, T (Zhang, Ting)[1] ; Niu, XH (Niu, Xiaohua)[2] ; Liao, LL (Liao, Lili)[2] ; Cho, EA (Cho, Eun-Ah)[3] ; Yang, HF The Contributions of HIF-Target Genes to Tumor Growth in RCC PLOS ONE Volume: 8 Issue: 11, Article Number: e80544, 2013, WOS
3. [1.1] Liu, QL (Liu, Qiu-long)[1] ; Liang, QL (Liang, Qi-lian)[1] ; Li, ZY (Li, Zhou-yu)[2] ; Zhou, Y (Zhou, Yuan)[1] ; Ou, WT (Ou, Wen-Ting)[1] ; Huang, ZG Function and expression of prolyl hydroxylase 3 in cancers ARCHIVES OF MEDICAL SCIENCE Volume: 9 Issue: 4 Pages: 589-593, 2013, WOS
4. [1.1] Fu, Jian; Taubman, Mark B. EGLN3 Inhibition of NF-kappa B Is Mediated by Prolyl

- Hydroxylase-Independent Inhibition of I kappa B Kinase gamma Ubiquitination MOLECULAR AND CELLULAR BIOLOGY Volume: 33 Issue: 15 Pages: 3050-3061 Published: AUG 2013, WOS
5. [1.1] Myllyharju, J. Prolyl 4-hydroxylases, master regulators of the hypoxia response ACTA PHYSIOLOGICA Volume: 208 Issue: 2 Pages: 148-165 Published: JUN 2013, WOS
6. [1.1] Fraisl, Peter Crosstalk between oxygen- and nitric oxide-dependent signaling pathways in angiogenesis EXPERIMENTAL CELL RESEARCH Volume: 319 Issue: 9 Special Issue: SI Pages: 1331-1339 Published: MAY 15 2013, WOS
7. [1.1] Iovanna, JL (Iovanna, Juan L.)[1] ; Marks, DL (Marks, David L.); Fernandez-Zapico, ME (Fernandez-Zapico, Martin E.); Urrutia, R Mechanistic Insights into Self-Reinforcing Processes Driving Abnormal Histogenesis During the Development of Pancreatic Cancer AMERICAN JOURNAL OF PATHOLOGY Volume: 182 Issue: 4 Pages: 1078-1086, 2013, WOS
8. [1.1] Jaakkola, Panu M.; Rantanen, Krista The regulation, localization, and functions of oxygen-sensing prolyl hydroxylase PHD3 BIOLOGICAL CHEMISTRY Volume: 394 Issue: 4 Pages: 449-457 Published: APR 2013, WOS
9. [1.1] Yoneyama, T (Yoneyama, Toshihiro)[1] ; Ohtsuki, S (Ohtsuki, Sumio)[1,3] ; Ono, M (Ono, Masaya)[2] ; Ohmine, K (Ohmine, Ken)[1] ; Uchida, Y (Uchida, Yasuo)[1] ; Yamada, T (Yamada, Tesshi)[2] ; Tachikawa, M (Tachikawa, Masanori)[1] ; Terasaki, T Quantitative Targeted Absolute Proteomics-Based Large-Scale Quantification of Proline-Hydroxylated alpha-Fibrinogen in Plasma for Pancreatic Cancer Diagnosis JOURNAL OF PROTEOME RESEARCH Volume: 12 Issue: 2 Pages: 753-762, 2013, WOS

ADCA312 SUBRAMANIAN, G. - SEKEYOVÁ, Zuzana - RAOULT, D. - MEDIANNIKOV, O. Multiple tick-associated bacteria in Ixodes ricinus from Slovakia. In *Ticks and Tick-Borne Diseases*, 2012, vol. 3, no. 5-6, p. 406 - 410. (2.370 - IF2011). (2012 - Current Contents). ISSN 1877-959X.

Ohlasy:

1. [1.1] Melnicakova, J (Melnicakova, Jana)[1] ; Derdakova, M (Derdakova, Marketa)[2,3] ; Barak, I (Barak, Imrich) A system to simultaneously detect tick-borne pathogens based on the variability of the 16S ribosomal genes PARASITES & VECTORS Volume: 6 Article Number: 269 Published: SEP 18 2013, WOS
2. [1.1] Ahantarig, A (Ahantarig, Arunee)[1,2] ; Trinachartvanit, W (Trinachartvanit, Wachareeporn)[1] ; Baimai, V (Baimai, Visut)[1,2] ; Grubhoffer, L Hard ticks and their bacterial endosymbionts (or would be pathogens) FOLIA MICROBIOLOGICA Volume: 58 Issue: 5 Pages: 419-428, 2013, WOS
3. [1.1] Hovius, JWR (Hovius, Joppe W. R.)[1] ; de Wever, B (de Wever, Bob)[2] ; Sohne, M (Sohne, Maaïke)[3] ; Brouwer, MC (Brouwer, Matthijs C.)[4] ; Coumou, J (Coumou, Jeroen)[5] ; Wagemakers, A (Wagemakers, Alex)[5] ; Oei, A (Oei, Anneke)[2] ; Knol, H (Knol, Henrike); Narasimhan, S (Narasimhan, Sukanya)[7] ; Hodiamont, CJ (Hodiamont, Caspar J.)[2] ; Jahfari, S (Jahfari, Setareh)[8] ; Pals, ST (Pals, Steven T.)[6] ; Horlings, HM (Horlings, Hugo M.)[6] ; Fikrig, E (Fikrig, Erol)[7] ; Sprong, H (Sprong, Hein)[8] ; van Oers, MHJ (van Oers, Marinus H. J.) A case of meningoencephalitis by the relapsing fever spirochaete Borrelia miyamotoi in Europe LANCET Volume: 382 Issue: 9892 Pages: 658-658 , 2013, WOS
4. [1.1] Stuen, S (Stuen, Snorre)[1] ; Granquist, EG (Granquist, Erik G.)[2] ; Silaghi, C (Silaghi, Cornelia)[3] Anaplasma phagocytophilum-a widespread multi-host pathogen with highly adaptive strategies FRONTIERS IN CELLULAR AND INFECTION MICROBIOLOGY Volume: 3 Article Number: UNSP 31 , Published: JUL 2013, WOS

ADCA313 SVETLÍKOVÁ, Darina - KABÁT, Peter - OHRAĐANOVIĆ, Anna - PASTOREK, Jaromír - BETÁKOVÁ, Tatiana. Influenza A virus replication is inhibited in IFN- β and IFN- γ transfected or stimulated cells. In *Antiviral Research*, 2010, vol. 88, no. 3, p. 329 - 333. (3.612 - IF2009). (2010 - Current Contents). ISSN 0166-3542.

Ohlasy:

1. [1.1] Kanda, T., Jiang, X., Nakamoto, S., Nakamura, M., Miyamura, T., Wu, S., Yokosuka, O. Different effects of three interferons α on Toll-like receptor-related gene expression in HepG2 cells Cytokine 64 (2) , pp. 577-583 , 2013, WOS

ADCA314 SVRAKA, S. - TOMAN, Rudolf - ŠKULTÉTY, Ľudovít - SLABÁ, Katarína - HOMAN, W.L. Establishment of a genotyping scheme for *Coxiella burnetii*. In *FEMS Microbiology Letters*, 2006, vol. 254, p. 268 - 274. (2.040 - IF2005). (2006 - Current Contents). ISSN 0378-1097.

Ohlasy:

1. [1.1] van Schaik, EJ (van Schaik, Erin J.)[1] ; Chen, C (Chen, Chen)[1] ; Mertens, K (Mertens, Katja)[1] ; Weber, MM (Weber, Mary M.)[1] ; Samuel, JE (Samuel, James E.)[1] Molecular pathogenesis of the obligate intracellular bacterium *Coxiella burnetii* NATURE REVIEWS MICROBIOLOGY Volume: 11 Issue: 8 Pages: 561-573 DOI: 10.1038/nrmicro3049 Published: AUG 2013, WOS
2. [1.1] Mori, M (Mori, Marcella)[1] ; Boarbi, S (Boarbi, Samira)[1] ; Michel, P (Michel, Patrick)[1] ; Bakinahe, R (Bakinahe, Raissa)[1] ; Rits, K (Rits, Katleen)[1] ; Wattiau, P (Wattiau, Pierre)[2] ; Fretin, D (Fretin, David)[1] In Vitro and In Vivo Infectious Potential of *Coxiella burnetii*: A Study on Belgian Livestock Isolates PLOS ONE Volume: 8 Issue: 6 Article Number: e67622 DOI: 10.1371/journal.pone.0067622 Published: JUN 28 2013, WOS
3. [1.1] Khan, I (Khan, I.)[1,2] ; Wieler, LH (Wieler, L. H.)[3] ; Melzer, F (Melzer, F.)[1] ; Elschner, MC (Elschner, M. C.)[1] ; Muhammad, G (Muhammad, G.)[4] ; Ali, S (Ali, S.)[1] ; Sprague, LD (Sprague, L. D.)[1] ; Neubauer, H (Neubauer, H.)[1] ; Saqib, M (Saqib, M.)[4] Glanders in Animals: A Review on Epidemiology, Clinical Presentation, Diagnosis and Countermeasures TRANSBOUNDARY AND EMERGING DISEASES Volume: 60 Issue: 3 Pages: 204-221 DOI: 10.1111/j.1865-1682.2012.01342.x Published: JUN 2013, WOS
4. [1.1] Bielawska-Drozd, A (Bielawska-Drozd, Agata)[1] ; Cieslik, P (Cieslik, Piotr)[1] ; Mirski, T (Mirski, Tomasz)[1] ; Bartoszcze, M (Bartoszcze, Michal)[1] ; Knap, JP (Knap, Jozef Piotr)[2] ; Gawel, J (Gawel, Jerzy)[1] ; Zakowska, D (Zakowska, Dorota)[1] Q fever - selected issues ANNALS OF AGRICULTURAL AND ENVIRONMENTAL MEDICINE Volume: 20 Issue: 2 Pages: 222-232 Published: 2013, WOS
5. [1.2] Roest, H.I.J., Bossers, A., van Zijderveld, F.G., Rebel, J.M.L. Clinical microbiology of *coxiella burnetii* and relevant aspects for the diagnosis and control of the zoonotic disease Q fever Veterinary Quarterly 33 (3) , pp. 148-160, 2013, SCOPUS
6. [1.1] Chmielewski, Tomasz; Tylewska-Wierzbanowska, Stanisława Q fever outbreaks in Poland during 2005-2011 MEDICAL SCIENCE MONITOR Volume: 19 Pages: 1073-1079 Published: NOV 28 2013, WOS

ADCA315 SWINSON, D.E. - JONES, J.L. - RICHARDSON, D. - WYKOFF, C. - TURLEY, H. - PASTOREK, Jaromír - TAUB, N. - HARRIS, A.L. - O BYRNE, K.J. Carbonic anhydrase IX expression, a novel surrogate marker of tumor hypoxia, is associated with a poor prognosis in non-small-cell lung cancer. In *Journal of Clinical Oncology*, 2003, vol. 21, p. 473-482. (8.773 - IF2002).

Ohlasy:

1. [1.1] Skrzypski, M (Skrzypski, Marcin)[1] ; Dziadziuszko, R (Dziadziuszko, Rafal)[1] ; Jassem, E (Jassem, Ewa)[2] ; Szymanowska-Narloch, A (Szymanowska-Narloch, Amelia)[2] ; Gulida, G (Gulida, Grazyna)[3] ; Rzepko, R (Rzepko, Robert)[3] ; Biernat, W (Biernat, Wojciech)[3] ; Taron, M (Taron, Miquel)[4] ; Jelitto-Gorska, M (Jelitto-Gorska, Malgorzata)[5] ; Marjanski, T (Marjanski, Tomasz)[5] ; Rzyman, W (Rzyman, Witold)[5] ; Rosell, R (Rosell, Rafael)[4] ; Jassem, J Main Histologic Types of Non-Small-Cell Lung Cancer Differ in Expression of Prognosis-related Genes CLINICAL LUNG CANCER Volume: 14 Issue: 6 Pages: 666, 2013, WOS
2. [1.1] Yoshimura, Kazuhiro; Uemura, Hirotugu Role of vaccine therapy for renal cell carcinoma in the era of targeted therapy INTERNATIONAL JOURNAL OF UROLOGY Volume: 20 Issue: 8 Pages: 744-755 Published: AUG 2013, WOS
3. [1.1] Zhang, BY (Zhang, Ben Y.)[1] ; Thompson, RH (Thompson, R. Houston)[2] ; Lohse, CM (Lohse, Christine M.)[3] ; Dronca, RS (Dronca, Roxana S.)[4] ; Cheville, JC (Cheville, John C.)[5] ; Kwon, ED (Kwon, Eugene D.)[2] ; Leibovich, BC Carbonic anhydrase IX (CAIX) is not an independent predictor of outcome in patients with clear cell renal cell carcinoma (ccRCC) after long-term follow-up BJU INTERNATIONAL Volume: 111 Issue: 7 Pages: 1046-1053, 2013, WOS
4. [1.1] Aggarwal, Mayank; Kondeti, Bhargav; McKenna, Robert Anticonvulsant/antiepileptic

carbonic anhydrase inhibitors: a patent review EXPERT OPINION ON THERAPEUTIC PATENTS

Volume: 23 Issue: 6 Pages: 717-724 Published: JUN 2013, WOS

5. [1.1] Wu, DL (Wu, Donglu)[1,2] ; Zhang, R (Zhang, Rui)[1,2] ; Zhao, R (Zhao, Rui)[1,2] ; Chen, G (Chen, Guang)[3] ; Cai, Y (Cai, Yong)[1,4] ; Jin, JJ A Novel Function of Novobiocin: Disrupting the Interaction of HIF 1 alpha and p300/CBP through Direct Binding to the HIF1 alpha C-Terminal Activation Domain PLOS ONE Volume: 8 Issue: 5, Article Number: e62014, 2013, WOS

6. [1.1] Ono, S (Ono, Shotaro)[1,2,3] ; Ishii, G (Ishii, Genichiro)[1] ; Nagai, K (Nagai, Kanji)[2] ; Takuwa, T (Takuwa, Teruhisa)[1,2] ; Yoshida, J (Yoshida, Junji)[2] ; Nishimura, M (Nishimura, Mitsuyo)[2] ; Hishida, T (Hishida, Tomoyuki)[2] ; Aokage, K (Aokage, Keiju)[2] ; Fujii, S (Fujii, Satoshi)[1] ; Ikeda, N (Ikeda, Norihiko)[3] ; Ochiai, A Podoplanin-Positive Cancer-Associated Fibroblasts Could Have Prognostic Value Independent of Cancer Cell Phenotype in Stage I Lung Squamous Cell Carcinoma Usefulness of Combining Analysis of Both Cancer Cell Phenotype and Cancer-Associated Fibroblast Phenotype CHEST Volume: 143 Issue: 4 Pages: 963-970, 2013, WOS

7. [1.1] Gieling, Roben G.; Williams, Kaye J. Carbonic anhydrase IX as a target for metastatic disease BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1470-1476 Published: MAR 15 2013, WOS

8. [1.1] Aggarwal, Mayank; Kondeti, Bhargav; McKenna, Robert Insights towards sulfonamide drug specificity in alpha-carbonic anhydrases BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1526-1533 Published: MAR 15 2013, WOS

9. [1.1] Wang, Y (Wang, Yong)[1,2] ; Zhang, R (Zhang, Rui)[3,4] ; Wu, DL (Wu, Donglu)[3,4] ; Lu, ZH (Lu, Zhihua)[1] ; Sun, WT (Sun, Wentao)[1] ; Cai, Y (Cai, Yong)[3] ; Wang, CX (Wang, Chunxi)[1] ; Jin, JJ Epigenetic change in kidney tumor: downregulation of histone acetyltransferase MYST1 in human renal cell carcinoma JOURNAL OF EXPERIMENTAL & CLINICAL CANCER RESEARCH Volume: 32, Article Number: 8, 2013, WOS

10. [1.1] Ma, L (Ma, Li)[1] ; Tao, YZ (Tao, Yongzhen)[1] ; Duran, A (Duran, Angeles)[1] ; Llado, V (Llado, Victoria)[1] ; Galvez, A (Galvez, Anita)[2] ; Barger, JF (Barger, Jennifer F.)[2] ; Castilla, EA (Castilla, Elias A.)[2] ; Chen, J (Chen, Jing)[2] ; Yajima, T (Yajima, Tomoko)[1] ; Porollo, A (Porollo, Aleksey)[2] ; Medvedovic, M (Medvedovic, Mario)[2] ; Brill, LM (Brill, Laurence M.)[1] ; Plas, DR (Plas, David R.)[2] ; Riedl, SJ (Riedl, Stefan J.)[1] ; Leitges, M (Leitges, Michael)[3] ; Diaz-Meco, MT (Diaz-Meco, Maria T.)[1] ; Richardson, AD (Richardson, Adam D.)[1] ; Moscat, J Control of Nutrient Stress-Induced Metabolic Reprogramming by PKC zeta in Tumorigenesis CELL, Volume: 152 Issue: 3 Pages: 599-611, 2013, WOS

11. [1.2] Shareef, M.M.ab , Udayakumar, T.S.ab, Sinha, V.K.abc, Saleem, S.M.d, Griggs, W.W. Interaction of HIF-1 α and Notch3 Is Required for the Expression of Carbonic Anhydrase 9 in Breast Carcinoma Cells Genes and Cancer Volume 4, Issue 11-12, November 2013, Pages 513-523, SCOPUS

12. [1.2] Huang, M.-Y.abc, Wang, J.-Y.bde , Lin, S.-R. CA9 and CHRN1 were correlated with perineural invasion in Taiwanese colorectal cancer patients Biomarkers and Genomic Medicine Volume 5, Issue 3, September 2013, Pages 84-86, SCOPUS

ADCA316 ŠEPELÁKOVÁ, Jana - TAKÁČOVÁ, Martina - PASTOREKOVÁ, Silvia - KOPÁČEK, Juraj.

Involvement of upstream stimulatory factor in regulation of the mouse Prnd gene coding for Doppel protein. In *Biochimica et Biophysica Acta : molecular Basis of Disease*, 2005, vol. 1731, no. 3, p. 209 - 214. (3.046 - IF2004). (2005 - Current Contents). ISSN 0925-4439.

Ohlasy:

1. [1.1] Qin, KF (Qin, Kefeng)[1,2,3] ; Ding, TB (Ding, Tianbing)[2] ; Xiao, Y (Xiao, Yi)[2] ; Ma, WY (Ma, Wenyu)[2] ; Wang, Z (Wang, Zhen)[1] ; Gao, JM (Gao, Jimin)[1] ; Zhao, LL Differential Responses of Neuronal and Spermatogenic Cells to the Doppel Cytotoxicity PLOS ONE Volume: 8 Issue: 12, Article Number: e82130, 2013, WOS

ADCA317 ŠIMÚTH, Jozef - BÍLIKOVÁ, Katarína - KOVÁČOVÁ, Elena - KUZMOVÁ, Z. - SCHRODER, W.

Immunochemical Approach to Detection of Adulteration in Honey: Physiologically Active Royal Jelly Protein Stimulating TNF-alpha Release is a Regular Component of Honey. In *Journal of agricultural and food chemistry*, 2004, vol. 52, p. 2154-2158. ISSN 0021-8561.

Ohlasy:

1. [1.1] Chua, LS (Chua, Lee Suan)[1] ; Lee, JY (Lee, Jun You)[1] ; Chan, GF Honey protein extraction and determination by mass spectrometry ANALYTICAL AND BIOANALYTICAL CHEMISTRY Volume: 405 Issue: 10 Pages: 3063-3074, 2013, WOS
2. [3] Puchades, Rosa; Maquieira, Angel ELISA Tools for Food PDO Authentication Book Author(s): DeLaGuardia, M; Gonzalez, A FOOD PROTECTED DESIGNATION OF ORIGIN: METHODOLOGIES AND APPLICATIONS, VOL 60 Book Series: Wilson and Wilsons Comprehensive Analytical Chemistry Volume: 60 Pages: 145-193 Published: 2013
3. [1.1] Ahmed, Sarfraz; Othman, Nor Hayati Honey as a Potential Natural Anticancer Agent: A Review of Its Mechanisms EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE Article Number: 829070 Published: 2013, WOS
4. [1.1] Oršolić, N. Royal jelly: Component efficiency, analysis, and standardisation (Review) Arhiv za Higijenu Rada i Toksikologiju Volume 64, Issue 3, 2013, Pages 445-461, WOS

ADCA318 ŠIROKÝ, Pavel - KUBELOVÁ, Michaela - MODRÝ, David - ERHART, Jan - LITERÁK, I. - ŠPITÁLSKA, Eva - KOCIANOVÁ, Elena. Tortoise tick Hyalomma aegyptium as long term carrier of Q fever agent Coxiella burnetii - evidence from experimental infection. In *Parasitology Research*, 2010, vol. 107, no. 6, p. 1515 - 1520. (1.721 - IF2009). (2010 - Current Contents). ISSN 0932-0113.

Ohlasy:

1. [1.1] Baldacchino, F (Baldacchino, Frederic)[1] ; Muenworn, V (Muenworn, Vithee)[2] ; Desquesnes, M (Desquesnes, Marc)[3,4] ; Desoli, F (Desoli, Florian)[1] ; Charoenviriyaphap, T (Charoenviriyaphap, Theeraphap)[2] ; Duvallet, G (Duvallet, Gerard)[1,2] Transmission of pathogens by Stomoxys flies (Diptera, Muscidae) PARASITE , Volume: 20 , Article Number: 26 , 2013, WOS

ADCA319 ŠKULTÉTY, Ľudovít - HERNYCHOVÁ, L. - TOMAN, Rudolf - HUBÁLEK, M. - SLABÁ, Katarína - ZECHOVSKA, Jana - LENCO, J. - STULIK, J. - MACELA, A. Coxiella burnetii whole cell lysate protein identification by mass spectrometry and tandem mass spectrometry. In *Annals of the New York Academy of Sciences*, 2005, vol. 1063, p. 115-122. (1.789 - IF2004). ISSN 0077-8923.

Ohlasy:

1. [1.1] Vranakis, I (Vranakis, Iosif)[1] ; Papadioti, A (Papadioti, Anastasia)[2] ; Tselentis, Y (Tselentis, Yannis)[1] ; Psaroulaki, A (Psaroulaki, Anna)[1,3] ; Tsiotis, G (Tsiotis, Georgios)[2] The contribution of proteomics towards deciphering the enigma of Coxiella burnetii PROTEOMICS CLINICAL APPLICATIONS Volume: 7 Issue: 1-2 Pages: 193-204 Special Issue: SI, 2013, WOS

ADCA320 ŠKULTÉTY, Ľudovít - JANKOVIČOVÁ, B. - SVOBODOVÁ, Z. - MADER, Pavel - REZACOVÁ, P. - DUBROVČÁKOVÁ, Mária - LAKOTA, J. - BILKOVÁ, Z. Identification of carbonic anhydrase I immunodominant epitopes recognized by specific autoantibodies which indicate an improved prognosis in patients with malignancy after autologous stem cell transplantation. In *Journal of Proteome Research*, 2010, vol. 9, p. 5171-5179. (5.132 - IF2009). (2010 - Current Contents). ISSN 1535-3893.

Ohlasy:

1. [1.1] Al-Majdoub, M., Koy, C., Lorenz, P., Thiesen, H.-J., Glocker, M.O. Mass spectrometric and peptide chip characterization of an assembled epitope: Analysis of a polyclonal antibody model serum directed against the Sjögren/systemic lupus erythematosus autoantigen TRIM21 Journal of Mass Spectrometry 48 (6) , pp. 651-659 , 2013, SCOPUS

ADCA321 ŠKULTÉTY, Ľudovít - HAJDUCH, Martin - FLORES - RAMÍREZ, Gabriela - MIERNYK, J.A. - ČIAMPOR, Fedor - TOMAN, Rudolf - SEKEYOVÁ, Zuzana. Proteomic comparison of virulent phase I and avirulent phase II of Coxiella burnetii , the causative agent of Q fever. In *Journal of Proteomics*, 2011, vol. 74, no. 10, p. 1974 - 1984. (5.074 - IF2010). (2011 - Current Contents). ISSN 1874-3919.

Ohlasy:

1. [1.1] Vranakis, I (Vranakis, Iosif)[1] ; Papadioti, A (Papadioti, Anastasia)[2] ; Tselentis, Y (Tselentis, Yannis)[1] ; Psaroulaki, A (Psaroulaki, Anna)[1,3] ; Tsiotis, G (Tsiotis, Georgios)[2] The contribution of proteomics towards deciphering the enigma of Coxiella burnetii PROTEOMICS

CLINICAL APPLICATIONS Volume: 7 Issue: 1-2 Special Issue: SI Pages: 193-204 DOI: 10.1002/prca.201200096 Published: JAN 2013, WOS

ADCA322 ŠPITÁLSKA, Eva - KOCIANOVÁ, Elena. Detection of *Coxiella burnetii* in ticks collected in Slovakia and Hungary. In *European Journal of Epidemiology*, 2003, vol. 18, p. 263-266. (0.517 - IF2002). (2003 - Current Contents).

Ohlasy:

1. [1.1] Andoh, M (Andoh, Masako)[1,7] ; Andoh, R (Andoh, Ryoko)[2] ; Teramoto, K (Teramoto, Keiji)[3] ; Komiya, T (Komiya, Tomoyoshi)[4] ; Kaneshima, T (Kaneshima, Takashi)[5] ; Takano, A (Takano, Ai)[6] ; Hayashidani, H (Hayashidani, Hideki)[1] ; Ando, S (Ando, Shuji)[7] Survey of *Coxiella burnetii* in Ticks Collected from Dogs in Japan JOURNAL OF VETERINARY MEDICAL SCIENCE Volume: 75 Issue: 8 Pages: 1115-1117, 2013, WOS
2. [1.1] Duscher, GG (Duscher, Georg G.)[1] ; Feiler, A (Feiler, Andrea)[1,2] ; Leschnik, M (Leschnik, Michael)[2] ; Joachim, A (Joachim, Anja)[1] Seasonal and spatial distribution of ixodid tick species feeding on naturally infested dogs from Eastern Austria and the influence of acaricides/repellents on these parameters PARASITES & VECTORS Volume: 6 , Article Number: 76, 2013, WOS
3. [1.1] Reye, AL (Reye, Anna L.)[1] ; Stegny, V (Stegny, Valentina)[2] ; Mishaeva, NP (Mishaeva, Nina P.)[2] ; Velhin, S (Velhin, Sviataslau)[2] ; Hubschen, JM (Hubschen, Judith M.)[1] ; Ignatyev, G (Ignatyev, George)[2] ; Muller, CP (Muller, Claude P.)[1] Prevalence of Tick-Borne Pathogens in *Ixodes ricinus* and *Dermacentor reticulatus* Ticks from Different Geographical Locations in Belarus PLOS ONE Volume: 8 Issue: 1, Article Number: e54476, 2013, WOS
4. [1.1] Szymanska-Czerwinska, M (Szymanska-Czerwinska, Monika)[1] ; Galinska, EM (Galinska, Elzbieta Monika)[2] ; Niemczuk, K (Niemczuk, Krzysztof)[1] ; Zasepa, M (Zasepa, Magdalena) Prevalence of *Coxiella burnetii* infection in foresters and ticks in south-eastern Poland and comparison of diagnostic methods ANNALS OF AGRICULTURAL AND ENVIRONMENTAL MEDICINE Volume: 20 Issue: 4 Pages: 699-704, 2013, WOS
5. [1.1] Buczek, A (Buczek, Alicja)[1] ; Bartosik, K (Bartosik, Katarzyna)[1] ; Wisniowski, L (Wisniowski, Lukasz)[1] ; Tomasiewicz, K (Tomasiewicz, Krzysztof)[2] Changes in population abundance of adult *Dermacentor reticulatus* (Acari: Amblyommidae) in long-term investigations in eastern Poland ANNALS OF AGRICULTURAL AND ENVIRONMENTAL MEDICINE Volume: 20 Issue: 2 Pages: 269-272, 2013, WOS
6. [1.2] Altay Çapın, G. , Emre, Z., Canpolat, S., Vatansever, Y., Düzgün, A. Detection of *Coxiella burnetii* from ticks by polymerase chain reaction and restriction fragment length polymorphism Ankara Universitesi Veteriner Fakultesi Dergisi Volume 60, Issue 4, 2013, Pages 263-268, SCOPUS

ADCA323 ŠPITÁLSKA, Eva - TORINA, A. - CANNELLA, V. - CARACAPPA, S. - SPARAGANO, O.A.E. Discrimination between *Theileria lestoquardi* and *Theileria annulata* in their vectors and hosts by RFLP based on the 18S rRNA gene. In *Parasitology Research*, 2004, vol. 94, no. 4, p. 318 - 320. (1.000 - IF2003). (2004 - Current Contents). ISSN 0932-0113.

Ohlasy:

1. [1.1] Razmi, Gholamreza; Yaghfoori, Saeed Molecular surveillance of *Theileria ovis*, *Theileria lestoquardi* and *Theileria annulata* infection in sheep and ixodid ticks in Iran ONDERSTEEPOORT JOURNAL OF VETERINARY RESEARCH Volume: 80 Issue: 1 Article Number: 635 Published: OCT 2 2013, WOS

ADCA324 ŠPITÁLSKA, Eva - NAMAVARI, M.M. - HOSSEINI, M.H. - SHAD-DEL, F. - AMRABADI, O.R. - SPARAGANO, O. Molecular surveillance of tick-borne diseases in Iranian small ruminants. In *Small Ruminant Research : the journal of the International Goat Association*, 2005, vol. 57, p. 245-248. (0.606 - IF2004). ISSN 0921-4488.

Ohlasy:

1. [1.2] Yaghfoori, S.a, Razmi, G.a , Heidarpour, M. Molecular detection of *Theileria* spp in sheep and vector ticks in Fasa and Kazeroun areas, Fars Province, Iran Archives of Razi Institute Volume 68, Issue 2, November 2013, Pages 159-164, SCOPUS

2. [1.1] Jalali, S.M.ab , Khaki, Z.c, Kazemi, B.d, Bandehpour, M.d, Rahbari, S.e, Razi Jalali, M.b, Yasini, S.P. Molecular detection and identification of Anaplasma species in sheep from Ahvaz, Iran Iranian Journal of Veterinary Research Volume 14, Issue 1, 2013, Pages 50-56, WOS
3. [1.1] Razmi, G. , Pourhosseini, M., Yaghfour, S., Rashidi, A., Seidabadi, M. Molecular detection of Theileria spp. and Babesia spp. in sheep and ixodid ticks from the northeast of Iran Journal of Parasitology Volume 99, Issue 1, February 2013, Pages 77-81, WOS
4. [1.1] Rashidi, Ahmad; Razmi, Gholamreza Molecular detection of Theileria spp. in sheep and vector ticks in the North Khorasan Province, Iran TROPICAL ANIMAL HEALTH AND PRODUCTION Volume: 45 Issue: 1 Pages: 299-303 Published: JAN 2013, WOS
5. [1.1] Razmi, Gholamreza; Yaghfoori, Saeed Molecular surveillance of Theileria ovis, Theileria lestoquardi and Theileria annulata infection in sheep and ixodid ticks in Iran ONDERSTEEPOORT JOURNAL OF VETERINARY RESEARCH Volume: 80 Issue: 1 Article Number: 635 Published: OCT 2 2013, WOS

ADCA325 ŠPITÁLSKA, Eva - ŠTEFANIDESOVÁ, Katarína - KOCIANOVÁ, Elena - BOLDIŠ, Vojtech. Rickettsia slovaca and Rickettsia raoultii in Dermacentor marginatus and Dermacentor reticulatus ticks from Slovak Republic. In *Experimental and Applied Acarology*, 2012, vol. 57, p. 189 - 197. (1.725 - IF2011). (2012 - Current Contents). ISSN 0168-8162.

Ohlasy:

1. [1.1] Foissac, M.; Socolovschi, C.; Raoult, D. Update on SENLAT syndrome: Scalp eschar and neck lymph adenopathy after a tick bite VENEREOLOGIE Volume: 140 Issue: 10 Pages: 598-609 Published: OCT 2013, WOS
2. [1.1] Parola, P (Parola, Philippe)[1] ; Paddock, CD (Paddock, Christopher D.)[2] ; Socolovschi, C (Socolovschi, Cristina)[1] ; Labruna, MB (Labruna, Marcelo B.)[3] ; Mediannikov, O (Mediannikov, Oleg)[1] ; Kernif, T (Kernif, Tahar)[4] ; Abdad, MY (Abdad, Mohammad Yazid)[5] ; Stenos, J (Stenos, John)[5] ; Bitam, I (Bitam, Idir)[6] ; Fournier, PE (Fournier, Pierre-Edouard)[1] ; Raoult, D Update on Tick-Borne Rickettsioses around the World: a Geographic Approach CLINICAL MICROBIOLOGY REVIEWS Volume: 26 Issue: 4 Pages: 657-702 Published: OCT 2013, WOS
3. [1.1] Liu, LM (Liu, Limeng)[1] ; Li, LX (Li, Lingxia)[1] ; Liu, JN (Liu, Jiannan)[1] ; Hu, YH (Hu, Yonghong)[1] ; Liu, Z (Liu, Zhao)[1] ; Guo, LD (Guo, Lida); Liu, JZ (Liu, Jingze)[1] Coinfection of Dermacentor silvarum Olenov (Acari: Ixodidae) by Coxiella-Like, Arsenophonus-Like, and Rickettsia-Like Symbionts APPLIED AND ENVIRONMENTAL MICROBIOLOGY Volume: 79 Issue: 7 Pages: 2450-2454, 2013, WOS
4. [1.1] Reye, AL (Reye, Anna L.)[1] ; Stegny, V (Stegny, Valentina)[2] ; Mishaeva, NP (Mishaeva, Nina P.)[2] ; Velhin, S (Velhin, Sviataslau)[2] ; Hubschen, JM (Hubschen, Judith M.)[1] ; Ignatyev, G (Ignatyev, George)[2] ; Muller, CP (Muller, Claude P.)[1] Prevalence of Tick-Borne Pathogens in Ixodes ricinus and Dermacentor reticulatus Ticks from Different Geographical Locations in Belarus PLOS ONE Volume: 8 Issue: 1, Article Number: e54476, 2013, WOS

ADCA326 ŠPITÁLSKA, Eva - SPARAGANO, O. - BOLDIŠ, Vojtech. Static and dynamic systems in Rickettsia slovaca life cycle evaluated by quantitative real-time polymerase chain reaction. In *Transboundary and Emerging Diseases*, 2010, vol. 57, no. 1-2, p. 70-71. (1.854 - IF2009). (2010 - Current Contents). ISSN 1865-1674.

Ohlasy:

1. [1.1] Buczek, Alicja; Bartosik, Katarzyna; Kuczyński, Paweł Evaluation of the effect of various concentrations of selected pyrethroids on the development of Dermacentor reticulatus eggs and larvae ANNALS OF AGRICULTURAL AND ENVIRONMENTAL MEDICINE Volume: 20 Issue: 3 Pages: 447-451 Published: 2013, WOS

ADCA327 ŠPITÁLSKA, Eva - LITERÁK, I. - KOCIANOVÁ, Elena - RUSŇÁKOVÁ - TARAGEL'OVÁ, Veronika. The importance of Ixodes arboricola in Transmission of Rickettsia spp. Anaplasma phagocytophilum, and Borrelia burgdorferi Ssensu Lato in the Czech Republic Central Europe. In *Vector-Borne and Zoonotic Diseases*, 2011, vol. 11, no. 9, p. 1235 - 1241. (2.733 - IF2010). (2011 - Current Contents). ISSN 1530-3667.

Ohlasy:

1. [1.1] Parola, P (Parola, Philippe)[1] ; Paddock, CD (Paddock, Christopher D.)[2] ; Socolovschi, C (Socolovschi, Cristina)[1] ; Labruna, MB (Labruna, Marcelo B.)[3] ; Mediannikov, O (Mediannikov, Oleg)[1] ; Kernif, T (Kernif, Tahar)[4] ; Abdad, MY (Abdad, Mohammad Yazid)[5] ; Stenos, J (Stenos, John)[5] ; Bitam, I (Bitam, Idir)[6] ; Fournier, PE (Fournier, Pierre-Edouard)[1] ; Raoult, D
Update on Tick-Borne Rickettsioses around the World: a Geographic Approach CLINICAL MICROBIOLOGY REVIEWS Volume: 26 Issue: 4 Pages: 657-702, 2013, WOS
2. [1.1] Heylen, D (Heylen, Dieter)[1] ; Tijssse, E (Tijssse, Ellen)[2] ; Fonville, M (Fonville, Manoj)[2] ; Matthysen, E (Matthysen, Erik)[1] ; Sprong, H (Sprong, Hein) Transmission dynamics of *Borrelia burgdorferi* s.l. in a bird tick community ENVIRONMENTAL MICROBIOLOGY Volume: 15 Issue: 2 Pages: 663-673 Special Issue: SI , 2013, WOS
3. [1.1] Obsomer, V (Obsomer, Valerie)[1,2] ; Wirtgen, M (Wirtgen, Marc)[3] ; Linden, A (Linden, Annick)[3] ; Claerebout, E (Claerebout, Edwin)[4] ; Heyman, P (Heyman, Paul)[5] ; Heylen, D (Heylen, Dieter)[6] ; Madder, M (Madder, Maxime)[7,8] ; Maris, J (Maris, Jo)[9] ; Lebrun, M (Lebrun, Maude)[10] ; Tack, W (Tack, Wesley)[11] ; Lempereur, L (Lempereur, Laetitia)[12] ; Hance, T (Hance, Thierry)[2] ; Van Impe, G (Van Impe, Georges) Spatial disaggregation of tick occurrence and ecology at a local scale as a preliminary step for spatial surveillance of tick-borne diseases: general framework and health implications in Belgium PARASITES & VECTORS Volume: 6 , Article Number: 190, 2013, WOS
4. [1.1] van Houtte, N.a, van Oosten, A.R.a, Jordaens, K.ab, Matthysen, E.a, Backeljau, T.ac, Heylen, D.J.A. Isolation and characterization of ten polymorphic microsatellite loci in *Ixodes arboricola*, and cross-amplification in three other *Ixodes* species Experimental and Applied Acarology Volume 61, Issue 3, November 2013, Pages 327-336, WOS

ADCA328 ŠPITÁLSKA, Eva - LITERÁK, I. - SPARAGANO, O.A.E. - GOLOVCHENKO, M. - KOCIANOVÁ, Elena. Ticks (Ixodidae) from Passerine bird in the Carpathian region (Bukovské vrchy Hills, Slovakia). In *Wiener klinische Wochenschrift : the middle european journal of medicine*, 2006, vol. 118, no. 23 - 24, p. 759 - 764. (0.747 - IF2005). (2006 - Current Contents). ISSN 0043-5325.

Ohlasy:

1. [1.1] Pangracova, L (Pangracova, Lucia)[1] ; Derdakova, M (Derdakova, Marketa)[1,2] ; Pekarik, L (Pekarik, Ladislav)[2] ; Hviscova, I (Hviscova, Ivana)[1] ; Vichova, B (Vichova, Bronislava)[1] ; Stanko, M (Stanko, Michal)[1,2] ; Hlavata, H (Hlavata, Helena)[3] ; Pet'ko, B (Pet'ko, Branislav) Ixodes ricinus abundance and its infection with the tick-borne pathogens in urban and suburban areas of Eastern Slovakia PARASITES & VECTORS Volume: 6, Article Number: 238, 2013, WOS
2. [1.1] Movila, A (Movila, A.)[1,2] ; Alekseev, AN (Alekseev, A. N.)(1] ; Dubinina, HV (Dubinina, H. V.)(1] ; Toderas, I (Toderas, I.) Detection of tick-borne pathogens in ticks from migratory birds in the Baltic region of Russia MEDICAL AND VETERINARY ENTOMOLOGY Volume: 27 Issue: 1 Pages: 113-117, 2013, WOS

ADCA329 SMETANOVÁ, Katarína - SCHWARZOVÁ, Katarína - KOCIANOVÁ, Elena. Detection of *Anaplasma phagocytophilum*, *Coxiella burnetii*, *Rickettsia* spp. and *Borrelia burgdorferi* s.l. in ticks and Wild - Living Animals in Western and Middle Slovakia. In *Annals of the New York Academy of Sciences*, 2006, vol. 1078, p. 312-315. (1.971 - IF2005). ISSN 0077-8923.

Ohlasy:

1. [1.1] Stuen, Snorre; Granquist, Erik G.; Silaghi, Cornelia Anaplasma phagocytophilum-a widespread multi-host pathogen with highly adaptive strategies FRONTIERS IN CELLULAR AND INFECTION MICROBIOLOGY Volume: 3 Article Number: UNSP 31 Published: JUL 2013, WOS
2. [1.1] Reye, AL (Reye, Anna L.)[1] ; Stegny, V (Stegny, Valentina)[2] ; Mishaeva, NP (Mishaeva, Nina P.)[2] ; Velhin, S (Velhin, Sviataslau)[2] ; Hubschen, JM (Huebschen, Judith M.)[1] ; Ignatyev, G (Ignatyev, George)[2] ; Muller, CP (Muller, Claude P.)[1] Prevalence of Tick-Borne Pathogens in Ixodes ricinus and Dermacentor reticulatus Ticks from Different Geographical Locations in Belarus PLOS ONE Volume: 8 Issue: 1, Article Number: e54476, 2013, WOS
3. [1.1] Szymanska-Czerwinska, M (Szymanska-Czerwinska, Monika)[1] ; Galinska, EM (Galinska, Elzbieta Monika)[2] ; Niemczuk, K (Niemczuk, Krzysztof)[1] ; Zasepa, M (Zasepa, Magdalena)

Prevalence of *Coxiella burnetii* infection in foresters and ticks in south-eastern Poland and comparison of diagnostic methods ANNALS OF AGRICULTURAL AND ENVIRONMENTAL MEDICINE
Volume: 20 Issue: 4 Pages: 699-704 , 2013, WOS

ADCA330 ŠTEFANIDESOVÁ, Katarína - KOCIANOVÁ, Elena - BOLDIŠ, Vojtech - KOSTANOVÁ, Zina - KANKA, P. - NÉMETHOVÁ, D. - ŠPITÁLSKA, Eva. Evidence of *Anaplasma phagocytophilum* and *Rickettsia helvetica* infection in free-ranging ungulates in central Slovakia. In *European Journal of Wildlife Research*, 2008, vol. 54, no., p. 519 - 524. (0.979 - IF2007). (2008 - Current Contents). ISSN 1612-4642.

Ohlasy:

1. [1.1] Cobadiova, A (Cobadiova, Andrea)[1] ; Reiterova, K (Reiterova, Katarina)[1] ; Derdakova, M (Derdakova, Marketa)[1,3] ; Spilovska, S (Spilovska, Silvia)[1] ; Turcekova, L (Turcekova, L'udmila)[1] ; Hviscova, I (Hviscova, Ivana)[1] ; Hisira, V *Toxoplasma gondii*, *Neospora caninum* and tick-transmitted bacterium *Anaplasma phagocytophilum* infections in one selected goat farm in Slovakia ACTA PARASITOLOGICA Volume: 58 Issue: 4 Pages: 541-546, 2013, WOS
2. [1.1] Stuen, Snorre; Granquist, Erik G.; Silaghi, Cornelia *naplasma phagocytophilum*-a widespread multi-host pathogen with highly adaptive strategies FRONTIERS IN CELLULAR AND INFECTION MICROBIOLOGY Volume: 3 Article Number: UNSP 31 Published: JUL 2013, WOS
3. [1.1] Milner, Jos M.; van Beest, Floris M. Ecological correlates of a tick-borne disease, *Anaplasma phagocytophilum*, in moose in southern Norway EUROPEAN JOURNAL OF WILDLIFE RESEARCH Volume: 59 Issue: 3 Pages: 399-406 Published: JUN 2013, WOS
4. [1.1] Welc-Faleciak, R (Welc-Faleciak, Renata)[1] ; Werszko, J (Werszko, Joanna)[2] ; Cydzik, K (Cydzik, Krystian)[3] ; Bajer, A (Bajer, Anna)[1] ; Michalik, J (Michalik, Jerzy)[4] ; Behnke, JM (Behnke, Jerzy M.)[5] Co-Infection and Genetic Diversity of Tick-Borne Pathogens in Roe Deer from Poland VECTOR-BORNE AND ZOONOTIC DISEASES Volume: 13 Issue: 5 Pages: 277-288, 2013, WOS
5. [1.1] Overzier, E (Overzier, Evelyn)[1] ; Pfister, K (Pfister, Kurt)[1] ; Herb, I (Herb, Ingrid)[2] ; Mahling, M (Mahling, Monia)[2] ; Bock, G (Boeck, Georg, Jr.)(1] ; Silaghi, C Detection of tick-borne pathogens in roe deer (*Capreolus capreolus*), in questing ticks (*Ixodes ricinus*), and in ticks infesting roe deer in southern Germany TICKS AND TICK-BORNE DISEASES Volume: 4 Issue: 4 Pages: 320-328, 2013, WOS

ADCA331 VANČOVÁ, Iveta - HAJNICKÁ, Valéria - SLOVÁK, Mirko - NUTTALL, Patricia A. Anti - chemokine activities of ixodid ticks depend on tick species, developmental stage, and duration of feeding. In *Veterinary parasitology*, 2010, vol. 167, no. 2-4, p. 274-278. (2.278 - IF2009). (2010 - Current Contents). ISSN 0304-4017.

Ohlasy:

1. [1.1] Wikel, Stephen Ticks and tick-borne pathogens at the cutaneous interface: host defenses, tick countermeasures, and a suitable environment for pathogen establishment FRONTIERS IN MICROBIOLOGY Volume: 4 Article Number: 337 Published: NOV 19 2013, WOS
2. [1.1] Rodriguez-Valle, M (Rodriguez-Valle, Manuel)[1,2] ; Moolhuijzen, P (Moolhuijzen, Paula)[1,3] ; Piper, EK (Piper, Emily K.)(1,4] ; Weiss, O (Weiss, Olivia)[1] ; Vance, M (Vance, Megan)[1] ; Bellgard, M (Bellgard, Matthew)[1,3] ; Lew-Tabor, A (Lew-Tabor, Ala) *Rhipicephalus microplus* lipocalins (LRMs): Genomic identification and analysis of the bovine immune response using in silico predicted B and T cell epitopes INTERNATIONAL JOURNAL FOR PARASITOLOGY Volume: 43 Issue: 9 Pages: 739-752 , 2013, WOS
3. [1.1] Mulenga, A.; Kim, T.; Ibelli, A. M. G. *Amblyomma americanum* tick saliva serine protease inhibitor 6 is a cross-class inhibitor of serine proteases and papain-like cysteine proteases that delays plasma clotting and inhibits platelet aggregation INSECT MOLECULAR BIOLOGY Volume: 22 Issue: 3 Pages: 306-319 Published: JUN 2013, WOS

ADCA332 VANČOVÁ, Iveta - SLOVÁK, Mirko - HAJNICKÁ, Valéria - LABUDA, Milan - ŠIMO, Ladislav - PETERKOVÁ, Kamila - HAILS, R.S. - NUTTALL, Patricia A. Differential anti-chemokine activity of *Amblyomma variegatum* adult ticks during blood-feeding. In *Parasite immunology*. - Oxford : Blackwell Science, 2007, vol. 29, no. 4, p. 169-177. (2.009 - IF2006). (2007 - Current Contents). ISSN 0141-9838.

Ohlasy:

1. [1.1] Wikel, Stephen Ticks and tick-borne pathogens at the cutaneous interface: host defenses, tick countermeasures, and a suitable environment for pathogen establishment FRONTIERS IN MICROBIOLOGY Volume: 4 Article Number: 337 Published: NOV 19 2013, WOS
2. [1.1] Poole, NM (Poole, Nina M.)[1,3] ; Mamidanna, G (Mamidanna, Gayatri)[1] ; Smith, RA (Smith, Richard A.)[2] ; Coons, LB (Coons, Lewis B.)[1] ; Cole, JA (Cole, Judith A.)[1] Prostaglandin E-2 in tick saliva regulates macrophage cell migration and cytokine profile PARASITES & VECTORS Volume: 6 Article Number: 261, 2013, WOS
3. [1.2] Villarreal, A.M.a, Adamson, S.W.a, Browning, R.E.a, Budachetri, K.a, Sajid, M.S.ab, Karim, S. Molecular characterization and functional significance of the Vti family of SNARE proteins in tick salivary glands Molecular characterization and functional significance of the Vti family of SNARE proteins in tick salivary glands Volume 43, Issue 5, May 2013, Pages 483-493, SCOPUS
4. [1.2] Poole, N.M. , Nyindodo-Ogari, L., Kramer, C., Coons, L.B., Cole, J.A Effects of tick saliva on the migratory and invasive activity of Saos-2 osteosarcoma and MDA-MB-231 breast cancer cells Ticks and Tick-borne Diseases Volume 4, Issue 1-2, February 2013, Pages 120-127, SCOPUS

ADCA333 VANČOVÁ, Iveta - HAJNICKÁ, Valéria - SLOVÁK, Mirko - KOCÁKOVÁ, Pavlína - PAESEN, G.C. - NUTTALL, Patricia A. Evasin-3-like anti-chemokine activity in salivary gland extracts of Ixodid ticks during blood-feedin : a new target for tick control. In *Parasite immunology*, 2010, vol. 32, no. 6, p. 460-463. (2.014 - IF2009). (2010 - Current Contents). ISSN 0141-9838.

Ohlasy:

1. [1.1] Poole, NM (Poole, Nina M.)[1,3] ; Mamidanna, G (Mamidanna, Gayatri)[1] ; Smith, RA (Smith, Richard A.)[2] ; Coons, LB (Coons, Lewis B.)[1] ; Cole, JA (Cole, Judith A.) Prostaglandin E-2 in tick saliva regulates macrophage cell migration and cytokine profile PARASITES & VECTORS Volume: 6 Article Number: 261, 2013, WOS
2. [1.1] Poole, NM (Poole, Nina M.)[1] ; Nyindodo-Ogari, L (Nyindodo-Ogari, Lilian)[1] ; Kramer, C (Kramer, Carolyn)[1] ; Coons, LB (Coons, Lewis B.)[1] ; Cole, JA (Cole, Judith A.)[1] Effects of tick saliva on the migratory and invasive activity of Saos-2 osteosarcoma and MDA-MB-231 breast cancer cells TICKS AND TICK-BORNE DISEASES Volume: 4 Issue: 1-2 Pages: 120-127, 2013, WOS

ADCA334 VANČOVÁ, Iveta - LA BONNARDIERE, C. - KONTSEK, Peter. Vaccinia virus protein B18R inhibits the activity and cellular binding of the novel type interferon-delta. In *Journal of General Virology*, 1998, vol. 79, no. 7, p. 1647 - 1649. (2.863 - IF1997). (1998 - Current Contents). ISSN 0022-1317.

Ohlasy:

1. [1.1] Le Boeuf, F (Le Boeuf, Fabrice)[1,2] ; Batenchuk, C (Batenchuk, Cory)[1,3,4] ; Vaha-Koskela, M (Vaehae-Koskela, Markus)[1,2] ; Breton, S (Breton, Sophie)[1,2] ; Roy, D (Roy, Dominic)[1,2] ; Lemay, C (Lemay, Chantal)[1,2] ; Cox, J (Cox, Julie)[1,2] ; Abdelbary, H (Abdelbary, Hesham)[1,2] ; Falls, T (Falls, Theresa)[1,2] ; Waghray, G (Waghray, Girija)[1,2] ; Atkins, H (Atkins, Harold)[1,2] ; Stojdl, D (Stojdl, David)[5] ; Diallo, JS (Diallo, Jean-Simon)[1,2] ; Kaern, M (Kaern, Mads)[4,6,7] ; Bell, JC (Bell, John C.)[1,2,3] Model-based rational design of an oncolytic virus with improved therapeutic potential NATURE COMMUNICATIONS Volume: 4 Article Number: 1974, 2013, WOS

ADCA335 ŠUBR, Zdeno W. - KASTIRR, U. - KUHNE, T. Subtractive cloning of DNA from Polymyxa graminis-an obligate parasitic plasmodiophorid. In *Journal of Phytopathology : Phytopathologische Zeitschrift*. - Blackwell Wissenschafts-Verlag, : Berlin, 2002, vol. 150, no., p. 564-568. (2002 - Current Contents). ISSN 0931-1785.

Ohlasy:

1. [1.1] Smith, Madeleine J.; Adams, Michael J.; Ward, Elaine Ribosomal DNA analyses reveal greater sequence variation in Polymyxa species than previously thought and indicate the possibility of new ribotype-host-virus associations ENVIRONMENTAL MICROBIOLOGY REPORTS Volume: 5 Issue: 1 Special Issue: SI Pages: 143-150 Published: FEB 2013, WOS

ADCA336 ŠVASTOVÁ, Eliška - WITARSKI, Wojciech - CSÁDEROVÁ, Lucia - KOŠÍK, Ivan - ŠKVARKOVÁ, Lucia - HULÍKOVÁ, Alžbeta - ZAŤOVIČOVÁ, Miriam - BARÁTHOVÁ, Monika - KOPÁČEK, Juraj - PASTOREK, Jaromír - PASTOREKOVÁ, Silvia. Carbonic anhydrase IX interacts with bicarbonate transporters in lamellipodia and increases cell migration via its catalytic domain. In *Journal of Biological Chemistry*, 2012, vol. 287, no. 5, p. 3392 - 3402. (4.773 - IF2011). (2012 - Current Contents). ISSN 0021-9258. Dostupné na internete: <<http://www.jbc.org/cgi/doi/10.1074/jbc.M111.286062>>.

Ohlasy:

1. [1.1] Wang, T (Wang, Ting)[1] ; Zhao, L (Zhao, Lei)[1] ; Yang, Y (Yang, Ye)[2] ; Tian, H (Tian, Hua)[1] ; Suo, WH (Suo, Wen-Hao)[1] ; Yan, M (Yan, Min)[3] ; Fu, GH (Fu, Guo-Hui)[1] EGR1 is critical for gastrin-dependent upregulation of anion exchanger 2 in gastric cancer cells FEBS JOURNAL Volume: 280 Issue: 1 Pages: 174-183, 2013, WOS
2. [1.1] Muller, WEG (Mueller, Werner E. G.)(1] ; Schroder, HC (Schroeder, Heinz C.)(1] ; Schlossmacher, U (Schlossmacher, Ute)[1] ; Grebenjuk, VA (Grebenjuk, Vlad A.)(1] ; Ushijima, H (Ushijima, Hiroshi)[2] ; Wang, XH Induction of carbonic anhydrase in SaOS-2 cells, exposed to bicarbonate and consequences for calcium phosphate crystal formation BIOMATERIALS Volume: 34 Issue: 34 Pages: 8671-8680 , 2013, WOS
3. [1.1] Parks, SK (Parks, Scott K.)(1] ; Chiche, J (Chiche, Johanna)[2] ; Pouyssegur, J Disrupting proton dynamics and energy metabolism for cancer therapy NATURE REVIEWS CANCER Volume: 13 Issue: 9 Pages: 611-623, 2013, WOS
4. [1.1] Fiaschi, T (Fiaschi, Tania)[1,2,3] ; Giannoni, E (Giannoni, Elisa)[1,2,3] ; Taddei, ML (Taddei, Maria Letizia)[1,2,3] ; Cirri, P (Cirri, Paolo)[1,2,3] ; Marini, A (Marini, Alberto)[4] ; Pintus, G (Pintus, Gianfranco)[4] ; Nativi, C (Nativi, Cristina)[5] ; Richichi, B (Richichi, Barbara)[5] ; Scozzafava, A (Scozzafava, Andrea)[5] ; Carta, F (Carta, Fabrizio)[6] ; Torre, E (Torre, Eugenio)[1,2,3] ; Supuran, CT (Supuran, Claudiu T.)(6] ; Chiarugi, P Carbonic anhydrase IX from cancer-associated fibroblasts drives epithelial-mesenchymal transition in prostate carcinoma cells CELL CYCLE Volume: 12 Issue: 11 Pages: 1791-1801, 2013, WOS
5. [1.1] Parker, Mark D.; Boron, Walter F. THE DIVERGENCE, ACTIONS, ROLES, AND RELATIVES OF SODIUM-COUPLED BICARBONATE TRANSPORTERS PHYSIOLOGICAL REVIEWS Volume: 93 Issue: 2 Pages: 803-959 Published: APR 2013, WOS
6. [1.1] Gieling, Roben G.; Williams, Kaye J. Carbonic anhydrase IX as a target for metastatic disease BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1470-1476 Published: MAR 15 2013, WOS
7. [1.1] Papi, A (Papi, Alessio)[1] ; Storci, G (Storci, Gianluca)[2,3] ; Guarnieri, T (Guarnieri, Tiziana)[1,3,4] ; De Carolis, S (De Carolis, Sabrina)[2] ; Bertoni, S (Bertoni, Sara)[3] ; Avenia, N (Avenia, Nicola)[5] ; Sanguinetti, A (Sanguinetti, Alessandro)[5] ; Sidoni, A (Sidoni, Angelo)[6] ; Santini, D (Santini, Donatella)[7] ; Ceccarelli, C (Ceccarelli, Claudio)[1] ; Taffurelli, M (Taffurelli, Mario)[8] ; Orlandi, M (Orlandi, Marina)[1] ; Bonafe, M Peroxisome Proliferator Activated Receptor-alpha/Hypoxia Inducible Factor-1 alpha Interplay Sustains Carbonic Anhydrase IX and Apolipoprotein E Expression in Breast Cancer Stem Cells PLOS ONE Volume: 8 Issue: 1, 2013, WOS
8. [1.1] Mimeault, Murielle; Batra, Surinder K. Hypoxia-inducing factors as master regulators of stemness properties and altered metabolism of cancer- and metastasis-initiating cells JOURNAL OF CELLULAR AND MOLECULAR MEDICINE Volume: 17 Issue: 1 Pages: 30-54 Published: JAN 2013, WOS
9. [1.2] Bevensee, M.O.a, Boron, W.F. Control of Intracellular pH Seldin and Geibisch's The Kidney Volume 2, 2013, Pages 1773-1835, SCOPUS

ADCA337 ŠVASTOVÁ, Eliška - ŽILKA, Norbert - ZAŤOVIČOVÁ, Miriam - GIBADULINOVÁ, Adriana - ČIAMPOR, Fedor - PASTOREK, Jaromír - PASTOREKOVÁ, Silvia. Carbonic anhydrase IX reduces E-cadherin-mediated adhesion of MDCK cells via interaction with beta-catenin. In *Experimental Cell Research*, 2003, vol. 290, p. 332-345. (4.712 - IF2002).

Ohlasy:

1. [1.1] Bose, P (Bose, Pinaki)[1] ; Brockton, NT (Brockton, Nigel T.)(2] ; Dort, JC Head and neck cancer: from anatomy to biology INTERNATIONAL JOURNAL OF CANCER Volume: 133 Issue: 9 Pages: 2013-2023 ,2013, WOS

2. [1.1] Lock, FE (Lock, F. E.)([1] ; McDonald, PC (McDonald, P. C.)([1] ; Lou, Y (Lou, Y.)([1] ; Serrano, I (Serrano, I.)([1] ; Chafe, SC (Chafe, S. C.)([1] ; Ostlund, C (Ostlund, C.)([1] ; Aparicio, S (Aparicio, S.)([2] ; Winum, JY (Winum, J-Y)([3] ; Supuran, CT (Supuran, C. T.)([4] ; Dedhar, S Targeting carbonic anhydrase IX depletes breast cancer stem cells within the hypoxic niche ONCOGENE Volume: 32 Issue: 44 Pages: 5210-5219, 2013, WOS
3. [1.1] Fiaschi, T (Fiaschi, Tania)([1,2,3] ; Giannoni, E (Giannoni, Elisa)([1,2,3] ; Taddei, ML (Taddei, Maria Letizia)([1,2,3] ; Cirri, P (Cirri, Paolo)([1,2,3] ; Marini, A (Marini, Alberto)([4] ; Pintus, G (Pintus, Gianfranco)([4] ; Nativi, C (Nativi, Cristina)([5] ; Richichi, B (Richichi, Barbara)([5] ; Scozzafava, A (Scozzafava, Andrea)([5] ; Carta, F (Carta, Fabrizio)([6] ; Torre, E (Torre, Eugenio)([1,2,3] ; Supuran, CT (Supuran, Claudiu T.)([6] ; Chiarugi, P Carbonic anhydrase IX from cancer-associated fibroblasts drives epithelial-mesenchymal transition in prostate carcinoma cells CELL CYCLE Volume: 12 Issue: 11 Pages: 1791-1801, 2013, WOS
4. [1.1] Monti, SM (Monti, Simona Maria)([1] ; Supuran, CT (Supuran, Claudiu T.)([2] ; De Simone, G Anticancer carbonic anhydrase inhibitors: a patent review (2008-2013) EXPERT OPINION ON THERAPEUTIC PATENTS Volume: 23 Issue: 6 Pages: 737-749, 2013, WOS
5. [1.1] Rogez-Florent, T (Rogez-Florent, Tiphaine)([1,2,3] ; Meignan, S (Meignan, Samuel)([1,4] ; Foulon, C (Foulon, Catherine)([1,3] ; Six, P (Six, Perrine)([1,2] ; Gros, A (Gros, Abigaelle)([1,4] ; Bal-Mahieu, C (Bal-Mahieu, Christine)([1,4] ; Supuran, CT (Supuran, Claudiu T.)([5] ; Scozzafava, A (Scozzafava, Andrea)([5] ; Frederick, R (Frederick, Raphael)([6] ; Masereel, B (Masereel, Bernard)([6] ; Depreux, P (Depreux, Patrick)([1,2] ; Lansiaux, A (Lansiaux, Amelie)([1,4] ; Goossens, JF (Goossens, Jean-Francois)([1,3] ; Gluszk, S (Gluszk, Sebastien)([1,2] ; Goossens, L New selective carbonic anhydrase IX inhibitors: Synthesis and pharmacological evaluation of diarylpyrazole-benzenesulfonamides BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1451-1464, 2013, WOS
6. [1.1] Gieling, Roben G.; Williams, Kaye J. Carbonic anhydrase IX as a target for metastatic disease BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1470-1476 Published: MAR 15 2013, WOS
7. [1.1] Maruyama, T (Maruyama, Toshifumi)([1,2] ; Miyamoto, Y (Miyamoto, Yoichi)([1] ; Yamamoto, G (Yamamoto, Gou)([3] ; Yamada, A (Yamada, Atsushi)([1] ; Yoshimura, K (Yoshimura, Kentaro)([1] ; Suzawa, T (Suzawa, Tetsuo)([1] ; Takami, M (Takami, Masamichi)([1] ; Akiyama, T (Akiyama, Tomohito)([1,2] ; Hoshino, M (Hoshino, Marie)([1,2] ; Iwasa, F (Iwasa, Fuminori)([2] ; Ikumi, N (Ikumi, Noriharu)([1] ; Tachikawa, T (Tachikawa, Tetsuhiko)([3] ; Mishima, K (Mishima, Kenji)([3] ; Baba, K (Baba, Kazuyoshi)([2] ; Kamijo, R Downregulation of Carbonic Anhydrase IX Promotes Col10a1 Expression in Chondrocytes PLOS ONE Volume: 8 Issue: 2, 2013, WOS
8. [1.1] Robey, Ian F.; Nesbit, Lance A. Investigating Mechanisms of Alkalinization for Reducing Primary Breast Tumor Invasion BIOMED RESEARCH INTERNATIONAL Article Number: 485196 Published: 2013, WOS
9. [1.2] Doyen, J.ab, Parks, S.K.a, Marcié, S.b, Pouyssegur, J.ac, Chiche, J. Knock-down of hypoxia-induced carbonic anhydrases IX and XII radiosensitizes tumor cells by increasing intracellular acidosis Frontiers in Oncology Volume 2 JAN, 2013, Article number Article 00199, SCOPUS

ADCA338 ŠVASTOVÁ, Eliška - HULÍKOVÁ, Alžbeta - RAFAJOVÁ, Monika - ZAŤOVIČOVÁ, Miriam - GIBADULINOVÁ, Adriana - CASINI, A. - CECCHI, A. - SCOZZAFAVA, Andrea - SUPURAN, C.T. - PASTOREK, Jaromír - PASTOREKOVÁ, Silvia. Hypoxia activates the capacity of tumor -associated carbonic anhydrase IX to acidify extracellular pH. In *FEBS Letters : Federation of European Biochemical Societies Letters for the Rapid Publication of Short Reports in Biochemistry, Biophysics and Molecular Biology.* - Amsterdam : Elsevier Science Publishers, 2004, vol. 577, no. 3, p. 439-445. (3.609 - IF2003). ISSN 0014-5793.

Ohlasy:

1. [1.1] Kawai, Y (Kawai, Yoshiko)([1] ; Kaidoh, M (Kaidoh, Maki)([1] ; Yokoyama, Y (Yokoyama, Yumiko)([1] ; Ohhashi, T Cell surface F-1/F-o ATP synthase contributes to interstitial flow-mediated development of the acidic microenvironment in tumor tissues AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY Volume: 305 Issue: 11 Pages: C1139-C1150, 2013, WOS
2. [1.1] Larkin, Spencer; Kyprianou, Natasha Molecular Signatures in Urologic Tumors INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES Volume: 14 Issue: 9 Pages: 18421-18436

Published: SEP 2013, WOS

3. [1.1] Parks, Scott K.; Chiche, Johanna; Pouyssegur, Jacques Disrupting proton dynamics and energy metabolism for cancer therapy NATURE REVIEWS CANCER Volume: 13 Issue: 9 Pages: 611-623 Published: SEP 2013, WOS
4. [1.1] Wang, ZC (Wang, Zhong-Chang)[1] ; Qin, YJ (Qin, Ya-Juan)[1] ; Wang, PF (Wang, Peng-Fei)[1] ; Yang, YA (Yang, Yong-An)[1] ; Wen, Q (Wen, Qing)[1] ; Zhang, X (Zhang, Xin)[1] ; Qiu, HY (Qiu, Han-Yue)[1] ; Duan, YT (Duan, Yong-Tao)[1] ; Wang, YT (Wang, Yan-Ting)[1] ; Sang, YL (Sang, Ya-Li)[1] ; Zhu, HL Sulfonamides containing coumarin moieties selectively and potently inhibit carbonic anhydrases II and IX: Design, synthesis, inhibitory activity and 3D-QSAR analysis EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY Volume: 66 Pages: 1-11 , 2013, WOS
5. [1.1] Suthar, SK (Suthar, Sharad Kumar)[1] ; Bansal, S (Bansal, Sumit)[1] ; Lohan, S (Lohan, Sandeep)[1] ; Modak, V (Modak, Vikarm)[2] ; Chaudhary, A (Chaudhary, Anil)[3] ; Tiwari, A Design and synthesis of novel 4-(4-oxo-2-arylthiazolidin-3-yl) benzenesulfonamides as selective inhibitors of carbonic anhydrase IX over I and II with potential anticancer activity EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY Volume: 66 Pages: 372-379, 2013, WOS
6. [1.1] Guo Yingjun; Qu Xun cid-sensing ion channels under hypoxia CHANNELS Volume: 7 Issue: 4 Pages: 231-237 Published: JUL 1 2013, WOS
7. [1.1] Wang, LY (Wang, Liyan)[1] ; Yang, CM (Yang, Chunmei)[1] ; Lu, WQ (Lu, Weiqiang)[1] ; Liu, L (Liu, Li)[1] ; Gao, R (Gao, Rui)[1] ; Liao, S (Liao, Sha)[1] ; Zhao, ZJ (Zhao, Zhenjiang)[1] ; Zhu, LL (Zhu, Lili)[1] ; Xu, YF (Xu, Yufang)[1] ; Li, HL (Li, Honglin)[1] ; Huang, J (Huang, Jin)[1] ; Zhu, WP Discovery of new potent inhibitors for carbonic anhydrase IX by structure-based virtual screening BIOORGANIC & MEDICINAL CHEMISTRY LETTERS Volume: 23 Issue: 12 Pages: 3496-3499, 2013, WOS
8. [1.1] Gary-Bobo, M (Gary-Bobo, M.)[1,4] ; Vaillant, O (Vaillant, O.)[1] ; Maynadier, M (Maynadier, M.)[1] ; Basile, I (Basile, I.)[1] ; Gallud, A (Gallud, A.)[1] ; El Cheikh, K (El Cheikh, K.)[1] ; Bouffard, E (Bouffard, E.)[1] ; Morere, A (Morere, A.)[1,4] ; Rebillard, X (Rebillard, X.)[1,2] ; Puche, P (Puche, P.)[1,3] ; Nirde, P (Nirde, P.)[1] ; Garcia, M Targeting Multiplicity: The Key Factor for Anti-Cancer Nanoparticles CURRENT MEDICINAL CHEMISTRY Volume: 20 Issue: 15 Pages: 1946-1955, 2013, WOS
9. [1.1] Sun, WQ (Sun Wei-Qi)[1] ; Zhang, JL (Zhang Ji-Long)[2] ; Zheng, QC (Zheng Qing-Chuan)[2] ; Sun, ZW (Sun Zhi-Wei)[1,3] ; Zhang, HX Molecular Dynamics Simulations of the Unbinding of Phenylsulfonamide from Carbonic Anhydrase II ACTA PHYSICO-CHIMICA SINICA Volume: 29 Issue: 4 Pages: 843-848, 2013, WOS
10. [1.1] Wrann, S (Wrann, Simon)[1,2] ; Kaufmann, MR (Kaufmann, Muriel R.)[1,2] ; Wirthner, R (Wirthner, Renato)[1,2] ; Stiehl, DP (Stiehl, Daniel P.)[1,2] ; Wenger, RH HIF mediated and DNA damage independent histone H2AX phosphorylation in chronic hypoxia IOLOGICAL CHEMISTRY Volume: 394 Issue: 4 Pages: 519-528, 2013, WOS
11. [1.1] Gieling, RG (Gieling, Roben G.)[1] ; Parker, CA (Parker, Catriona A.)[2] ; De Costa, LA (De Costa, Lisa A.)[2] ; Robertson, N (Robertson, Naomi)[3] ; Harris, AL (Harris, Adrian L.)[3] ; Stratford, IJ (Stratford, Ian J.)[2] ; Williams, KJ Inhibition of carbonic anhydrase activity modifies the toxicity of doxorubicin and melphalan in tumour cells in vitro JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY Volume: 28 Issue: 2 Pages: 360-369, 2013, WOS
12. [1.1] Aggarwal, Mayank; Kondeti, Bhargav; McKenna, Robert Insights towards sulfonamide drug specificity in alpha-carbonic anhydrases BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1526-1533 Published: MAR 15 2013, WOS
13. [1.1] Dolan, C (Dolan, Ciaran)[1] ; Moriarty, RD (Moriarty, Roisin D.)[1] ; Lestini, E (Lestini, Elena)[1] ; Devocelle, M (Devocelle, Marc)[2] ; Forster, RJ (Forster, Robert J.)[1] ; Keyes, TE Cell uptake and cytotoxicity of a novel cyclometalated iridium(III) complex and its octaarginine peptide conjugate JOURNAL OF INORGANIC BIOCHEMISTRY Volume: 119 Pages: 65-74, 2013, WOS
14. [3] Said, Harun M. Determination Human Brain Tumor Marker Gene Carbonic Anhydrase 9 (CA9) Gene Expression in Different type of Brain Tumor Cells Book Group Author(s): IEEE Conference: ICME International Conference on Complex Medical Engineering (CME) Location: Beijing, PEOPLES R CHINA Date: MAY 25-28, 2013 2013 ICME INTERNATIONAL CONFERENCE ON COMPLEX MEDICAL ENGINEERING (CME) Pages: 403-407 Published: 2013

15. [1.1] Navratilova, J (Navratilova, Jarmila)[1] ; Hankeova, T (Hankeova, Tereza)[1] ; Benes, P (Benes, Petr)[1,2] ; Smarda, J Acidic pH of Tumor Microenvironment Enhances Cytotoxicity of the Disulfiram/Cu²⁺ Complex to Breast and Colon Cancer Cells CHEMOTHERAPY Volume: 59 Issue: 2 Pages: 112-120, 2013, WOS
16. [1.1] Tian, Y (Tian, Ye)[1,2,3] ; Glogowska, A (Glogowska, Aleksandra)[4] ; Zhong, W (Zhong, Wen)[5,6] ; Klonisch, T (Klonisch, Thomas)[2,4,6,7] ; Xing, M Polymeric mesoporous silica nanoparticles as a pH-responsive switch to control doxorubicin intracellular delivery JOURNAL OF MATERIALS CHEMISTRY B Volume: 1 Issue: 39 Pages: 5264-5272, 2013, WOS
17. [1.2] Doyen, J.ab, Parks, S.K.a, Marcié, S.b, Pouysségur, J.ac, Chiche, J. Knock-down of hypoxia-induced carbonic anhydrases IX and XII radiosensitizes tumor cells by increasing intracellular acidosis Frontiers in Oncology Volume 2 JAN, 2013, Article number Article 00199, SCOPUS
18. [1.2] Guo, J.ab, Li, F.-R.ab, Liu, Y.ab, Cheng, M.-S. Progress in the study of carbonic anhydrase inhibitors as potential anticancer drugs Yaoxue Xuebao Volume 48, Issue 11, 12 November 2013, Pages 1637-1643, SCOPUS
19. [1.2] Bevensee, M.O.a, Boron, W.F. Control of Intracellular pH Seldin and Geibisch's The Kidney Volume 2, 2013, Pages 1773-1835, SCOPUS
20. [1.2] Yingjun, G., Xun, Q. Acid-sensing ion channels under hypoxia Channels Volume 7, Issue 4, July 2013, Pages 231-237, SCOPUS
21. [1.1] Wei, H., Zhuo, R.-X., Zhang, X.-Z. Design and development of polymeric micelles with cleavable links for intracellular drug delivery Progress in Polymer Science Volume 38, Issue 3-4, March 2013, Pages 503-535, SCOPUS

ADCA339 TAKÁČOVÁ, Martina - BARTOŠOVÁ, Mária - ŠKVARKOVÁ, Lucia - ZAŤOVIČOVÁ, Miriam - VIDLIČKOVÁ, Ivana - CSÁDEROVÁ, Lucia - BARÁTHOVÁ, Monika - BREZA, J. - BUJDÁK, P. - PASTOREK, Jaromír - BREZA, Juraj - PASTOREKOVÁ, Silvia. Carbonic anhydrase IX is a clinically significant tissue and serum biomarker associated with renal cell carcinoma. In *Oncology Letters*, 2013, vol. 5, no. 1, p. 191 - 197. (0.237 - IF2012). ISSN 1792-1074.

Ohlasy:

1. [1.1] Rydzanicz, M (Rydzanicz, Malgorzata)[1] ; Wrzesinski, T (Wrzesinski, Tomasz)[2] ; Bluysen, HAR (Bluysen, Hans A. R.)([1] ; Wesoly, J Genomics and epigenomics of clear cell renal cell carcinoma: Recent developments and potential applications CANCER LETTERS Volume: 341 Issue: 2 Pages: 111-126, 2013, WOS
2. [1.2] Kajo, K.a , Turčan, I.b, Vallová, M.a, Laboš, T.a, Kajo, M.a, Machálek, K.a, Galbavý, Š.ac, Žúbor, P. Expression of carbonic anhydrase IX in the breast Carcinomas [Expresia karbonickej anhydrázy IX v karcinómoch prsníka] Ceska Gynekologie Volume 78, Issue 3, 2013, Pages 263-268, SCOPUS

ADCA340 TAKÁČOVÁ, Martina - HOLOTŇÁKOVÁ, Terézia - BARÁTHOVÁ, Monika - PASTOREKOVÁ, Silvia - KOPÁČEK, Juraj - PASTOREK, Jaromír. Src induces expression of carbonic anhydrase IX via hypoxia-inducible factor 1. In *Oncology Reports*, 2010, vol. 23, no.3, p. 869-874. (1.588 - IF2009). (2010 - Current Contents). ISSN 1021-335X.

Ohlasy:

1. [1.1] Ward, C (Ward, Carol)[2,3] ; Langdon, SP (Langdon, Simon P.)([2,3] ; Mullen, P (Mullen, Peter)[2,3] ; Harris, AL (Harris, Adrian L.)([4] ; Harrison, DJ (Harrison, David J.)([5] ; Supuran, CT (Supuran, Claudiu T.)([6] ; Kunkler, IH New strategies for targeting the hypoxic tumour microenvironment in breast cancer CANCER TREATMENT REVIEWS Volume: 39 Issue: 2 Pages: 171-179, 2013, WOS
2. [1.1] Gieling, Roben G.; Williams, Kaye J. Carbonic anhydrase IX as a target for metastatic disease BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1470-1476 Published: MAR 15 2013, WOS

ADCA341 THOMPSON, D. - VARGA, András - DE COSTA, H. - BIRCH, C. - GLASA, Miroslav - JAMES, D. First report of Plum pox virus recombinant strain on Peunus spp. in Canada. In *Plant Disease*, 2009, vol. 93, p. 674-689. (1.874 - IF2008). (2009 - Current Contents). ISSN 0191-2917.

Ohlasy:

1. [1.1] Mavrodieva, V (Mavrodieva, Vessela)[1] ; James, D (James, Delano)[2] ; Williams, K (Williams, Karen)[1] ; Negi, S (Negi, Sarika)[1] ; Varga, A (Varga, Aniko)[2] ; Mock, R (Mock, Ray)[3] ; Levy, L (Levy, Laurene)[1] Molecular Analysis of a Plum pox virus W Isolate in Plum Germplasm Hand Carried into the USA from the Ukraine Shows a Close Relationship to a Latvian Isolate PLANT DISEASE Volume: 97 Issue: 1 Pages: 44-52 DOI: 10.1094/PDIS-01-12-0104-RE Published: JAN 2013, WOS
2. [1.1] Scorza, R (Scorza, Ralph)[1] ; Callahan, A (Callahan, Ann)[1] ; Dardick, C (Dardick, Chris)[1] ; Ravelonandro, M (Ravelonandro, Michel)[2] ; Polak, J (Polak, Jaroslav)[3] ; Malinowski, T (Malinowski, Tadeusz)[4] ; Zagrai, I (Zagrai, Ioan)[5] ; Cambra, M (Cambra, Mariano)[6] ; Kamenova, I (Kamenova, Ivanka) Genetic engineering of Plum pox virus resistance: 'HoneySweet' plum-from concept to product PLANT CELL TISSUE AND ORGAN CULTURE Volume: 115 Issue: 1 Pages: 1-12, 2013, WOS

ADCA342 TISCHER, B.K. - SCHUMACHER, D. - BEER, M. - BEYER, J. - TEIFKE, J.P. - OSTERRIEDER, K. - WINK, K. - ZELNÍK, Vladimír - FEHLER, F. - OSTERRIEDER, N. A DNA vaccine containing an infectious Mareks disease virus genome can confer protection against tumorigenic Mareks disease in chickens. In *Journal of General Virology*. - Reading RG7 1AG : Society for General Microbiology, Marlborough House, 2002, vol. 83, p. 2367-2376. (3.248 - IF2001). (2002 - Current Contents). ISSN 0022-1317.

Ohlasy:

1. [1.1] Lupiani, B (Lupiani, Blanca)[1] ; Lee, LF (Lee, Lucy F.)[2] ; Kreager, KS (Kreager, K. S.)[3] ; Witter, RL (Witter, Richard L.)[2] ; Reddy, SM Insertion of Reticuloendotheliosis Virus Long Terminal Repeat into the Genome of CVI988 Strain of Marek's Disease Virus Results in Enhanced Growth and Protection AVIAN DISEASES Volume: 57 Issue: 2 Pages: 427-431 Supplement: 1, 2013, WOS
2. [1.1] Wozniakowski, G (Wozniakowski, Grzegorz)[1] ; Samorek-Salamonowicz, E IN VITRO REPLICATION OF RECOMBINANT MAREK'S DISEASE VIRUSES CONSTRUCTED FROM FIELD STRAINS LACKING MEQ AND VTR ONCOGENES BULLETIN OF THE VETERINARY INSTITUTE IN PULAWY Volume: 57 Issue: 2 Pages: 141-147, 2013, WOS

ADCA343 TKÁČOVÁ, M. - VAREČKOVÁ, Eva - BAKER, I.C. - LOVE, J.M. - ZIEGLER, T. Evaluation of Monoclonal antibodies for subtyping of currently circulating human type A influenza viruses. In *Journal of Clinical Microbiology*, 1997, vol. 35, no. 5, p. 1196 - 1198. (3.964 - IF1996). (1997 - Current Contents). ISSN 0095-1137.

Ohlasy:

1. [1.1] Kosik, I (Kosik, I.)[1] ; Krejnosova, I (Krejnosova, I.)[1] ; Praznovska, M (Praznovska, M.)[1] ; Russ, G The multifaceted effect of PB1-F2 specific antibodies on influenza A virus infection
VIROLOGY Volume: 447 Issue: 1-2 Pages: 1-8, 2013, WOS

ADCA344 TOMAN, Rudolf - ŠKULTÉTY, Ľudovít - IHNATKO, Róbert. Coxiella burnetii glycomics and proteomics --tools fot linking structure to function. In *Annals of the New York Academy of Sciences*, 2009, vol. 1166, p. 67 - 78. (2.303 - IF2008). ISSN 0077-8923.

Ohlasy:

1. [1.1] Vranakis, I (Vranakis, Iosif)[1] ; Papadioti, A (Papadioti, Anastasia)[2] ; Tselentis, Y (Tselentis, Yannis)[1] ; Psaroulaki, A (Psaroulaki, Anna)[1,3] ; Tsiotis, G (Tsiotis, Georgios)[2] The contribution of proteomics towards deciphering the enigma of Coxiella burnetii PROTEOMICS CLINICAL APPLICATIONS Volume: 7 Issue: 1-2 Special Issue: SI Pages: 193-204 DOI: 10.1002/prca.201200096 Published: JAN 2013, WOS
2. [1.1] Roest, HJ (Roest, Hendrik I. J.)[1,2] ; Post, J (Post, Jacob)[3] ; van Gelderen, B (van Gelderen, Betty)[1,2] ; van Zijderveld, FG (van Zijderveld, Fred G.)[1,2] ; Rebel, MJM (Rebel, Johanna M. J.)[3] Q fever in pregnant goats: humoral and cellular immune responses VETERINARY RESEARCH Volume: 44, no. 67, 2013, WOS
3. [1.1] Roest, H.I.J., Bossers, A., van Zijderveld, F.G., Rebel, J.M.L. Clinical microbiology of coxiella burnetii and relevant aspects for the diagnosis and control of the zoonotic disease Q fever Veterinary Quarterly 33 (3) , pp. 148-160, 2013, SCOPUS

ADCA345 TOMAN, Rudolf - KOHN, Rudolf - MALOVÍKOVÁ, Anna - ROSÍK, Jozef. Distribution of 4-O-methyl-D-glucuronic acid units in xylan of the bark of white willow (*Salix alba* L.). In *Collection of Czechoslovak Chemical Communications*, 1981, vol. 46, p. 1405-1412. ISSN 0010-0765.

Ohlasy:

1. [1.2] Ibn Yaich, A (Ibn Yaich, Anas); Edlund, U (Edlund, Ulrica); Albertsson, AC (Albertsson, Ann-Christine) In: BIOMACROMOLECULES Volume: 13 Issue: 2 Pages: 466-473, 2012, WOS

ADCA346 TOMAN, Rudolf - ŠKULTÉTY, Ľudovít - FTÁČEK, Peter - HRICOVINY, M. NMR study of virenose and dihydroxystreptose isolated from *Coxiella burnetii* phase lipopolysaccharide. In *Carbohydrate Research*, 1998, vol.306, no. 1-2, p. 291 - 296. (1.417 - IF1997). (1998 - Current Contents). ISSN 0008-6215.

Ohlasy:

1. [1.1] Hricoviniova, Zuzana; Hricovini, Milos A new type of rearrangement in branched-chain carbohydrates: isomerization of 3-C-branched aldoses CARBOHYDRATE RESEARCH Volume: 370 Pages: 1-8 DOI: 10.1016/j.carres.2012.12.014 Published: APR 5 2013, WOS

ADCA347 TOMAN, Rudolf - GARIDEL, P. - ANDRÄ, J. - SLABÁ, Katarína - HUSSEIN, A. - KOCH, M.H.J - BRANDENBURG, K. Physiochemical characterization of the endotoxins from *Coxiella burnetii* strain Priscilla in relation to their bioactivities. In *BMC Biochemistry*, 2004, vol. 5, p. 1-11.

Ohlasy:

1. [1.1] Kawasaki, K. Complexity of lipopolysaccharide modifications in *Salmonella enterica*: Its effects on endotoxin activity, membrane permeability, and resistance to antimicrobial peptides Food Research International Volume 45, Issue 2, March 2012, Pages 493-501, SCOPUS
2. [1.2] Mottola, G.ab, Boucherit, N.a, Abnave, P.a, Ghigo, E. Q fever and *Coxiella burnetii*: Immune response and pathogenesis Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry Volume 12, Issue 4, 2012, Pages 303-316, SCOPUS
3. [1.2] Van Schaik, E.J.a, Chen, C.a, Mertens, K.ab, Weber, M.M.a, Samuel, J.E. Molecular pathogenesis of the obligate intracellular bacterium *Coxiella burnetii* Nature Reviews Microbiology Volume 11, Issue 8, August 2013, Pages 561-573, SCOPUS

ADCA348 TOMAN, Rudolf - ŠKULTÉTY, Ľudovít. Structural study on a lipopolysaccharide from *Coxiella burnetii* strain Nine Mile in an virulent phase II. In *Carbohydrate Research*, 1996, vol. 283, p. 175 - 185. (1.506 - IF1995). ISSN 0008-6215.

Ohlasy:

1. [1.1] Lodowska, J (Lodowska, Jolanta)[1] ; Wolny, D (Wolny, Daniel)[2] ; Weglarz, L (Weglarz, Ludmila)[1] The sugar 3-deoxy-D-manno-oct-2-ulosonic acid (Kdo) as a characteristic component of bacterial endotoxin - a review of its biosynthesis, function, and placement in the lipopolysaccharide core CANADIAN JOURNAL OF MICROBIOLOGY Volume: 59 Issue: 10 Pages: 645-655, 2013, WOS

ADCA349 TOMÁŠKOVÁ, Jana - OVEČKOVÁ, Ingrid - LABUDOVÁ, Martina - LUKÁČIKOVÁ, Ľubomíra - LAPOŠOVÁ, Katarína - KOPÁČEK, Juraj - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír. Hypoxia Induces the Gene Expression and Extracellular Transmission of Persistent Lymphocytic Choriomeningitis Virus. In *Journal of Virology*, 2011, vol. 85, no. 24, p. 13069 - 13076. (5.189 - IF2010). (2011 - Current Contents). ISSN 0022-538X.

Ohlasy:

1. [1.1] Morinet, F (Morinet, Frederic)[1,2] ; Casetti, L (Casetti, Luana)[3] ; Francois, JH (Francois, Jean-Hugues)[3,4,5] ; Capron, C (Capron, Claude)[3,4,5] ; Pillet, S Oxygen tension level and human viral infections VIROLOGY Volume: 444 Issue: 1-2 Pages: 31-36, 2013, WOS

ADCA350 TAMES, L. - EMBERLEY, E. - NIU, Y.L. - TROUP, S. - PASTOREK, Jaromír - STRANGE, K. - HARRIS, A. - WATSON, P.H. Necrosis and hypoxia in invasive breast carcinoma. In *Breast Cancer Research and Treatment*. - Dordrecht, Netherland : Kluwer Academic PUBL., 2003, vol. 81, p. 61-69. (2.720 - IF2002).

Ohlasy:

1. [1.1] Adams, A (Adams, Arthur)[1] ; van Brussel, ASA (van Brussel, Aram S. A.)[2] ; Vermeulen,

- JF (Vermeulen, Jeroen F.)[2] ; Mali, WPTM (Mali, Willem P. Th M.)[1] ; van der Wall, E (van der Wall, Elsken)[3] ; van Diest, PJ (van Diest, Paul J.)[2] ; Elias, SG The potential of hypoxia markers as target for breast molecular imaging - a systematic review and meta-analysis of human marker expression BMC CANCER Volume: 13, Article Number: 538, 2013, WOS
2. [1.1] Rundqvist, H.; Johnson, R. S. tumour oxygenation: implications for breast cancer prognosis JOURNAL OF INTERNAL MEDICINE Volume: 274 Issue: 2 Pages: 105-112 Published: AUG 2013, WOS
3. [1.1] Nisman, B (Nisman, Benjamin)[1] ; Maimon, O (Maimon, Ofra)[1] ; Allweis, T (Allweis, Tanir)[2] ; Kadouri, L (Kadouri, Luna)[1] ; Maly, B (Maly, Bella)[3] ; Hamburger, T (Hamburger, Tamar)[1] ; Peretz, T The Prognostic Significance of LIAISON (R) CA15-3 Assay in Primary Breast Cancer ANTICANCER RESEARCH Volume: 33 Issue: 1 Pages: 293-299, 2013, WOS
4. [1.1] Shan, XH (Shan, Xiuhong)[1,2] ; Wang, DH (Wang, Dehang)[1] ; Chen, JH (Chen, Jianhua)[2] ; Xiao, XD (Xiao, Xiudi)[2] ; Jiang, YN (Jiang, Yanni)[1] ; Wang, YF (Wang, Yafei)[2] ; Fan, Y Necrosis Degree Displayed in Computed Tomography Images Correlated With Hypoxia and Angiogenesis in Breast Cancer JOURNAL OF COMPUTER ASSISTED TOMOGRAPHY Volume: 37 Issue: 1 Pages: 22-28, 2013, WOS
5. [1.1] Choi, Junjeong; Jung, Woo-Hee; Koo, Ja Seung Metabolism-Related Proteins Are Differentially Expressed according to the Molecular Subtype of Invasive Breast Cancer Defined by Surrogate Immunohistochemistry PATHOBIOLOGY Volume: 80 Issue: 1 Pages: 41-52 Published: 2013, WOS

ADCA351 TRISTEM, M. - KABÁT, Peter - LIEBERMAN, L. - LINDE, S. - KARPAS, A. - HILL, F. Characterization of a novel murine leukemia virus related subgroup within mammals. In *Journal of Virology*, 1996, vol. 70, p. 8241-8246. (6.033 - IF1995). (1996 - Current Contents). ISSN 0022-538X.

Ohlasy:

1. [1.2] Prabha, S. , Verghese, S Transmission of zoonoses in xenotransplantation: Porcine endogenous retroviruses from an immunological and molecular point of view Indian Journal of Medical Sciences Volume 66, Issue 9, September 2012, Pages 199-206, SCOPUS
2. [1.1] Zhuo, X., Rho, M., Feschotte, C. Genome-wide characterization of endogenous retroviruses in the bat *Myotis lucifugus* reveals recent and diverse infections (2013) Journal of Virology, 87 (15), pp. 8493-8501., WOS
3. [1.1] Song, N., Jo, H., Choi, M., Kim, J.-H., Seo, H.G., Cha, S.-Y., Seo, K., Park, C. Identification and classification of feline endogenous retroviruses in the cat genome using degenerate PCR and in silico data analysis (2013) Journal of General Virology, 94 (PART7), pp. 1587-1596, WOS

ADCA352 TURNER, Kevin J. - CREW, J.P. - WYKOFF, Charles C. - WATSON, P.H. - POULSOM, R. - PASTOREK, Jaromír - RATCLIFFE, Peter J. The hypoxia-inducible genes VEGF and CA9 are differentially regulated in superficial as invasive bladder cancer. In *British Journal of Cancer*, 2002, vol. 86, no. 8, p. 1276-1282. (3.942 - IF2001). (2002 - Current Contents). ISSN 1532-1827.

Ohlasy:

1. [1.1] Netto, George J. Molecular genetics and genomics progress in urothelial bladder cancer SEMINARS IN DIAGNOSTIC PATHOLOGY Volume: 30 Issue: 4 Pages: 313-320 Published: NOV 2013, WOS
2. [1.1] Netto, George J. Clinical Applications of Recent Molecular Advances in Urologic Malignancies: No Longer Chasing a "Mirage"? ADVANCES IN ANATOMIC PATHOLOGY Volume: 20 Issue: 3 Pages: 175-203 Published: MAY 2013, WOS
3. [1.2] Matsubara, T.a , DiResta, G.R.b, Kakunaga, S.c, Li, D.d, Healey, J.H. Additive influence of extracellular pH, oxygen tension, and pressure on invasiveness and survival of human osteosarcoma cells Frontiers in Oncology Volume 3 JUL, 2013, Article number 00199, SCOPUS
4. [1.2] Li, X.-F.a , Ma, Y. Hypoxia in micrometastases Hypoxia: Causes, Types and Management January 2013, Pages 237-254, SCOPUS

ADCA353 VÁCLAV, Radovan - FICOVÁ, Martina - PROKOP, Pavol - BETÁKOVÁ, Tatiana. Associations Between Coinfection Prevalence of *Borrelia lusitania* , *Anaplasma* sp., and *Rickettsia* sp. in Hard Ticks

Feeding on Reptile Hosts. In *Microbial Ecology*, 2011, vol. 61, no. 2, p. 245 - 253. (2.875 - IF2010). (2011 - Current Contents). ISSN 0095-3628.

Ohlasy:

1. [1.1] Ramos, R.A.N.a, Giannelli, A.a, Dantas-Torres, F.ab, Mallia, E.c, Passantino, G.a, Lia, R.P.a, Latrofa, M.S.a, Mutařchiev, Y.d, Otranto, D. Cercopithifilaria rugosicauda (spirurida, onchocercidae) in a roe deer and ticks from southern italy International Journal for Parasitology: Parasites and Wildlife Volume 2, Issue 1, December 2013, Pages 292-296, WOS
2. [1.1] Sekeyová, Z.a , Socolovschi, C.b, Špitalská, E.a, Kocianová, E.a, Boldiš, V.c, Quevedo Diaz, M.a, Berthová, L.a, Boháčsová, M.a, Valáriková, J.a, Edouard Fournier, P.b, Raoult, D.b Update on Rickettsioses in Slovakia Acta Virologica Volume 57, Issue 2, 2013, Pages 180-199, WOS
3. [1.1] GHIRA, I., MARTIN, M., SAS-KOVÁCS, I. (2013) Is there a need for another type of studies on reptiles in Romania? An argument for research on ticks parasitizing reptiles North-Western Journal of Zoology 9 (1) , pp. 221-225 , <http://biozoojournals.ro/nwjz/content/v9n1/nwjz.136501.Ghira.pdf>, WOS
4. [1.2] SEKEYOVA, Z., SOCOLOVSCHI, C., SPITALSKA, E., KOCIANOVA, E., BOLDIS, V., DIAZ, M. QUEVEDO, BERTHOVA, L., BOHACSOVA, M., VALARIKOVA, J., FOURNIER, P. EDOUARD, RAOULT, D. (2013). Update on Rickettsioses in Slovakia. ACTA VIROLOGICA Volume: 57 Issue: 2 Special Issue: SI Pages: 180-199 PMID:23600876, SCOPUS

ADCA354 VALKOVÁ, Dana - KAZÁR, Ján. A new plasmid (QpDV) common to Coxiella burnetii isolated as associated with acute and chronic Q fever. In *FEMS Microbiology Letters*, 1995, vol. 125, no. 2 - 3, p. 275 - 280. ISSN 0378-1097.

Ohlasy:

1. [1.1] Angelakis, E (Angelakis, E.)[1] ; Million, M (Million, M.)[1] ; D'Amato, F (D'Amato, F.)[1] ; Rouli, L (Rouli, L.)[1] ; Richet, H (Richet, H.)[1] ; Stein, A (Stein, A.)[1] ; Rolain, JM (Rolain, J. -M.)[1] ; Raoult, D Q fever and pregnancy: disease, prevention, and strain specificity EUROPEAN JOURNAL OF CLINICAL MICROBIOLOGY & INFECTIOUS DISEASES Volume: 32 Issue: 3 Pages: 361-368, 2013, WOS
2. [1.1] Frangoulidis, D (Frangoulidis, Dimitrios)[1] ; Splettstoesser, WD (Splettstoesser, Wolf D.)[1] ; Landt, O (Landt, Olfert)[2] ; Dehnhardt, J (Dehnhardt, Jasmin)[2] ; Henning, K (Henning, Klaus)[3] ; Hilbert, A (Hilbert, Angela)[3] ; Bauer, T (Bauer, Tilman); Antwerpen, M (Antwerpen, Markus)[1] ; Meyer, H (Meyer, Hermann)[1] ; Walter, MC (Walter, Mathias C.)[4,5] ; Knobloch, JKM Microevolution of the Chromosomal Region of Acute Disease Antigen A (adaA) in the Query (Q) Fever Agent Coxiella burnetii PLOS ONE Volume: 8 Issue: 1, Article Number: e53440 , 2013, WOS

ADCA355 VAREČKOVÁ, Eva - MUCHA, Vojtech - KOSTOLANSKÝ, František - GUBAREVA, L. - KLIMOV, A. HA2-specific monoclonal antibodies as tools for differential recognition of influenza A virus antigenic subtypes. Eva Varečková, Vojtech Mucha, František Kostolanský, Larisa V.Gubareva, Alexander Klimov. In *Virus Research : An International Journal of Molecular and Cellular Virology*, 2008, vol.132, p. 181 - 186. (2.810 - IF2007). (2008 - Current Contents). ISSN 0168-1702.

Ohlasy:

1. [1.1] Velkov, T (Velkov, Tony)[1] ; Ong, C (Ong, Chi)[2] ; Baker, MA (Baker, Mark A.)[3] ; Kim, H (Kim, Hyunsuh)[4] ; Li, J (Li, Jian)[1] ; Nation, RL (Nation, Roger L.)[1] ; Huang, JX (Huang, Johnny X.)[5] ; Cooper, MA (Cooper, Matthew A.)[5] ; Rockman, S The antigenic architecture of the hemagglutinin of influenza H5N1 viruses MOLECULAR IMMUNOLOGY Volume: 56 Issue: 4 Pages: 705-719, 2013, WOS

ADCA356 VAREČKOVÁ, Eva - MUCHA, Vojtech - WHARTON, S.A. - KOSTOLANSKÝ, František. Inhibition of fusion activity of influenza A haemagglutinin mediated by HA-2 specific monoclonal antibodies. In *Archives of Virology*. - Wien : Springer Verlag, 2003, vol. 148, p. 469-486. (1.967 - IF2002). (2003 - Current Contents). ISSN 0304-8608.

Ohlasy:

1. [1.1] Velkov, T (Velkov, Tony)[1] ; Ong, C (Ong, Chi)[2] ; Baker, MA (Baker, Mark A.)[3] ; Kim, H (Kim, Hyunsuh)[4] ; Li, J (Li, Jian)[1] ; Nation, RL (Nation, Roger L.)[1] ; Huang, JX (Huang, Johnny

- X.][5] ; Cooper, MA (Cooper, Matthew A.][5] ; Rockman, S The antigenic architecture of the hemagglutinin of influenza H5N1 viruses MOLECULAR IMMUNOLOGY Volume: 56 Issue: 4 Pages: 705-719, 2013, WOS
2. [1.1] Ni, FY (Ni, Fengyun)[1,2] ; Kondrashkina, E (Kondrashkina, Elena)[3] ; Wang, QH Structural basis for the divergent evolution of influenza B virus hemagglutinin VIROLOGY Volume: 446 Issue: 1-2 Pages: 112-122, 2013, WOS
3. [1.1] Shen, Xintian; Zhang, Xuanxuan; Liu, Shuwen Novel hemagglutinin-based influenza virus inhibitors JOURNAL OF THORACIC DISEASE Volume: 5 Supplement: 2 Pages: S149-S159 Published: AUG 2013, WOS
4. [1.1] Murrell, B (Murrell, Ben)[1,2,3] ; Moola, S (Moola, Sasha)[1,3] ; Mabona, A (Mabona, Amandla)[1,4] ; Weighill, T (Weighill, Thomas)[1] ; Sheward, D (Sheward, Daniel)[5] ; Pond, SLK (Pond, Sergei L. Kosakovsky)[6] ; Scheffler, K FUBAR: A Fast, Unconstrained Bayesian AppRoximation for Inferring Selection MOLECULAR BIOLOGY AND EVOLUTION Volume: 30 Issue: 5 Pages: 1196-1205, 2013, WOS
5. [1.1] Bragstad, K (Bragstad, Karoline)[1] ; Vinner, L (Vinner, Lasse)[1] ; Hansen, MS (Hansen, Mette Sif)[2] ; Nielsen, J (Nielsen, Jens)[2] ; Fomsgaard, A A polyvalent influenza A DNA vaccine induces heterologous immunity and protects pigs against pandemic A(H1N1)pdm09 virus infection VACCINE Volume: 31 Issue: 18 Pages: 2281-2288, 2013, WOS
6. [1.1] Yang, J (Yang, Jie)[1] ; Li, MM (Li, Minmin)[2] ; Shen, XT (Shen, Xintian)[1] ; Liu, SW Influenza A Virus Entry Inhibitors Targeting the Hemagglutinin VIRUSES-BASEL Volume: 5 Issue: 1 Pages: 352-373, 2013, WOS

ADCA357 VAREČKOVÁ, Eva - BETÁKOVÁ, Tatiana - MUCHA, Vojtech - SOLÁRIKOVÁ, L. - KOSTOLANSKÝ, František - WARIS, M. - RUSS, Gustáv. Preparation of monoclonal antibodies for the diagnosis of influenza A infection using different immunization protocols. In *Journal of Immunological Methods*, 1995, vol. 180, no.1, 107-116. (2.029 - IF1994). (1995 - Current Contents). ISSN 0022-1759.

Ohlasy:

1. [1.2] He, J.-L., Hsieh, M.-S., Chiu, Y.-C., Juang, R.-H., Wang, C.-H. Preparation of monoclonal antibodies against poor immunogenic avian influenza virus proteins Journal of Immunological Methods 387 (1-2), pp. 43-50, 2013, SCOPUS

ADCA358 VERMYLEN, P. - ROUFOSSE, C. - BURNY, A. - VERHEST, A. - BOSSCHAERTS, T. - PASTOREKOVÁ, Silvia - NINANE, V. - SCULIER, J.P. Carbonic anhydrase IX antigen differentiates between preneoplastic malignant. In *European Respiratory Journal*, 1999, vol. 14, p. 806-811. (2.233 - IF1998). (1999 - Current Contents). 2/4013/99.

Ohlasy:

1. [1.1] Matsubara, T.a, DiResta, G.R.b, Kakunaga, S.c, Li, D.d, Healey, J.H. Additive influence of extracellular pH, oxygen tension, and pressure on invasiveness and survival of human osteosarcoma cells Frontiers in Oncology Volume 3 JUL, 2013, Article number 00199, WOS

ADCA359 VOJTAŠŠÁK, Ján - DANIŠOVIČ, Ľuboš - KUBEŠ, Miroslav - BAKOŠ, Dušan - JARÁBEK, Ľ. - ULIČNÁ, M. - BLÁŠKO, Milan. Autologous biograft and mesenchymal stem cells in treatment of the diabetic foot. In *Neuroendocrinology Letters*, 2006, vol. 27, suppl.2, p. 134 - 137. (1.005 - IF2005). (2006 - WOS, SCOPUS). ISSN 0172-780X.

Ohlasy:

1. [1.1] Bustos, ML (Bustos, Martha L.)(1,2] ; Huleihel, L (Huleihel, Luai)(1,2,3] ; Meyer, EM (Meyer, Ernest M.)(4] ; Donnenberg, AD (Donnenberg, Albert D.)(4,5] ; Donnenberg, VS (Donnenberg, Vera S.)(5,6] ; Scieurba, JD (Sciurba, Joseph D.)(1,2] ; Mroz, L (Mroz, Lyle)(1,2] ; McVerry, BJ (McVerry, Bryan J.)(1] ; Ellis, BM (Ellis, Bryon M.)(1] ; Kaminski, N (Kaminski, Naftali)(1,2] ; Rojas, M (Rojas, Mauricio) Activation of Human Mesenchymal Stem Cells Impacts Their Therapeutic Abilities in Lung Injury by Increasing Interleukin (IL)-10 and IL-1RN Levels STEM CELLS TRANSLATIONAL MEDICINE Volume: 2 Issue: 11 Pages: 884-895, 2013, WOS
2. [1.1] Li, YL (Li, Yunling)(1,2] ; Zheng, L (Zheng, Lei)(1] ; Xu, X (Xu, Xia)(1] ; Song, LL (Song, Lili)(1] ; Li, Y (Li, Yin)(1] ; Li, W (Li, Wei)(1] ; Zhang, SH (Zhang, Suhan)(2] ; Zhang, F (Zhang, Feng)(2] ;

- Jin, HY (Jin, Haiyan)[2] Mesenchymal stem cells modified with angiopoietin-1 gene promote wound healing STEM CELL RESEARCH & THERAPY Volume: 4, Article Number: 113 , Published: SEP 16 2013, WOS
3. [1.1] Jiang, YA (Jiang, Yanan)[1] ; Chen, B (Chen, Bing)[2] ; Liu, YB (Liu, Yongbo)[1] ; Zhufu, ZY (Zhufu, Zhongyin)[1] ; Yan, X (Yan, Xin)[1] ; Hou, XL (Hou, Xianglin)[3] ; Dai, JW (Dai, Jianwu)[2] ; Tan, Q (Tan, Qian)[1] Effect of Collagen Scaffold with Adipose-derived Stromal Vascular Fraction Cells on Diabetic Wound Healing: A Study in a Diabetic Porcine Model TISSUE ENGINEERING AND REGENERATIVE MEDICINE Volume: 10 Issue: 4 Pages: 192-199. 2013, WOS
4. [1.1] Khosrotehrani, Kiarash Mesenchymal stem cell therapy in skin: why and what for? EXPERIMENTAL DERMATOLOGY Volume: 22 Issue: 5 Pages: 307-310 Published: MAY 2013, WOS
5. [1.1] Casiraghi, F (Casiraghi, Federica)[1,2] ; Remuzzi, G (Remuzzi, Giuseppe)[1] ; Abbate, M (Abbate, Mauro)[1] ; Perico, N (Perico, Norberto)[1] Casiraghi, F (Casiraghi, Federica)[1,2] ; Remuzzi, G (Remuzzi, Giuseppe)[1] ; Abbate, M (Abbate, Mauro)[1] ; Perico, N (Perico, Norberto)[1] Multipotent Mesenchymal Stromal Cell Therapy and Risk of Malignancies Stem Cell Reviews and Reports Volume 9, Issue 1, 2013, Pages 65-79, WOS
6. [1.2] Wan, J.a , Xia, L.b , Liang, W.a , Liu, Y.a , Cai, Q.a Transplantation of bone marrow-derived mesenchymal stem cells promotes delayed wound healing in diabetic rats Transplantation of bone marrow-derived mesenchymal stem cells promotes delayed wound healing in diabetic rats Volume 2013, Article number 647107, SCOPUS
7. [1.2] Xu, F.ab , Zhang, C.bc , Graves, D.T. Abnormal cell responses and role of TNF- α in impaired diabetic wound healing BioMed Research International Volume 2013, Article number 754802, SCOPUS
8. [1.1] Shim, J.H.a, Park, J.-Y.a, Lee, M.-G.b, Kang, H.H.a, Lee, T.R.a , Shin, D.W.a Human Dermal Stem/Progenitor Cell-Derived Conditioned Medium Ameliorates Ultraviolet A-Induced Damage of Normal Human Dermal Fibroblasts PLoS ONE Volume 8, Issue 7, 11 July 2013, Article number e67604, SCOPUS

ADCA360 VULLO, D. - INNOCENTI, A. - NISHIMORI, I. - PASTOREK, Jaromír - SCOZZAFAVA, A. - PASTOREKOVÁ, Silvia - SUPURAN, C.T. Carbonic anhydrase inhibitors. Inhibition of the transmembrane isozyme XII with sulfonamides - a new target for the design of antitumor and antiglaucoma drugs? In *Bioorganic & Medicinal Chemistry Letters*. - Oxford : Pergamon-Elsevier Science, 2005, vol. 15, no. 4, p. 963-969. (2.333 - IF2004). (2005 - Current Contents). ISSN 0960-894X.

Ohlasy:

1. [1.1] Gencer, N (Gencer, Nahit)[1] ; Bilen, C (Bilen, Cigdem)[1] ; Demir, D (Demir, Dudu)[1] ; Atahan, A (Atahan, Alparslan)[2] ; Ceylan, M (Ceylan, Mustafa)[3] ; Kucukislamoglu, M In vitro inhibition effect of some chalcones on erythrocyte carbonic anhydrase I and II ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY Volume: 41 Issue: 6 Pages: 384-388, 2013, WOS
2. [1.1] Cardenas-Rodriguez, N (Cardenas-Rodriguez, N.)([1] ; Coballase-Urrutia, E (Coballase-Urrutia, E.)([1] ; Huerta-Gertrudis, B (Huerta-Gertrudis, B.)([1] ; Garcia-Cruz, ME (Garcia-Cruz, M. E.)([1] ; Pedraza-Chaverri, J (Pedraza-Chaverri, J.)([2] ; Coria-Jimenez, R (Coria-Jimenez, R.)([3] ; Bandala, C (Bandala, C.)([4] ; Ruiz-Garcia, M Antioxidant activity of topiramate: an antiepileptic agent NEUROLOGICAL SCIENCES Volume: 34 Issue: 5 Pages: 741-747, 2013, WOS
3. [1.1] Gao, R (Gao, Rui)[1] ; Liao, S (Liao, Sha)[2] ; Zhang, C (Zhang, Chen)[1] ; Zhu, WL (Zhu, Weilong)[1] ; Wang, LY (Wang, Liyan)[2] ; Huang, J (Huang, Jin)[2] ; Zhao, ZJ (Zhao, Zhenjiang)[2] ; Li, HL (Li, Honglin)[2] ; Qian, XH (Qian, Xuhong)[1] ; Xu, YF Optimization of heterocyclic substituted benzenesulfonamides as novel carbonic anhydrase IX inhibitors and their structure activity relationship EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY Volume: 62 Pages: 597-604, 2013, WOS
4. [1.1] Aggarwal, M (Aggarwal, Mayank)[1] ; Boone, CD (Boone, Christopher D.)([1] ; Kondeti, B (Kondeti, Bhargav)[1] ; McKenna, R Structural annotation of human carbonic anhydrases JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY Volume: 28 Issue: 2 Pages: 267-277, 2013, WOS
5. [1.1] Karatas, MO (Karatas, Mert Olgun)[1] ; Alici, B (Alici, Bulent)[1] ; Cakir, U (Cakir, Umit)[2] ; Cetinkaya, E (Cetinkaya, Engin)[3] ; Demir, D (Demir, Dudu)[2] ; Ergun, A (Ergun, Adem)[2] ;

Gencer, N (Gencer, Nahit)[2] ; Arslan, O Synthesis and carbonic anhydrase inhibitory properties of novel coumarin derivatives JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY Volume: 28 Issue: 2 Pages: 299-304, 2013, WOS

6. [1.1] Aggarwal, M (Aggarwal, Mayank)[1] ; Kondeti, B (Kondeti, Bhargav)[1] ; McKenna, R Insights towards sulfonamide drug specificity in alpha-carbonic anhydrases BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1526-1533, 2013, WOS

ADCA361 VULLO, D. - SCOZZAFAVA, A. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - SUPURAN, C.T. Carbonic anhydrase inhibitors : inhibition of the tumor-associated isozyme IX with fluorine-containing sulfonamides. The first subnanomolar CA IX inhibitor discovered. In *Bioorganic & Medicinal Chemistry Letters*. - Oxford : Pergamon-Elsevier Science, 2004, vol. 14, no. 9, p. 2351 - 2356. (2.182 - IF2003). (2004 - Current Contents). ISSN 0960-894X.

Ohlasy:

1. [1.1] Dudutiene, V (Dudutiene, Virginija)[1] ; Zubriene, A (Zubriene, Asta)[1] ; Smirnov, A (Smirnov, Alexey)[1] ; Gyllyte, J (Gyllyte, Joana)[1] ; Timm, D (Timm, David)[1] ; Manakova, E (Manakova, Elena)[2] ; Grazulis, S (Grazulis, Saulius)[2] ; Matulis, D 4-Substituted-2,3,5,6-tetrafluorobenzenesulfonamides as inhibitors of carbonic anhydrases I, II, VII, XII, and XIII BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 7 Pages: 2093-2106, 2013, WOS
2. [1.1] Capozzi, ME (Capozzi, Megan E.)[1] ; Gordon, AY (Gordon, Andrew Y.)[2] ; Penn, JS (Penn, John S.)[3] ; Jayagopal, A Molecular Imaging of Retinal Disease JOURNAL OF OCULAR PHARMACOLOGY AND THERAPEUTICS Volume: 29 Issue: 2 Pages: 275-286 Special Issue: SI, 2013, WOS
3. [1.1] Lu, GL (Lu, Genliang)[1] ; Hillier, SM (Hillier, Shawn M.)[1] ; Maresca, KP (Maresca, Kevin P.)[1] ; Zimmerman, CN (Zimmerman, Craig N.)[1] ; Eckelman, WC (Eckelman, William C.)[1] ; Joyal, JL (Joyal, John L.)[1] ; Babich, JW Synthesis and SAR of Novel Re/Tc-99m-Labeled Benzenesulfonamide Carbonic Anhydrase IX Inhibitors for Molecular Imaging of Tumor Hypoxia JOURNAL OF MEDICINAL CHEMISTRY Volume: 56 Issue: 2 Pages: 510-520, 2013, WOS
4. [1.2] Guo, J.ab, Li, F.-R.ab, Liu, Y.ab, Cheng, M.-S. Progress in the study of carbonic anhydrase inhibitors as potential anticancer drugs Yaoxue Xuebao Volume 48, Issue 11, 12 November 2013, Pages 1637-1643, SCOPUS

ADCA362 VULLO, D. - FRANCHI, M. - GALLORI, E. - PASTOREK, Jaromír - SCOZZAFAVA, A. - PASTOREKOVÁ, Silvia - SUPURAN, C.T. Carbonic anhydrase inhibitors: inhibition of the tumor-associated isozyme IX with aromatic and heterocyclic sulfonamides. In *Bioorganic & Medicinal Chemistry Letters*, 2003, vol. 13, no. 6, p. 1005-1009. (1.927 - IF2002). (2003 - Current Contents). ISSN 0960-894X.

Ohlasy:

1. [1.1] Gencer, N (Gencer, Nahit)[1] ; Bilen, C (Bilen, Cigdem)[1] ; Demir, D (Demir, Dudu)[1] ; Atahan, A (Atahan, Alparslan)[2] ; Ceylan, M (Ceylan, Mustafa)[3] ; Kucukislamoglu, M In vitro inhibition effect of some chalcones on erythrocyte carbonic anhydrase I and II ARTIFICIAL CELLS NANOMEDICINE AND BIOTECHNOLOGY Volume: 41 Issue: 6 Pages: 384-388, 2013, WOS
2. [1.1] Sahebamee, H (Sahebamee, Hassan)[1] ; Yaghmaei, P (Yaghmaei, Parichehre)[1] ; Abdolmaleki, P (Abdolmaleki, Parviz)[2] ; Foroumadi, AR Quantitative Structure - Activity Relationships Study of Carbonic Anhydrase Inhibitors Using Logistic Regression Model IRANIAN JOURNAL OF CHEMISTRY & CHEMICAL ENGINEERING-INTERNATIONAL ENGLISH EDITION Volume: 32 Issue: 2 Pages: 19-29, 2013, WOS
3. [1.1] Ul-Haq, Z (Ul-Haq, Zaheer)[1] ; Usmani, S (Usmani, Saman)[1] ; Mahmood, U (Mahmood, Uzma)[1] ; al-Rashida, M (al-Rashida, Mariya)[2] ; Abbas, G In-Silico Analysis of Chromone Containing Sulfonamide Derivatives as Human Carbonic Anhydrase Inhibitors MEDICINAL CHEMISTRY Volume: 9 Issue: 4 Pages: 608-616, 2013, WOS
4. [1.1] Gao, R (Gao, Rui)[1] ; Liao, S (Liao, Sha)[2] ; Zhang, C (Zhang, Chen)[1] ; Zhu, WL (Zhu, Weiling)[1] ; Wang, LY (Wang, Liyan)[2] ; Huang, J (Huang, Jin)[2] ; Zhao, ZJ (Zhao, Zhenjiang)[2] ; Li, HL (Li, Honglin)[2] ; Qian, XH (Qian, Xuhong)[1] ; Xu, YF Optimization of heterocyclic substituted benzenesulfonamides as novel carbonic anhydrase IX inhibitors and their structure activity relationship EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY Volume: 62 Pages: 597-604,

2013, WOS

5. [1.1] Aggarwal, M (Aggarwal, Mayank)[1] ; Boone, CD (Boone, Christopher D.)([1] ; Kondeti, B (Kondeti, Bhargav)[1] ; McKenna, R tructural annotation of human carbonic anhydrases JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY Volume: 28 Issue: 2 Pages: 267-277, 2013, WOS
6. [1.1] Karatas, MO (Karatas, Mert Olgun)[1] ; Alici, B (Alici, Bulent)[1] ; Cakir, U (Cakir, Umit)[2] ; Cetinkaya, E (Cetinkaya, Engin)[3] ; Demir, D (Demir, Dudu)[2] ; Ergun, A (Ergun, Adem)[2] ; Gencer, N (Gencer, Nahit)[2] ; Arslan, O Synthesis and carbonic anhydrase inhibitory properties of novel coumarin derivatives JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY Volume: 28 Issue: 2 Pages: 299-304, 2013, WOS
7. [1.1] Aggarwal, M (Aggarwal, Mayank)[1] ; Kondeti, B (Kondeti, Bhargav)[1] ; McKenna, R Insights towards sulfonamide drug specificity in alpha-carbonic anhydrases BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1526-1533, 2013, WOS
8. [1.1] Kwon, Ji Eun; Jung, Woo-Hee; Koo, Ja Seung The expression of metabolism-related proteins in phyllodes tumors TUMOR BIOLOGY Volume: 34 Issue: 1 Pages: 115-124 Published: FEB 2013, WOS

ADCA363 WEISS, S. - WITKOWSKI, P.T. - AUSTE, B. - NOWAK, K. - WEBER, N. - FAHR, J. - MOMBOULI, J.V. - WOLFE, N.D. - DREXLER, J.F. - DROSTEN, C. - KLEMPA, Boris - LEENDERTZ, F.H. - KRUGER, D.H. Hantavirus in Bat, Sierra Leone. In *Emerging Infectious Diseases*, 2012, vol. 18, no. 1, p. 159-161. (6.169 - IF2011). (2012 - Current Contents). ISSN 1080-6040.

Ohlasy:

1. [1.1] Chandy, S (Chandy, S.)([1] ; Ulrich, RG (Ulrich, R. G.)([2] ; Schlegel, M (Schlegel, M.)([2] ; Petraityte, R (Petraityte, R.)([3] ; Sasnauskas, K (Sasnauskas, K.)([3] ; Prakash, DJ (Prakash, D. J.)([4] ; Balraj, V (Balraj, V.)([5] ; Abraham, P (Abraham, P.)([1] ; Sridharan, G (Sridharan, G.)([1] Hantavirus Infection among Wild Small Mammals in Vellore, South India ZOONOSIS AND PUBLIC HEALTH Volume: 60 Issue: 5 Pages: 336-340 DOI: 10.1111/j.1863-2378.2012.01532.x Published: AUG 2013, WOS
2. [1.1] Mackenzie, John S.; Jeggo, Martyn Reservoirs and vectors of emerging viruses CURRENT OPINION IN VIROLOGY Volume: 3 Issue: 2 Pages: 170-179 DOI: 10.1016/j.coviro.2013.02.002 Published: APR 2013, WOS
3. [1.1] Holmes, Edward C. What can we predict about viral evolution and emergence? CURRENT OPINION IN VIROLOGY Volume: 3 Issue: 2 Pages: 180-184 DOI: 10.1016/j.coviro.2012.12.003 Published: APR 2013, WOS
4. [1.1] Reusken, Chantal; Heyman, Paul Factors driving hantavirus emergence in Europe CURRENT OPINION IN VIROLOGY Volume: 3 Issue: 1 Pages: 92-99 DOI: 10.1016/j.coviro.2013.01.002 Published: FEB 2013, WOS
5. [1.1] Guo, WP (Guo, Wen-Ping)[1] ; Lin, XD (Lin, Xian-Dan)[2] ; Wang, W (Wang, Wen)[1] ; Tian, JH (Tian, Jun-Hua)[3] ; Cong, ML (Cong, Mei-Li)[1] ; Zhang, HL (Zhang, Hai-Lin)[4] ; Wang, MR (Wang, Miao-Ruo)[5] ; Zhou, RH (Zhou, Run-Hong)[1] ; Wang, JB (Wang, Jian-Bo)[1] ; Li, MH (Li, Ming-Hui)[1] ; Xu, J (Xu, Jianguo)[1] ; Holmes, EC (Holmes, Edward C.)([6,7,8] ; Zhang, YZ (Zhang, Yong-Zhen)[1] Phylogeny and Origins of Hantaviruses Harbored by Bats, Insectivores, and Rodents PLOS PATHOGENS Volume: 9 Issue: 2 Article Number: e1003159 DOI: 10.1371/journal.ppat.1003159 Published: FEB 2013, WOS
6. [1.1] Goeijenbier, M (Goeijenbier, Marco)[1] ; Wagenaar, J (Wagenaar, Jiri)[1,2,3] ; Goris, M (Goris, Marga)[3] ; Martina, B (Martina, Byron)[1] ; Henttonen, H (Henttonen, Heikki)[4] ; Vaheri, A (Vaheri, Antti)[5] ; Reusken, C (Reusken, Chantal)[6] ; Hartskeerl, R (Hartskeerl, Rudy)[3] ; Osterhaus, A (Osterhaus, Albert)[1] ; Van Gorp, E (Van Gorp, Eric)[1] Rodent-borne hemorrhagic fevers: under-recognized, widely spread and preventable - epidemiology, diagnostics and treatment CRITICAL REVIEWS IN MICROBIOLOGY Volume: 39 Issue: 1 Pages: 26-42 DOI: 10.3109/1040841X.2012.686481 Published: FEB 2013, WOS
7. [1.1] Li, JL (Li, J. -L.)([1] ; Ling, JX (Ling, J. -X.)([1] ; Chen, LJ (Chen, L. -J.)([1] ; Wei, F (Wei, F.)([1] ; Luo, F (Luo, F.)([1] ; Liu, YY (Liu, Y. -Y.)([1] ; Xiong, HR (Xiong, H. -R.)([1] ; How, W (How, W.)([1] ; Yang, ZQ (Yang, Z. -Q.)([1] An Efficient Method for Isolation of Hantaan Virus through Serial

Passages in Suckling Mice INTERVIROLOGY Volume: 56 Issue: 3 Pages: 172-177 DOI: 10.1159/000345444 Published: 2013, WOS

8. [1.1] Vaheri, A (Vaheri, Antti)[1,2,3] ; Henttonen, H (Henttonen, Heikki)[4] ; Voutilainen, L (Voutilainen, Liina)[1,2,4] ; Mustonen, J (Mustonen, Jukka)[5,6] ; Sironen, T (Sironen, Tarja)[1,2] ; Vapalahti, O (Vapalahti, Olli)[1,2,3,7] Hantavirus infections in Europe and their impact on public health REVIEWS IN MEDICAL VIROLOGY Volume: 23 Issue: 1 Pages: 35-49 DOI: 10.1002/rmv.1722 Published: JAN 2013, WOS
9. [1.2] Gu, S.H., Nicolas, V., Lalis, A., Sathirapongsasuti, N., Yanagihara, R. Complete genome sequence and molecular phylogeny of a newfound hantavirus harbored by the Doucet's musk shrew (*Crocidura douceti*) in Guinea Infection, Genetics and Evolution 20 , pp. 118-123, 2013, SCOPUS
10. [1.2] Shin, O.S., Kumar, M., Yanagihara, R., Song, J.-W. Hantaviruses induce cell type- and viral species-specific host microRNA expression signatures Virology 446 (1-2) , pp. 217-224 , 2013, SCOPUS
11. [1.2] Resman, K., Korva, M., Fajs, L., Zidarič, T., Trilar, T., Županc, T.A. Molecular evidence and high genetic diversity of shrew-borne Seewis virus in Slovenia Virus Research 177 (1) , pp. 113-117, 2013, SCOPUS
12. [1.2] Bagamian, K.H., Towner, J.S., Mills, J.N., Kuenzi, A.J. Increased detection of Sin Nombre hantavirus RNA in antibody-positive deer mice from Montana, USA: Evidence of male bias in RNA viremia Viruses 5 (9) , pp. 2320-2328, 2013, SCOPUS
13. [1.2] Anthony, S.J.ab , Epstein, J.H.b, Murray, K.A.b, Navarrete-Macias, I.a, Zambrana-Torrel, C.M.b, Solovyov, A.a, Ojeda-Flores, R.c, Arrigo, N.C.a, Islam, A.b, Khan, S.A.d, Hosseini, P.b, Bogich, T.L.ef, Olival, K.J.b, Sanchez-Leon, M.D.ab, Karesh, W.B.b, Goldstein, T.g, Daszak, P.b , Lipkin, W.I. A strategy to estimate unknown viral diversity in mammals mBio Volume 4, Issue 5, 3 September 2013, Article number e00598-13, SCOPUS
14. [1.2] Nakamura, I.ab , Hang'ombe, B.M.b, Sawa, H.ab, Kobayashi, S.a, Orba, Y.a, Ishii, A.ab, Thomas, Y.ab, Isozumi, R.c, Yoshimatsu, K.c, Mweene, A.S.b, Takada, A.ab, Sugimoto, C.ab, Arikawa, J. Cross-reactivity of secondary antibodies against African rodents and application for sero-surveillance Journal of Veterinary Medical Science Volume 75, Issue 6, 2013, Pages 819-825, SCOPUS
15. [1.2] Arai, S.a , Nguyen, S.T.b, Boldgiv, B.c, Fukui, D.d, Araki, K.a, Dang, C.N.b, Ohdachi, S.D.e, Nguyen, N.X.b, Pham, T.D.b, Boldbaatar, B.f, Satoh, H.a, Yoshikawa, Y.g, Morikawa, S.a, Tanaka-Taya, K.a, Yanagihara, R.h, Oishi, K. Novel bat-borne hantavirus, Vietnam Emerging Infectious Diseases Volume 19, Issue 7, July 2013, Pages 1159-1161, SCOPUS

ADCA364 WINUM, J.Y. - PASTOREKOVÁ, Silvia - JAKUBÍČKOVÁ, Lýdia - MONTERO, J.L. - SCOZZAFAVA, A. - PASTOREK, Jaromír - WULLO, D. - INNOCENTI, A. - SUPURAN, C.T. Carbonic anhydrase inhibitors: synthesis and inhibition of cytosolic/tumor-associated carbonic anhydrase isozymes I,II, and IX with bis-sulfamates. In *Bioorganic & Medicinal Chemistry Letters*, 2005, vol. 15, no. 3, p. 579-584. (2.333 - IF2004). (2005 - Current Contents). ISSN 0960-894X.

Ohlasy:

1. [1.2] Wang, L., Yang, C., Lu, W., Liu, L., Gao, R., Liao, S., Zhao, Z., Zhu, L., Xu, Y., Li, H. , Huang, J. , Zhu, W. Discovery of new potent inhibitors for carbonic anhydrase IX by structure-based virtual screening Bioorganic and Medicinal Chemistry Letters Volume 23, Issue 12, 15 June 2013, Pages 3496-3499, SCOPUS

ADCA365 WYKOFF, Charles C. - BEASLEY, N. - WATSON, P.H. - CAMPO, L. - CHIA, S.K. - ENGLISH, R. - PASTOREK, Jaromír - SLY, W.S. - RATCLIFFE, P. - HARRIS, Adrian L. Expression of the hypoxia-inducible and tumor-associated carbonic anhydrases in ductal carcinoma in situ of the breast. In *American Journal of Pathology*, 2001, vol. 158, p. 1011-1019. (6.971 - IF2000).

Ohlasy:

1. [1.1] Matsubara, T.a , DiResta, G.R.b, Kakunaga, S.c, Li, D.d, Healey, J.H. Additive influence of extracellular pH, oxygen tension, and pressure on invasiveness and survival of human osteosarcoma cells Frontiers in Oncology Volume 3 JUL, 2013, Article number 00199, WOS
2. [1.1] Adams, A.a , van Brussel, A.S.A.b , Vermeulen, J.F.b , Mali, W.P.a , van der Wall, E.c , van Diest, P.J.b , Elias, S.G. The potential of hypoxia markers as target for breast molecular imaging - a

- systematic review and meta-analysis of human marker expression BMC Cancer Volume 13, 10 November 2013, Article number 538, WOS
3. [1.1] Gondi, G.a, Mysliwicz, J.b, Hulikova, A.d, Jen, J.P.d, Swietach, P.d, Kremmer, E.b, Zeidler, R. Antitumor efficacy of a monoclonal antibody that inhibits the activity of cancer-associated carbonic anhydrase XII Cancer Research olume 73, Issue 21, 1 November 2013, Pages 6494-6503, WOS
 4. [1.1] Van Brussel, A.S.A.ab, Adams, A.c, Vermeulen, J.F.b, Oliveira, S.ab, Van Der Wall, E.d, Mali, W.P.T.M.c, Van Diest, P.J.b, Van Bergen En Henegouwen, P.M.P. Molecular imaging with a fluorescent antibody targeting carbonic anhydrase IX can successfully detect hypoxic ductal carcinoma in situ of the breast Breast Cancer Research and Treatment Volume 140, Issue 2, July 2013, Pages 263-272, WOS
 5. [1.1] Vermeulen, J.F.a, Van Der Wall, E.b, Witkamp, A.J.c, Van Diest, P.J. Analysis of expression of membrane-bound tumor markers in ductal carcinoma in situ of the breast: Paving the way for molecular imaging Cellular Oncology Volume 36, Issue 4, July 2013, Pages 333-340, WOS
 6. [1.1] Monti, S.M.a, Supuran, C.T.b, De Simone, G. Anticancer carbonic anhydrase inhibitors: A patent review (2008-2013) Expert Opinion on Therapeutic Patents Volume 23, Issue 6, June 2013, Pages 737-749, WOS
 7. [1.1] Lounnas, N.ab, Rosilio, C.ab, Nebout, M.ab, Mary, D.ab, Griessinger, E.ab, Neffati, Z.ab, Chiche, J.bc, Spits, H.d, Hagenbeek, T.J.e, Asnafi, V.f, Poulsen, S.-A.g, Supuran, C.T.h, Peyron, J.-F.abij, Imbert, V. Pharmacological inhibition of carbonic anhydrase XII interferes with cell proliferation and induces cell apoptosis in T-cell lymphomas Cancer Letters Volume 333, Issue 1, 1 June 2013, Pages 76-88, WOS
 8. [1.1] Liu, Y.-L.ab, Jing, L.-L.c, Guo, Q.-S. Clinical impact and reliability of carbonic anhydrase XII in the differentiation of malignant and tuberculous pleural effusions Asian Pacific Journal of Cancer Prevention Volume 14, Issue 1, 2013, Pages 351-354, WOS
 9. [1.1] Erpolat, O.P.a, Gocun, P.U.b, Akmansu, M.a, Ozgun, G.b, Akyol, G. Hypoxia-related molecules HIF-1 α , CA9, and osteopontin: Predictors of survival in patients with high-grade glioma Strahlentherapie und Onkologie Volume 189, Issue 2, February 2013, Pages 147-154, WOS
 10. [1.1] Vermeulen, J.F.a, Kornegoor, R.a, van der Wall, E.b, van der Groep, P.ab, van Diest, P.J. Differential Expression of Growth Factor Receptors and Membrane-Bound Tumor Markers for Imaging in Male and Female Breast Cancer PLoS ONE Volume 8, Issue 1, 4 January 2013, Article number e53353, WOS
 11. [1.1] Ostheimer, C., Vordermark, D. Osteopontin - an indicator of tumor hypoxia and treatment resistance Hypoxia: Causes, Types and Management January 2013, Pages 255-318, WOS

ADCA366 WYKOFF, Charles C. - BEASLEY, N.J. - WATSON, P.H. - CAMPO, L. - CHIA, S.K. - ENGLISH, R. - PASTOREK, Jaromír - SLY, W.S. - RATCLIFFE, P. - HARRIS, Adrian L. Hypoxia-inducible Expression of Tumor-associated Carbonic -Anhydrases. In *Cancer Research*. - Birmingham : Amer.Assoc.Cancer Research, 2000, vol. 60, p. 7075-7083. (8.614 - IF1999). (2000 - Current Contents). ISSN 008-5472.

Ohlasy:

1. [1.1] Matsubara, T.a, DiResta, G.R.b, Kakunaga, S.c, Li, D.d, Healey, J.H. Additive influence of extracellular pH, oxygen tension, and pressure on invasiveness and survival of human osteosarcoma cells Frontiers in Oncology Volume 3 JUL, 2013, Article number 00199, WOS
2. [1.1] Doyen, J.ab, Parks, S.K.a, Marcié, S.b, Pouysségur, J.ac, Chiche, J. Knock-down of hypoxia-induced carbonic anhydrases IX and XII radiosensitizes tumor cells by increasing intracellular acidosis Frontiers in Oncology Volume 2 JAN, 2013, Article number Article 00199, WOS
3. [1.1] Carroux, C.J.a, Rankin, G.M.a, Moeker, J.a, Bornaghi, L.F.a, Katneni, K.b, Morizzi, J.b, Charman, S.A.b, Vullo, D.c, Supuran, C.T.c, Poulsen, S.-A. A prodrug approach toward cancer-related carbonic anhydrase inhibition Journal of Medicinal Chemistry Volume 56, Issue 23, 12 December 2013, Pages 9623-9634, WOS
4. [1.1] Honasoge, A., Sontheimer, H. Involvement of tumor acidification in brain cancer pathophysiology Frontiers in Physiology Volume 4 NOV, 2013, Article number Article 316, WOS
5. [1.1] Kawai, Y., Kaidoh, M., Yokoyama, Y., Ohhashi, T. Cell surface F1/Fo ATP synthase contributes to interstitial flow-mediated development of the acidic microenvironment in tumor tissues American Journal of Physiology - Cell Physiology Volume 305, Issue 11, 1 December 2013,

Pages C1139-C1150, WOS

6. [1.1] Taddei, M.L.a, Giannoni, E.a, Comito, G.a, Chiarugi, P. Cancer Letters Volume 341, Issue 1, 28 November 2013, Pages 80-96, WOS
7. [1.1] Wandzilak, A.a , Czyzycki, M.ab, Wrobel, P.a, Szczerbowska-Boruchowska, M.a, Radwanska, E.c, Adamek, D.c, Lankosz, M. The oxidation states and chemical environments of iron and zinc as potential indicators of brain tumour malignancy grade-preliminary results Metallomics Volume 5, Issue 11, November 2013, Pages 1547-1553, WOS
8. [1.1] Gondi, G.a, Mysliwietz, J.b, Hulikova, A.d, Jen, J.P.d, Swietach, P.d, Kremmer, E.b, Zeidler, R. Antitumor efficacy of a monoclonal antibody that inhibits the activity of cancer-associated carbonic anhydrase XII Cancer Research Volume 73, Issue 21, 1 November 2013, Pages 6494-6503, WOS
9. [1.1] Shareef, M.M.ab , Udayakumar, T.S.ab, Sinha, V.K.abc, Saleem, S.M.d, Griggs, W.W. Interaction of HIF-1 α and Notch3 Is Required for the Expression of Carbonic Anhydrase 9 in Breast Carcinoma Cells Genes and Cancer Volume 4, Issue 11-12, November 2013, Pages 513-523, WOS
10. [1.1] Rana, S.abc, Nissen, F.abc, Lindner, T.abc, Altmann, A.abc, Mier, W.abc, Debus, J.abc, Haberkorn, U.abc, Askoxylakis, V. Screening of a novel peptide targeting the proteoglycan-Like region of human carbonic anhydrase 9 Molecular Imaging Volume 12, Issue 8, November 2013, WOS
11. [1.1] Santi, A.a , Caselli, A.a , Paoli, P.a , Corti, D.a , Camici, G.a , Pieraccini, G.b , Taddei, M.L.a , Serni, S.c , Chiarugi, P.a , Cirri, P. The effects of CA IX catalysis products within tumor microenvironment Cell Communication and Signaling Volume 11, Issue 1, 2013, Article number 81, WOS
12. [1.1] Zerati, M.ab , Leite, K.R.M.ab, Pontes-Junior, J.ab, Segre, C.C.ab, Reis, S.T.ab, Srougi, M.ab, Dall'Oglio, M.F. Carbonic anhydrase IX is not a predictor of outcomes in non-metastatic clear cell renal cell carcinoma - a digital analysis of tissue microarray International Braz J Urol Volume 39, Issue 4, 2013, Pages 484-492, WOS
13. [1.1] Klimowicz, A.C.abe, Bose, P.a, Petrillo, S.K.b, Magliocco, A.M.abf, Dort, J.C.c , Brockton, N.T. The prognostic impact of a combined carbonic anhydrase IX and Ki67 signature in oral squamous cell carcinoma British Journal of Cancer Volume 109, Issue 7, 1 October 2013, Pages 1859-1866, WOS
14. [1.1] Sudhakar, J.ab, Venkatesan, N.ab, Lakshmanan, S.a, Khetan, V.b, Krishnakumar, S.a, Biswas, J. Hypoxic tumor microenvironment in advanced retinoblastoma Pediatric Blood and Cancer Volume 60, Issue 10, October 2013, Pages 1598-1601, WOS
15. [1.1] Patel, N.R., Pattni, B.S., Abouzeid, A.H., Torchilin, V.P. Nanopreparations to overcome multidrug resistance in cancer Advanced Drug Delivery Reviews Volume 65, Issue 13-14, 2013, Pages 1748-1762, WOS
16. [1.1] Larkin, S.a , Kyprianou, N. Molecular signatures in urologic tumors International Journal of Molecular Sciences Volume 14, Issue 9, 6 September 2013, Pages 18421-18436, WOS
17. [1.1] Czepluch, F.S.a, Schlegel, M.a, Bremmer, F.b, Behnes, C.L.b, Hasenfuss, G.a, Schäfer, K. Stage-dependent detection of CD14+ and CD16+ cells in the human heart after myocardial infarction Virchows Archiv Volume 463, Issue 3, September 2013, Pages 459-469, WOS
18. [1.1] Rademakers, S.E.a , Hoogsteen, I.J.a, Rijken, P.F.a, Oosterwijk, E.b, Terhaard, C.H.c, Doornaert, P.A.d, Langendijk, J.A.e, Van Den Ende, P.f, Takes, R.g, De Bree, R.h, Van Der Kogel, A.J.a, Bussink, J.a, Kaanders, J.H. Pattern of CAIX expression is prognostic for outcome and predicts response to ARCON in patients with laryngeal cancer treated in a phase III randomized trial Radiotherapy and Oncology Volume 108, Issue 3, September 2013, Pages 517-522, WOS
19. [1.1] Parks, S.K.a, Chiche, J.b, Pouyssegur, J. Disrupting proton dynamics and energy metabolism for cancer therapy Nature Reviews Cancer Volume 13, Issue 9, September 2013, Pages 611-623, WOS
20. [1.1] Said, H.M. Determination human brain tumor marker gene carbonic anhydrase 9 (CA9) gene expression in different type of brain tumor cell 2013 ICME International Conference on Complex Medical Engineering, CME 2013 2013, Article number 6548278, Pages 403-407, WOS
21. [1.1] Vadlapatla, R.K., Vadlapudi, A.D., Mitra, A.K. Hypoxia-inducible factor-1 (HIF-1): A potential target for intervention in ocular neovascular diseases Current Drug Targets Volume 14, Issue 8, 2013, Pages 919-935, WOS

22. [1.1] Xu, K.ac, Mao, X.a, Mehta, M.ad, Cui, J.a, Zhang, C.a, Mao, F.a, Xu, Y. Elucidation of How Cancer Cells Avoid Acidosis through Comparative Transcriptomic Data Analysis PLoS ONE Volume 8, Issue 8, 14 August 2013, Article number e71177, WOS
23. [1.1] Miranda, E.a, Nordgren, I.K.a, Male, A.L.a, Lawrence, C.E.a, Hoakwie, F.a, Cuda, F.a, Court, W.d, Fox, K.R.bc, Townsend, P.A.cef, Packham, G.K.ce, Eccles, S.A.d, Tavassoli, A. A cyclic peptide inhibitor of HIF-1 heterodimerization that inhibits hypoxia signaling in cancer cells Journal of the American Chemical Society Volume 135, Issue 28, 17 July 2013, Pages 10418-10425, WOS
24. [1.1] de Theije, C.C.ab, Langen, R.C.J.ac, Lamers, W.H.ab, Schols, A.M.W.J.ac, Köhler, S.E. Distinct responses of protein turnover regulatory pathways in hypoxia- and semistarvation-induced muscle atrophy American Journal of Physiology - Lung Cellular and Molecular Physiology Volume 305, Issue 1, 1 July 2013, Pages L82-L91, WOS
25. [1.1] Yingjun, G., Xun, Q. Acid-sensing ion channels under hypoxia Channels Volume 7, Issue 4, July 2013, Pages 231-237, WOS
26. [1.1] Said, H.M.a , Hagemann, C.b, Carta, F.c, Katzer, A.a, Polat, B.a, Staab, A.d, Scozzafava, A.c, Anacker, J.e, Vince, G.H.bf, Flentje, M.a, Supuran, C.T. Hypoxia induced CA9 inhibitory targeting by two different sulfonamide derivatives including Acetazolamide in human Glioblastoma Bioorganic and Medicinal Chemistry Volume 21, Issue 13, 1 July 2013, Pages 3949-3957, WOS
27. [1.1] Zhu, Y.ac, Zhou, X.-Y.bc, Yao, X.-D.ac, Zhang, S.-L.ac, Dai, B.ac, Zhang, H.-L.ac, Shen, Y.-J.ac, Ye, D.-W. Prognostic value of carbonic anhydrase IX expression in penile squamous cell carcinoma: A pilot study Urologic Oncology: Seminars and Original Investigations Volume 31, Issue 5, July 2013, Pages 706-711, WOS
28. [1.1] Wang, Z.-C., Qin, Y.-J., Wang, P.-F., Yang, Y.-A., Wen, Q., Zhang, X., Qiu, H.-Y., Duan, Y.-T., Wang, Y.-T., Sang, Y.-L., Zhu, H.-L. Sulfonamides containing coumarin moieties selectively and potently inhibit carbonic anhydrases II and IX: Design, synthesis, inhibitory activity and 3D-QSAR analysis European Journal of Medicinal Chemistry Volume 66, 2013, Pages 1-11, WOS
29. [1.1] Fiaschi, T.a, Giannoni, E.a, Taddei, M.L.a, Cirri, P.a, Marini, A.b, Pintus, G.b, Nativi, C.c, Richichi, B.c, Scozzafava, A.c, Carta, F.d, Torre, E.a, Supuran, C.T.d, Chiarugi, P. Carbonic anhydrase IX from cancer-associated fibroblasts drives epithelial-mesenchymal transition in prostate carcinoma cells Cell Cycle Volume 12, Issue 11, 1 June 2013, Pages 1791-1801, WOS
30. [1.1] Lounnas, N.ab, Rosilio, C.ab, Nebout, M.ab, Mary, D.ab, Griessinger, E.ab, Neffati, Z.ab, Chiche, J.bc, Spits, H.d, Hagenbeek, T.J.e, Asnafi, V.f, Poulsen, S.-A.g, Supuran, C.T.h, Peyron, J.-F.abij , Imbert, V. Pharmacological inhibition of carbonic anhydrase XII interferes with cell proliferation and induces cell apoptosis in T-cell lymphomas Cancer Letters Volume 333, Issue 1, 1 June 2013, Pages 76-88, WOS
31. [1.1] Gary-Bobo, M.ad, Vaillant, O.a, Maynadier, M.a, Basile, I.a, Gallud, A.a, El Cheikh, K.a, Bouffard, E.a, Morère, A.ad, Rébillard, X.ab, Puche, P.ac, Nirdé, P.a, Garcia, M. Targeting multiplicity: The key factor for anti-cancer nanoparticles Current Medicinal Chemistry Volume 20, Issue 15, May 2013, Pages 1946-1955, WOS
32. [1.1] Ece, H.a , Mehmet, E.a, Cigir, B.A.b, Yavuz, D.b, Muammer, K.a, Cumhur, G.b, Mustafa, H.c, Sevkı, C.a, Fusun, S.a, Gokhan, O.A. Serum 8-OHdG and HIF-1α levels: Do they affect the development of malignancy in patients with hypoactive thyroid nodules? Wspolczesna Onkologia Volume 17, Issue 1, 2013, Pages 51-57, WOS
33. [1.1] Goyal, R., Gersbach, E., Yang, X.J., Rohan, S.M. Differential diagnosis of renal tumors with clear cytoplasm: Clinical relevance of renal tumor subclassification in the era of targeted therapies and personalized medicine Archives of Pathology and Laboratory Medicine Volume 137, Issue 4, April 2013, Pages 467-480, WOS
34. [1.1] Burroughs, S.K.a, Kaluz, S.b, Wang, D.a, Wang, K.a, Van Meir, E.G.b, Wang, B. Hypoxia inducible factor pathway inhibitors as anticancer therapeutics Future Medicinal Chemistry Volume 5, Issue 5, April 2013, Pages 553-572, WOS
35. [1.1] Winum, J.-Y.a , Colinas, P.A.b, Supuran, C.T. Glycosidic carbonic anhydrase IX inhibitors: A sweet approach against cancer Bioorganic and Medicinal Chemistry Volume 21, Issue 6, 15 March 2013, Pages 1419-1426, WOS
36. [1.1] Zhao, Y.a, Butler, E.B.b, Tan, M. Targeting cellular metabolism to improve cancer

- therapeutics Cell Death and Disease Volume 4, Issue 3, March 2013, Pages e532, WOS
37. [1.1] Liao, S.Y.a, Rodgers, W.H.b, Kauderer, J.c, Darcy, K.M.c, Carter, R.c, Susumu, N.d, Nagao, S.e, Walker, J.L.f, Hatae, M.g, Stanbridge, E.J. Endocervical glandular neoplasia associated with lobular endocervical glandular hyperplasia is HPV-independent and correlates with carbonic anhydrase-IX expression: A Gynaecological Oncology Group Study British Journal of Cancer Volume 108, Issue 3, 19 February 2013, Pages 613-620, WOS
38. [1.1] Maruyama, T.ab, Miyamoto, Y.a , Yamamoto, G.c, Yamada, A.a, Yoshimura, K.a, Suzawa, T.a, Takami, M.a, Akiyama, T.ab, Hoshino, M.ab, Iwasa, F.b, Ikumi, N.a, Tachikawa, T.c, Mishima, K.c, Baba, K.b, Kamijo, R. Downregulation of Carbonic Anhydrase IX Promotes Col10a1 Expression in Chondrocytes PLoS ONE Volume 8, Issue 2, 18 February 2013, Article number e56984, WOS
39. [1.1] Teppo, S.a, Sundquist, E.a, Vered, M.b, Holappa, H.c, Parkkisenniemi, J.a, Rinaldi, T.a, Lehenkari, P.d, Grenman, R.e, Dayan, D.b, Risteli, J.fg, Salo, T.ag, Nyberg, P. The hypoxic tumor microenvironment regulates invasion of aggressive oral carcinoma cells Experimental Cell Research Volume 319, Issue 4, 15 February 2013, Pages 376-389, WOS
40. [1.1] van der Groep, P.ab , van Diest, P.J.a, Smolders, Y.H.C.M.a, Ausems, M.G.E.M.c, van der Luijt, R.B.c, Menko, F.H.d, Bart, J.e, de Vries, E.G.E.f, van der Wall, E. HIF-1 α Overexpression in Ductal Carcinoma In Situ of the Breast in BRCA1 and BRCA2 Mutation Carriers PLoS ONE Volume 8, Issue 2, 8 February 2013, Article number e56055, WOS
41. [1.1] Povoski, S.P. , Hall, N.C., Murrey, D.A., Sharp, D.S., Hitchcock, C.L., Mojzisik, C.M., Bahnson, E.E., Knopp, M.V., Martin, E.W., Bahnson, R.R. Multimodal imaging and detection strategy with 124 I-labeled chimeric monoclonal antibody cG250 for accurate localization and confirmation of extent of disease during laparoscopic and open surgical resection of clear cell renal cell carcinoma Surgical Innovation Volume 20, Issue 1, February 2013, Pages 59-69, WOS
42. [1.1] Lu, G., Hillier, S.M., Maresca, K.P., Zimmerman, C.N., Eckelman, W.C., Joyal, J.L., Babich, J.W. Synthesis and SAR of novel Re/99mTc-Labeled benzenesulfonamide carbonic anhydrase IX inhibitors for molecular imaging of tumor hypoxia Journal of Medicinal Chemistry Volume 56, Issue 2, 24 January 2013, Pages 510-520, WOS
43. [1.1] Shan, X.ab, Wang, D.a , Chen, J.b, Xiao, X.b, Jiang, Y.a, Wang, Y.b, Fan, Y. Necrosis degree displayed in computed tomography images correlated with hypoxia and angiogenesis in breast cancer Journal of Computer Assisted Tomography Volume 37, Issue 1, January 2013, Pages 22-28, WOS
44. [1.1] Slawinski, J (Slawinski, Jaroslaw)[1] ; Szafranski, K (Szafranski, Krzysztof)[1] ; Vullo, D (Vullo, Daniela)[2] ; Supuran, CT Carbonic anhydrase inhibitors. Synthesis of heterocyclic 4-substituted pyridine-3-sulfonamide derivatives and their inhibition of the human cytosolic isozymes I and II and transmembrane tumor-associated isozymes IX and XII EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY Volume: 69 Pages: 701-710, 2013, WOS
45. [1.1] Guo Yingjun; Qu Xun Acid-sensing ion channels under hypoxia CHANNELS Volume: 7 Issue: 4 Pages: 231-237 Published: JUL 1 2013, WOS
46. [1.1] Monti, Simona Maria; Supuran, Claudiu T.; De Simone, Giuseppina Anticancer carbonic anhydrase inhibitors: a patent review (2008-2013) EXPERT OPINION ON THERAPEUTIC PATENTS Volume: 23 Issue: 6 Pages: 737-749 Published: JUN 2013, WOS
47. [1.1] Aggarwal, M (Aggarwal, Mayank)[1] ; Boone, CD (Boone, Christopher D.)([1] ; Kondeti, B (Kondeti, Bhargav)[1] ; McKenna, R Structural annotation of human carbonic anhydrases JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY Volume: 28 Issue: 2 Pages: 267-277, 2013, WOS

ADCA367 ZACHAR, Vladimír - THOMAS, R.A. - GOUSTIN, A.S. Absolute quantification of target DNA: a simple competitive PCR for efficient analysis of multiple samples. In *Nucleic Acid Research*, 1993, vol. 21, p. 2017-2018.

Ohlasy:

1. [1.1] Zhao, J (Zhao, Juan)[1] ; Zhang, SF (Zhang, Shu-Feng)[1] ; Shi, Y (Shi, Yan)[2] ; Ren, LQ Effects of Urotensin II and Its Specific Receptor Antagonist Urantide on Rat Vascular Smooth Muscle

Cells BOSNIAN JOURNAL OF BASIC MEDICAL SCIENCES Volume: 13 Issue: 2 Pages: 78-83, 2013, WOS

ADCA368 ZACHAR, Vladimír - ZACHAROVÁ, V. - FINK, T. - THOMAS, R.A. - KING, B.R. - EBBESEN, P. - JONES, T.B. - GOUSTIN, A.S. Genetic analysis reveals ongoing HIV type 1 evolution in infected human placental trophoblast. In *AIDS Research and Human Retroviruses*, 1999, vol. 15, no., p. 1673-1683. (1999 - Current Contents). 5020.

Ohlasy:

1. [1.1] Ackerman, William; Kwiek, Jesse J. Role of the Placenta in Adverse Perinatal Outcomes among HIV-1 Seropositive Women JOURNAL OF NIPPON MEDICAL SCHOOL Volume: 80 Issue: 2 Pages: 90-94 Published: APR 2013, WOS
2. [1.1] King, Caroline C.; Ellington, Sascha R.; Kourtis, Athena P. The Role of Co-Infections in Mother-to-Child Transmission of HIV CURRENT HIV RESEARCH Volume: 11 Issue: 1 Pages: 10-23 Published: JAN 2013, WOS

ADCA369 ZACHAR, Vladimír - THOMAS, R.A. - JONES, T. - GOUSTIN, A.S. Vertical transmission of HIV-1 detection of proviral DNA in isolated placental thropoblast cells. In *AIDS*, 1994, vol. 8, no.1, p. 129-130. (5.727 - IF1993). (1994 - Current Contents). ISSN 0269-9370.

Ohlasy:

1. [1.1] Selvaraj, Shanmugapriya; Paintsil, Elijah Virologic and Host Risk Factors for Mother-to-Child Transmission of HIV CURRENT HIV RESEARCH Volume: 11 Issue: 2 Pages: 93-101 Published: MAR 2013, WOS

ADCA370 ZAŤOVIČOVÁ, Miriam - JELENSKÁ, Lenka - HULÍKOVÁ, Alžbeta - CSÁDEROVÁ, Lucia - DITTE, Zuzana - DITTE, Peter - GOLIAŠOVÁ, Terézia - PASTOREK, Jaromír - PASTOREKOVÁ, Silvia. Carbonic anhydrase IX as an anticancer therapy target: preclinical evaluation of internalizing monoclonal antibody directed to catalytic domain. In *Current Pharmaceutical Design*, 2010, vol. 16, no. 29, p. 3255 - 3263. (4.414 - IF2009). (2010 - Current Contents). ISSN 1381-6128.

Ohlasy:

1. [1.1] D'Uva, G (D'Uva, Gabriele)[1,2] ; Bertoni, S (Bertoni, Sara)[1,3] ; Lauriola, M (Lauriola, Mattia)[2] ; De Carolis, S (De Carolis, Sabrina)[1] ; Pacilli, A (Pacilli, Annalisa)[1,4] ; D'Anello, L (D'Anello, Laura)[1,3] ; Santini, D (Santini, Donatella)[1] ; Taffurelli, M (Taffurelli, Mario)[5] ; Ceccarelli, C (Ceccarelli, Claudio)[1] ; Yarden, Y (Yarden, Yosef)[2] ; Montanaro, L (Montanaro, Lorenzo)[1] ; Bonafe, M (Bonafe, Massimiliano)[1,3] ; Storci, G Beta-Catenin/HuR Post-Transcriptional Machinery Governs Cancer Stem Cell Features in Response to Hypoxia PLOS ONE Volume: 8 Issue: 11, Article Number: e80742, 2013, WOS
2. [1.1] Kato, Y (Kato, Yasumasa)[1] ; Ozawa, S (Ozawa, Shigeyuki)[2] ; Miyamoto, C (Miyamoto, Chihiro)[3] ; Maehata, Y (Maehata, Yojiro)[3] ; Suzuki, A (Suzuki, Atsuko)[1] ; Maeda, T (Maeda, Toyonobu)[1] ; Baba, Y Acidic extracellular microenvironment and cancer CANCER CELL INTERNATIONAL Volume: 13, Article Number: 89, 2013, WOS
3. [1.1] Pan, Zenggang; Grizzle, William; Hameed, Omar Significant Variation of Immunohistochemical Marker Expression in Paired Primary and Metastatic Clear Cell Renal Cell Carcinomas AMERICAN JOURNAL OF CLINICAL PATHOLOGY Volume: 140 Issue: 3 Pages: 410-418 Published: SEP 2013, WOS
4. [1.1] Rasmussen, S (Rasmussen, Susanne)[1] ; Donskov, F (Donskov, Frede)[2] ; Pedersen, JW (Pedersen, Johannes W.)[3] ; Wandall, HH (Wandall, Hans H.)[3] ; Buus, S (Buus, Soren)[1] ; Harndahl, M (Harndahl, Mikkel)[1] ; Braendstrup, P (Braendstrup, Peter)[1] ; Claesson, MH (Claesson, Mogens H.)[1] ; Pedersen, AE Carbon anhydrase IX specific immune responses in patients with metastatic renal cell carcinoma potentially cured by interleukin-2 based immunotherapy IMMUNOPHARMACOLOGY AND IMMUNOTOXICOLOGY Volume: 35 Issue: 4 Pages: 487-496, 2013, WOS
5. [1.1] Winum, Jean-Yves; Capasso, Clemente ovel antibody to a carbonic anhydrase: patent evaluation of WO2011138279A1 EXPERT OPINION ON THERAPEUTIC PATENTS Volume: 23 Issue: 6 Pages: 757-760 Published: JUN 2013, WOS

6. [1.1] Gieling, Roben G.; Williams, Kaye J. Carbonic anhydrase IX as a target for metastatic disease BIOORGANIC & MEDICINAL CHEMISTRY Volume: 21 Issue: 6 Pages: 1470-1476 Published: MAR 15 2013, WOS

7. [1.1] Pinato, DJ (Pinato, D. J.)[1,2] ; Ramachandran, R (Ramachandran, R.)[1] ; Toussi, STK (Toussi, S. T. K.)[1] ; Vergine, M (Vergine, M.)[3] ; Ngo, N (Ngo, N.)[3] ; Sharma, R (Sharma, R.)[1] ; Lloyd, T (Lloyd, T.)[3] ; Meeran, K (Meeran, K.)[1] ; Palazzo, F (Palazzo, F.)[4] ; Martin, N (Martin, N.)[1] ; Khoo, B (Khoo, B.)[5] ; Dina, R (Dina, R.)[3] ; Tan, TM Immunohistochemical markers of the hypoxic response can identify malignancy in pheochromocytomas and paragangliomas and optimize the detection of tumours with VHL germline mutations BRITISH JOURNAL OF CANCER Volume: 108 Issue: 2 Pages: 429-437 , 2013, WOS

ADCA371 ZAŤOVIČOVÁ, Miriam - SEDLÁKOVÁ, Oľga - ŠVASTOVÁ, Eliška - OHRADANOVÁ, Anna - ČIAMPOR, Fedor - ARRIBAS, J. - PASTOREK, Jaromír - PASTOREKOVÁ, Silvia. Ectodomain shedding of the hypoxia-induced carbonic anhydrase IX is a metalloprotease-mediated process regulated by TACE/ADAM17. In *British Journal of Cancer*. - London : Nature Publishing Group, 2005, vol. 93, no. 11, p. 1267-1276. (3.742 - IF2004). (2005 - Current Contents). ISSN 1532-1827.

Ohlasy:

1. [1.1] Fiaschi, T (Fiaschi, Tania)[1,2,3] ; Giannoni, E (Giannoni, Elisa)[1,2,3] ; Taddei, ML (Taddei, Maria Letizia)[1,2,3] ; Cirri, P (Cirri, Paolo)[1,2,3] ; Marini, A (Marini, Alberto)[4] ; Pintus, G (Pintus, Gianfranco)[4] ; Nativi, C (Nativi, Cristina)[5] ; Richichi, B (Richichi, Barbara)[5] ; Scozzafava, A (Scozzafava, Andrea)[5] ; Carta, F (Carta, Fabrizio)[6] ; Torre, E (Torre, Eugenio)[1,2,3] ; Supuran, CT (Supuran, Claudiu T.)[6] ; Chiarugi, P Carbonic anhydrase IX from cancer-associated fibroblasts drives epithelial-mesenchymal transition in prostate carcinoma cells CELL CYCLE Volume: 12 Issue: 11 Pages: 1791-1801, 2013, WOS

ADCA372 ZÁVADA, Ján - ZÁVADOVÁ, Zuzana. An unusual transmissible agent - MaTu. In *Arch. Virol.*, 1991, roč. 118, č. 3-4, s. 189-197.

Ohlasy:

1. [1.2] Lapošová, K., Pastoreková, S., Tomášková, J. Lymphocytic choriomeningitis virus: Invisible but not innocent Acta Virologica olume 57, Issue 2, 2013, Pages 160-170, SCOPUS

ADCA373 ZÁVADA, Ján - ZÁVADOVÁ, Zuzana - PASTOREKOVÁ, Silvia - ČIAMPOR, Fedor - PASTOREK, Jaromír - ZELNÍK, Vladimír. Expression of MaTu-MN protein in human tumor cultures and in clinical specimens. In *International journal of cancer*, 1993, vol. 54, p. 268 - 274. (2.917 - IF1992). ISSN 0020-7136.

Ohlasy:

1. [1.1] Mikami, Yoshiki; McCluggage, W. Glenn Endocervical Glandular Lesions Exhibiting Gastric Differentiation: An Emerging Spectrum of Benign, Premalignant, and Malignant Lesions ADVANCES IN ANATOMIC PATHOLOGY Volume: 20 Issue: 4 Pages: 227-237 Published: JUL 2013, WOS

2. [1.1] Schutze, D (Schuetze, Dina)[1] ; Milde-Langosch, K (Milde-Langosch, Karin)[1] ; Witzel, I (Witzel, Isabell)[1] ; Rody, A (Rody, Achim)[2] ; Karn, T (Karn, Thomas)[3] ; Schmidt, M (Schmidt, Marcus)[4] ; Choschzick, M (Choschzick, Matthias)[5] ; Janicke, F (Jaenicke, Fritz)[1] ; Muller, V Relevance of cellular and serum carbonic anhydrase IX in primary breast cancer JOURNAL OF CANCER RESEARCH AND CLINICAL ONCOLOGY Volume: 139 Issue: 5 Pages: 747-754, 2013, WOS

3. [1.1] Liao, SY (Liao, S. Y.)[1] ; Rodgers, WH (Rodgers, W. H.)[2] ; Kauderer, J (Kauderer, J. J.)[3] ; Darc, KM (Darc, K. M.)[3] ; Carter, R (Carter, R. J.)[3] ; Susumu, N (Susumu, N. J.)[4] ; Nagao, S (Nagao, S. J.)[5] ; Walker, JL (Walker, J. L. J.)[6] ; Hatae, M (Hatae, M. J.)[7] ; Stanbridge, EJ Endocervical glandular neoplasia associated with lobular endocervical glandular hyperplasia is HPV-independent and correlates with carbonic anhydrase-IX expression: a Gynaecological Oncology Group Study BRITISH JOURNAL OF CANCER Volume: 108 Issue: 3 Pages: 613-620, 2013, WOS

4. [1.1] Teppo, S (Teppo, Susanna)[1,2] ; Sundquist, E (Sundquist, Elias)[1,2] ; Vered, M (Vered, Marilena)[3] ; Holappa, H (Holappa, Heidi)[4] ; Parkkisenniemi, J (Parkkisenniemi, Juha)[1,2] ; Rinaldi, T (Rinaldi, Tatiana)[1,2] ; Lehenkari, P (Lehenkari, Petri)[5] ; Grenman, R (Grenman, Reidar)[6,7,8] ; Dayan, D (Dayan, Dan)[3] ; Risteli, J (Risteli, Juha)[9,10] ; Salo, T (Salo, Tuula)[1,2,10] ; Nyberg, P The hypoxic tumor microenvironment regulates invasion of aggressive oral

- carcinoma cells EXPERIMENTAL CELL RESEARCH Volume: 319 Issue: 4 Pages: 376-389, 2013, WOS
5. [1.1] Said, Harun M. Determination Human Brain Tumor Marker Gene Carbonic Anhydrase 9 (CA9) Gene Expression in Different type of Brain Tumor Cells Book Group Author(s): IEEE , 2013 ICME INTERNATIONAL CONFERENCE ON COMPLEX MEDICAL ENGINEERING (CME) Pages: 403-407 Published: 2013, WOS
6. [1.1] Russ, Gustav; Kopacek, Juraj Special issue of Acta virologica to the 60th anniversary of foundation of the Institute of Virology of the Slovak Academy of Sciences INTRODUCTION ACTA VIROLOGICA Volume: 57 Issue: 2 Special Issue: SI Pages: 88-90 Published: 2013, WOS
7. [1.1] Mikami, Y (Mikami, Yoshiki)[1] ; Minamiguchi, S (Minamiguchi, Sachiko)[1] ; Teramoto, N (Teramoto, Norihiro)[2] ; Nagura, M (Nagura, Michikazu)[3] ; Haga, H (Haga, Hironori)[1] ; Konishi, I Carbonic anhydrase type IX expression in lobular endocervical glandular hyperplasia and gastric-type adenocarcinoma of the uterine cervix PATHOLOGY RESEARCH AND PRACTICE Volume: 209 Issue: 3 Pages: 173-178, 2013, WOS
8. [1.1] Shareef, M.M.ab , Udayakumar, T.S.ab, Sinha, V.K.abc, Saleem, S.M.d, Griggs, W.W. Interaction of HIF-1 α and Notch3 Is Required for the Expression of Carbonic Anhydrase 9 in Breast Carcinoma Cells Genes and Cancer Volume 4, Issue 11-12, November 2013, Pages 513-523, WOS

ADCA374 ZÁVADA, Ján - ZÁVADOVÁ, Zuzana - PASTOREK, Jaromír - BIESOVÁ, Zuzana - JEŽEK, J. - VELEK, J. Human tumour-associated cell adhesion protein MN/CA IX: identification of M75 epitope and of the region mediating cell adhesion. In *British Journal of Cancer*, 2000, vol. 82, no.11, p. 1808-1813. (3.282 - IF1999). (2000 - Current Contents).

Ohlasy:

1. [1.1] Tokárová, V.a, Pittermannová, A.a, Král, V.b, Řezáčová, P.b, Štěpánek, F. Feasibility and constraints of particle targeting using the antigen-antibody interaction Nanoscale Volume 5, Issue 23, 7 December 2013, Pages 11490-11498, WOS
2. [1.1] Zhu, Y.ac, Zhou, X.-Y.bc, Yao, X.-D.ac, Zhang, S.-L.ac, Dai, B.ac, Zhang, H.-L.ac, Shen, Y.-J.ac, Ye, D.-W. Prognostic value of carbonic anhydrase IX expression in penile squamous cell carcinoma: A pilot study rologic Oncology: Seminars and Original Investigations Volume 31, Issue 5, July 2013, Pages 706-711, WOS
3. [1.1] Monti, S.M.a, Supuran, C.T.b , De Simone, G. Anticancer carbonic anhydrase inhibitors: A patent review (2008-2013) Expert Opinion on Therapeutic Patents Volume 23, Issue 6, June 2013, Pages 737-749, WOS
4. [1.1] Laga, R.a, Pola, R.a, Ulbrich, K.a, Horřejší, M.b, Siegllová, I.b, Král, V.b, Fábry, M.b, Pechar, M. Avidin-conjugated polymers with monobiotinylated antibody fragments: A new strategy for the noncovalent attachment of recombinant proteins for polymer therapeutics Journal of Bioactive and Compatible Polymers Volume 28, Issue 3, May 2013, Pages 289-299, WOS
5. [1.1] Pola, R.a , Laga, R.a, Ulbrich, K.a, Siegllová, I.b, Král, V.b, Fábry, M.b, Kabešová, M.c, Kovář, M.c, Pechar, M. Polymer therapeutics with a coiled coil motif targeted against murine BCL1 leukemia Biomacromolecules Volume 14, Issue 3, 11 March 2013, Pages 881-889, WOS
6. [1.1] Maruyama, T.ab, Miyamoto, Y.a , Yamamoto, G.c, Yamada, A.a, Yoshimura, K.a, Suzawa, T.a, Takami, M.a, Akiyama, T.ab, Hoshino, M.ab, Iwasa, F.b, Ikumi, N.a, Tachikawa, T.c, Mishima, K.c, Baba, K.b, Kamijo, R. Downregulation of Carbonic Anhydrase IX Promotes Col10a1 Expression in Chondrocytes PLoS ONE Volume 8, Issue 2, 18 February 2013, Article number e56984, WOS
7. [1.1] Pechar, M. , Pola, R. The coiled coil motif in polymer drug delivery systems Biotechnology Advances Volume 31, Issue 1, January 2013, Pages 90-96, WOS

ADCA375 ZÁVADA, Ján. The pseudotypic paradox. In *Journal of General Virology*, 1982, vol. 63, no. 1, p. 15-24. ISSN 0022-1317.

Ohlasy:

1. [1.2] Johnson, J.B.a, Lyles, D.S.b, Alexander-Miller, M.A.a, Parks, G.D. Virion-associated complement regulator CD55 is more potent than CD46 in mediating resistance of mumps virus and vesicular stomatitis virus to neutralization Journal of Virology Volume 86, Issue 18, September 2012, Pages 9929-9940, SCOPUS
2. [1.2] Picanço-Castro, V.a , Russo-Carbolante, E.M.S.b, Covas, D.T. Advances in lentiviral vectors:

A patent review Recent Patents on DNA and Gene Sequences Volume 6, Issue 2, 2012, Pages 82-90, SCOPUS

3. [1.2] Miyanohara, A. Preparation of vesicular stomatitis Virus-G (VSV-G) conjugate and its use in gene transfer Cold Spring Harbor Protocols Volume 7, Issue 4, April 2012, Pages 453-456, SCOPUS

4. [1.2] Aurélie, D.ab, Carole, E.ab, Nicole, D. Lentiviral vectors: A powerful tool to target astrocytes in vivo Current Drug Targets Volume 14, Issue 11, 2013, Pages 1336-1346, SCOPUS

5. [1.2] Lyles, D.S. Assembly and Budding of Negative-Strand RNA Viruses Advances in Virus Research Volume 85, 2013, Pages 57-90, SCOPUS

6. [1.2] Gregory, D.A., Lyddon, T.D., Johnson, M.C. Multiple gag domains contribute to selective recruitment of murine leukemia virus (MLV) Env to MLV virions Journal of Virology Volume 87, Issue 3, February 2013, Pages 1518-1527, SCOPUS

ADCA376 ZÁVADA, Ján - ZÁVADOVÁ, Zuzana - MACHOŇ, O. - KUTINOVÁ, L. - OPAVSKÝ, René - PASTOREK, Jaromír. Transient transformation of mammalian cells by MN protein, a tumor -associated cell adhesion molecule with carbonic anhydrase activity. In *International Journal of Oncology*, 1997, vol. 10, no. 4, p. 857 - 863. (1.125 - IF1996). (1997 - Current Contents).

Ohlasy:

1. [1.1] Tokárová, V.a, Pittermannová, A.a, Král, V.b, Řezáčová, P.b, Štěpánek, F. Feasibility and constraints of particle targeting using the antigen-antibody interaction Nanoscale Volume 5, Issue 23, 7 December 2013, Pages 11490-11498, SCOPUS

ADCA377 ZÁVADA, Ján. Viral pseudotypes and phenotypic mixing. In *Archives of Virology*, 1976, vol. 50, no. 1-2, p. 1-15. ISSN 0304-8608.

Ohlasy:

1. [1.2] Howe, S.J.a , Chandrashekan, A. Vector systems for prenatal gene therapy: Principles of retrovirus vector design and production Methods in Molecular Biology Volume 891, 2012, Pages 85-107, SCOPUS

2. [1.2] Luche, R.M.a, Enssle, J.a, Kiem, H.-P. Abrogated cryptic activation of lentiviral transfer vectors Scientific Reports Volume 2, 2012, Article number 438, SCOPUS

3. [1.2] Loverdo, C.a , Lloyd-Smith, J.O. Intergenerational phenotypic mixing in viral evolution Evolution Volume 67, Issue 6, June 2013, Pages 1815-1822, SCOPUS

ADCA378 ZELNÍK, Vladimír - HARLIN, O. - FEHLER, F. - KASPERS, B. - GOBEL, T.W. - NAIR, V.K. - OSTERRIEDER, N. An enzyme-linked immunosorbent assay (ELISA) for detection of Marek's disease virus/specific antibodies and its application in an experimental vaccine trial. In *Journal of Veterinary Medicine - B-Infectious Diseases and Veterinary Public Health*. - Berlin : Blackwell Wissenschafts- Verlag, 2004, vol. 51, p.61-67. (0.062 - IF2003). ISSN 0931-1793.

Ohlasy:

1. [1.2] Islam, T. , Walkden Brown, S.W., Renz, K.G., Fakhrul Islam, A.F.M., Ralapanawe, S. Vaccination-challenge interval markedly influences protection provided by Rispens CVI988 vaccine against very virulent Marek's disease virus challenge Avian Pathology Volume 42, Issue 6, December 2013, Pages 516-526, SCOPUS

2. [1.2] Islam, T. , Renz, K.G., Walkden-Brown, S.W., Ralapanawe, S. Viral kinetics, shedding profile, and transmission of serotype 1 Marek's disease vaccine Rispens/CVI988 in maternal antibody-free chickens Avian Diseases Volume 57, Issue 2 SUPPL. 1, June 2013, Pages 454-463, SCOPUS

ADCA379 ZELNÍK, Vladimír - TYERS, P. - SMITH, G.D. - JIANG, Ch. - ROSS, L.J.N. Structure and properties of a herpesvirus of Turkeys recombinant in which Us1 Us10 and SORF3 genes have been replaced by a LacZ expression cassette. In *Journal of General Virology*, 1995, vol. 76, no. 11, p. 2903 - 2907. (3.478 - IF1994). (1995 - Current Contents). ISSN 0022-1317.

Ohlasy:

1. [1.1] Cui, HY (Cui, Hongyu)[1] ; Gao, HB (Gao, Hongbo)[1] ; Cui, XL (Cui, Xianlan)[2] ; Zhao, Y (Zhao, Yan)[1] ; Shi, XM (Shi, Xingming)[1] ; Li, QL (Li, Qiaoling)[1] ; Yan, S (Yan, Shuai)[1] ; Gao, M (Gao, Ming)[1] ; Wang, M (Wang, Mei)[1] ; Liu, CJ (Liu, Changjun)[1] ; Wang, YF Avirulent Marek's

Disease Virus Type 1 Strain 814 Vectored Vaccine Expressing Avian Influenza (AI) Virus H5
Haemagglutinin Induced Better Protection Than Turkey Herpesvirus Vectored AI Vaccine PLOS ONE
Volume: 8 Issue: 1, Article Number: e53340 , 2013, WOS

ADCB Vedecké práce v zahraničných karentovaných časopisoch neimpaktovaných

ADCB01 HEYMAN, P. - CEIANU, C.S. - CHRISTOVA, I. - TORDO, N. - BEERSMA, M. - ALVES, M. Joao - LUNDKVIST, A. - HUKIC, M. - PAPA, A. - TENORIO, A. - ZELENÁ, H. - VISONTAI, I. - GOLOVLJOVA, I. - CONNELL, J. - NICOLETTI, L. - VAN ESBROECK, M. - DUDMAN, S. Gjeruldsen - ABERLE, S. W. - AVŠIČ-ŽUPANC, T. - KORUKLUOGLU, G. - NOWAKOWSKA, A. - KLEMPA, Boris - ULRICH, R.G. - BINO, S. - ENGLER, O. - OPP, M. - VAHERI, A. A five-year perspective on the situation of haemorrhagic fever with renal syndrome and status of the hantavirus reservoirs in Europe, 2005-2010. In *Eurosurveillance*, 36, 2011 Sep 8;16, . pii: 19961. PMID: 21924118. Dostupné na internete: <<http://www.eurosurveillance.org/images/dynamic/EE/V16N36/art19961.pdf>>.

Ohlasy:

1. [1.2] Krautkrämer, E., Grouls, S., Urban, E., Schnitzler, P., Zeier, M. No gender-related differences in the severity of nephropathia epidemica, Germany BMC Infectious Diseases 13 (1) , art. no. 457, 2013, SCOPUS
2. [1.2] Heberger, S. Das Hantavirus - Eine zoonose mit wechselnder inzidenz | [The Hantavirus - A zoonosis with varying incidence] Zeitschrift fur Allgemeinmedizin 89 (2) , pp. 67-73, 2013, SCOPUS

ADCB02 MOHAMMED, Y.S. - GREŠÍKOVÁ, Milota - ADAMYOVÁ, K. - RAGIB AH EL-DAWALA, K. Studies on arboviruses in Egypt. II. Contribution of arboviruses to the aetiology of undiagnosed fever among children. In *The Journal of Hygiene*, 1970, vol. 68, no.3, p. 491-495.

Ohlasy:

1. [1.2] Kuhn, J.H.a , Bekal, S.b, Cai, Y.a, Clawson, A.N.a, Domier, L.L.c, Herrel, M.d, Jahrling, P.B.a, Kondo, H.e, Lambert, K.N.c, Mihindukulasuriya, K.A.f, Nowotny, N.gh, Radoshitzky, S.R.i, Schneider, U.d, Staeheli, P.d, Suzuki, N.e, Tesh, R.B.j, Wang, D.k, Wang, L.-F.lm, Dietzgen, R.G. Nyamiviridae: Proposal for a new family in the order Mononegavirales Archives of Virology Volume 158, Issue 10, October 2013, Pages 2209-2226, SCOPUS

ADCB03 PARKKILA, S. - PAN, P.W. - WARD, Aoife - GIBADULINOVÁ, Adriana - OVEČKOVÁ, Ingrid - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír - MARTINEZ, Alejandra Rodriguez - HELIN, Henrik O - ISOLA, Jorma. The calcium-binding protein S 100P in normal and malignant human tissues. In *BMC Clinical Pathology* [elektronický zdroj]. - London : BioMed Central, 2008, vol. 8, no. 2. ISSN 1472-6890. Názov z titulnej obrazovky. Dostupné na internete: <<http://www.biomedcentral.com/bmcclinpathol/>>.

Ohlasy:

1. [1.2] Ge, F., Wang, C., Wang, W., Wu, B. S100P predicts prognosis and drug resistance in gastric cancer International Journal of Biological Markers Volume 28, Issue 4, October 2013, Pages e387-e392, SCOPUS
2. [1.2] Onyeagucha, B.C.ab, Mercado-Pimentel, M.E.bc, Hutchison, J.b, Flemington, E.K.de, Nelson, M.A. S100P/RAGE signaling regulates microRNA-155 expression via AP-1 activation in colon cancer Experimental Cell Research Volume 319, Issue 13, 1 August 2013, Pages 2081-2090, SCOPUS
3. [1.2] Zhao, X. , Bai, Z., Wu, P., Zhang, Z. S100P enhances the chemosensitivity of human gastric cancer cell lines Cancer Biomarkers Volume 13, Issue 1, 2013, Pages 1-10, SCOPUS
4. [1.2] Yuan, R.-H.ab, Chang, K.-T.c, Chen, Y.-L.d, Hsu, H.-C.de, Lee, P.-H.a, Lai, P.-L.e, Jeng, Y.-M. S100P Expression Is a Novel Prognostic Factor in Hepatocellular Carcinoma and Predicts Survival in Patients with High Tumor Stage or Early Recurrent Tumors PLoS ONE Volume 8, Issue 6, 13 June 2013, Article number e65501, SCOPUS
5. [1.2] Pawłowski, K.M.ab, Homa, A.a, Bulkowska, M.a, Majchrzak, K.c, Motyl, T.a, Król, M. Expression of inflammation-mediated cluster of genes as a new marker of canine mammary malignancy Veterinary Research Communications Volume 37, Issue 2, June 2013, Pages 123-131, SCOPUS
6. [1.2] Maciejczyk, A.a, Łacko, A.ab, Ekiert, M.ab, Jagoda, E.c, Wysocka, T.c, Matkowski, R.ab, Hałoń, A.f, Györffy, B.d, Lage, H.e, Surowiak, P. Elevated nuclear S100P expression is associated with

poor survival in early breast cancer patients *Histology and Histopathology* Volume 28, Issue 4, 15 March 2013, Pages 513-524, SCOPUS

7. [1.2] Barry, S.a, Chelala, C.a, Lines, K.a, Sunamura, M.b, Wang, A.c, Marelli-Berg, F.M.d, Brennan, C.e, Lemoine, N.R.a, Crnogorac-Jurcevic, T. S100P is a metastasis-associated gene that facilitates transendothelial migration of pancreatic cancer cells *Clinical and Experimental Metastasis* Volume 30, Issue 3, March 2013, Pages 251-264, SCOPUS

8. [1.2] Wang, J., Wang, L.-P. , Xu, S., Yang, G.-Z. Morphology, immunohistochemistry and hTERC gene in-situ hybridization in Barrett's esophagus *Chinese Journal of Pathology* Volume 42, Issue 1, 8 January 2013, Pages 4-9, SCOPUS

ADCB04 SEKEYOVÁ, Zuzana - ROUX, V. - RAOULT, D. Phylogeny of Rickettsia spp. Inferred by comparing sequences of "gene D" which encodes an intracytoplasmic protein. In *International Journal of Systematic and Evolutionary Microbiology*. - Berks : Soc.General Microbiology, 2001, vol. 51, p. 1353-1360. (2001 - Current Contents).

Ohlasy:

1. [1.2] Maina, A.N.a, Speck, S.b, Spitalska, E.c, Toman, R.d, Dobler, G.b, Cutler, S.J. Rickettsia species: Rickettsioses BSL3 and BSL4 Agents: Epidemiology, Microbiology, and Practical Guidelines 17 April 2012, Pages 123-148, SCOPUS

2. [1.2] Koenen, F.a , Pascucci, I.b , Jaenson, T.G.T.c , Madder, M.de , de Sousa, R.f , Estrada-Peña, A.g , Farkas, R.h , Salman, M.i Tick-borne infections (including zoonoses) in europe and the mediterranean basin Ticks and Tick-borne Diseases: Geographical Distribution and Control Strategies in the Euro-Asia Region 20 December 2012, Pages 33-75

3. [1.2] Fornadel, C.M.a , Smith, J.D.b, Zawada, S.E.b, Arias, J.R.b, Norris, D.E. Detection of Rickettsia massiliae in Rhipicephalus sanguineus from the Eastern United States Vector-Borne and Zoonotic Diseases Volume 13, Issue 1, 1 January 2013, Pages 67-69, SCOPUS

4. [1.1] Koenen, F (Koenen, Frank)[1] ; Pascucci, I (Pascucci, Ilaria)[2] ; Jaenson, TGT (Jaenson, Thomas G. T.)[3] ; Madder, M (Madder, Maxime)[4,5] ; de Sousa, R (de Sousa, Rita)[6] ; Estrada-Pena, A (Estrada-Pena, Agustin)[7] ; Farkas, R (Farkas, Robert)[8] ; Salman, M (Salman, Mo) Tick-borne Infections (Including Zoonoses) in Europe and the Mediterranean Basin TICKS AND TICK-BORNE DISEASES: GEOGRAPHICAL DISTRIBUTION AND CONTROL STRATEGIES IN THE EURO-ASIA REGION Pages: 33-75, 2013, WOS

ADDA Vedecké práce v domácich karentovaných časopisoch impaktovaných

ADDA01 BANANEJ, K. - VAHDAT, A. - PREDAJŇA, Lukáš - GLASA, Miroslav. Molecular characterization of geographically different cucurbit aphid-borne yellows virus isolates. In *Acta Virologica : international journal*, 2009, vol. 53, no. 1, p. 61-64. (0.810 - IF2008). (2009 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.2] Kassem, M.A.a, Juarez, M.b, Gómez, P.af, Mengual, C.M.a, Sempere, R.N.a, Plaza, M.e, Elena, S.F.cd, Moreno, A.e, Fereres, A.e, Aranda, M.A. Genetic diversity and potential vectors and reservoirs of Cucurbit aphid-borne yellows virus in southeastern Spain *Phytopathology*, Volume 103, Issue 11, November 2013, Pages 1188-1197, 2013, SCOPUS

ADDA02 KOCÁKOVÁ, Pavlína - HAJNICKÁ, Valéria - SLOVÁK, Mirko - NUTTALL, Patricia A. - FUCHSBERGER, Norbert. Promotion of vesicular stomatitis virus. In *Acta Virologica : International Journal*. - Bratislava : Virologický ústav SAV, 1957-, 1999, vol. 43, no., p. 251-254. (0.500 - IF1998). (1999 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Bente, DA (Bente, Dennis A.)[1] ; Forrester, NL (Forrester, Naomi L.)[2] ; Watts, DM (Watts, Douglas M.)[3] ; McAuley, AJ (McAuley, Alexander J.)[1] ; Whitehouse, CA (Whitehouse, Chris A.)[4] ; Bray, M (Bray, Mike)[5] Crimean-Congo hemorrhagic fever: History, epidemiology, pathogenesis, clinical syndrome and genetic diversity *ANTIVIRAL RESEARCH* Volume: 100 Issue: 1 Pages: 159-189 , 2013, WOS

ADDA03 BETÁKOVÁ, Tatiana. Human immunodeficiency virus 1 Vpu protein does not affect the conversion of Influenza A virus hemagglutinin to its low-pH conformation in an acidic trans-Golgi compartment. In *Acta Virologica : international journal*, 2010, vol. 54, no.3, p. 197 - 203. (0.746 - IF2009). (2010 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Wang, Y., Park, S.H., Tian, Y., Opella, S.J. Impact of histidine residues on the transmembrane helices of viroporins *Molecular Membrane Biology* 30 (7) , pp. 360-369 , 2013, WOS

ADDA04 BETÁKOVÁ, Tatiana - SVETLÍKOVÁ, Darina - GOCNÍK, Michal. Overview of measles and mumps vaccine: origin, present, and future of vaccine production. In *Acta Virologica : international journal*, 2013, vol. 57, no. 2, p. 91 - 96. (0.759 - IF2012). (2013 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Russ, Gustav; Kopacek, Juraj Special issue of Acta virologica to the 60th anniversary of foundation of the Institute of Virology of the Slovak Academy of Sciences INTRODUCTION , ACTA VIROLOGICA Volume: 57 Issue: 2 Special Issue: SI Pages: 88-90 Published: 2013, WOS

ADDA05 BETÁKOVÁ, Tatiana - ŠVANČAROVÁ, Petra. Role and application of RNA interference in replication of influenza viruses. In *Acta Virologica : international journal*, 2013, vol. 57, no. 2, p. 97 - 104. (0.759 - IF2012). (2013 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Russ, Gustav; Kopacek, Juraj , Special issue of Acta virologica to the 60th anniversary of foundation of the Institute of Virology of the Slovak Academy of Sciences INTRODUCTION ACTA VIROLOGICA Volume: 57 Issue: 2 Special Issue: SI Pages: 88-90 Published: 2013, WOS

ADDA06 BILKA, František - HORVÁTHOVÁ, Marcela - BILKOVÁ, A. - ŠUBR, Zdeno W. - PŠENÁK, Mikuláš. Characterization of polyphenol oxidase from the latex of opium poppy. In *Biologia Plantarum : international journal*, 2003/4, vol. 47, no.1, p. 111-115. ISSN 0006-3134.

Ohlasy:

1. [1.1] De la Cruz-Chacón, I., González-Esquinca, A.R. Activities of enzymes catalyzing benzyloisoquinoline alkaloid biosynthesis in *Annona diversifolia* saff. during early development *Russian Journal of Plant Physiology* Volume 60, Issue 6, November 2013, Pages 791-799, SCOPUS

ADDA07 BLAŠKOVIČ, Dionýz - STANEKOVÁ, D. - RAJČÁNI, Július. Experimental pathogenesis of murine herpesvirus in newborn mice. In *Acta Virologica : international journal*, 1984, vol. 28, no. 1, p. 225 - 231. (0.461 - IF1983). (1984 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.2] Cipková-Jarcušková, J.a, Chalupková, A.a, Hrabovská, Z.a, Wágnerová, M.a, Mistríková, J. Biological and pathogenetic characterization of different isolates of murine gammaherpesvirus 68 (MHV-68) in the context of study of human oncogenic gammaherpesviruses *Acta Virologica* Volume 57, Issue 2, 2013, Pages 105-112, SCOPUS
2. [1.2] François, S.a, Vidick, S.a, Sarlet, M.b, Desmecht, D.b, Drion, P.c, Stevenson, P.G.d, Vanderplasschen, A.a, Gillet, L. Illumination of Murine Gammaherpesvirus-68 Cycle Reveals a Sexual Transmission Route from Females to Males in Laboratory Mice *PLoS Pathogens* Volume 9, Issue 4, April 2013, Article number e1003292, SCOPUS

ADDA08 BLAŠKOVIČ, Dionýz - STANČEKOVÁ, Marta - SVOBODOVÁ, J. - MISTRÍKOVÁ, Jela. Isolation of the five strains of herpesviruses from two species of free living small rodents. In *Acta Virologica : international journal*, 1980, vol.24, no.6, p.468-. (0.770 - IF1979). (1980 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Vidick, S (Vidick, Sarah)[1] ; Leroy, B (Leroy, Baptiste)[2] ; Palmeira, L (Palmeira, Leonor)[1] ; Machiels, B (Machiels, Benedicte)[1] ; Mast, J (Mast, Jan)[3] ; Francois, S (Francois, Sylvie)[1] ; Wattiez, R (Wattiez, Ruddy)[2] ; Vanderplasschen, A (Vanderplasschen, Alain)[1] ; Gillet, L Proteomic Characterization of Murid Herpesvirus 4 Extracellular Virions *PLOS ONE* , Volume: 8

Issue: 12, Article Number: e83842, 2013, WOS

2. [1.1] Francois, S (Francois, Sylvie)[1] ; Vidick, S (Vidick, Sarah)[1] ; Sarlet, M (Sarlet, Mickael)[2] ; Desmecht, D (Desmecht, Daniel)[2] ; Drion, P (Drion, Pierre)[3] ; Stevenson, PG (Stevenson, Philip G.)[4] ; Vanderplasschen, A (Vanderplasschen, Alain)[1] ; Gillet, L Illumination of Murine Gammaherpesvirus-68 Cycle Reveals a Sexual Transmission Route from Females to Males in Laboratory Mice PLOS PATHOGENS Volume: 9 Issue: 4, Article Number: e1003292, 2013, WOS
3. [1.1] Pancik, P.; Bauerovala-Hlinkova, V.; Kudelova, M. Purification of recombinant M3 proteins of murine gammaherpesviruses 68 and 72 expressed in Escherichia coli ACTA VIROLOGICA Volume: 57 Issue: 1 Pages: 59-68 Published: 2013, WOS
4. [1.1] Russ, Gustav; Kopacek, Juraj Special issue of Acta virologica to the 60th anniversary of foundation of the Institute of Virology of the Slovak Academy of Sciences INTRODUCTION ACTA VIROLOGICA Volume: 57 Issue: 2 Special Issue: SI Pages: 88-90 Published: 2013, WOS
5. [1.2] Kudelova, M (Kudelova, M.)([1] ; Belvoncikova, P (Belvoncikova, P.)([1] ; Halasova, Z (Halasova, Z.)([1] ; Kosovsky, J (Kosovsky, J.)([1] ; Lapunikova, B (Lapunikova, B.)([2] ; Pancik, P (Pancik, P.)([1] ; Rezuchova, I (Rezuchova, I.)([1] ; Supolikova, M (Supolikova, M.)([2] ; Zelnik, V Recombinant herpesviruses as tools for the study of herpesvirus biology Recombinant herpesviruses as tools for the study of herpesvirus biology Recombinant herpesviruses as tools for the study of herpesvirus biology ACTA VIROLOGICA Volume: 57 Issue: 2 Pages: 149-159 Special Issue: SI, 2013, WOS

ADDA09 BREZINA, Rudolf - SCHRAMKE, Štefan - KAZÁR, Ján. Selection of chlortetracycline-resistant strain of Coxiella burnetii. In *Acta Virologica : international journal*, 1975, vol. 19, no. 6, p. 496. (1975 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Zhang, GQ (Zhang, Guoquan)[1] ; Peng, Y (Peng, Ying)[1] ; Schoenlaub, L (Schoenlaub, Laura)[1] ; Elliott, A (Elliott, Alexandra)[1] ; Mitchell, W (Mitchell, William)[1] ; Zhang, Y (Zhang, Yan)[1] Formalin-Inactivated Coxiella burnetii Phase I Vaccine-Induced Protection Depends on B Cells To Produce Protective IgM and IgG INFECTION AND IMMUNITY Volume: 81 Issue: 6 Pages: 2112-2122, 2013, WOS
2. [1.2] Deng, Y.a , Qu, Z.a, Naqvi, N.I. The role of Snx41-based pexophagy in magnaportha development PLoS ONE Volume 8, Issue 11, November 2013, Article number e79128, SCOPUS

ADDA10 BREZINA, Rudolf - KAZÁR, Ján. STUDY OF THE ANTIGENIC STRUCTURE OF COXIELLA BURNETI. IV. PHAGOCYTOSIS. In *Acta Virologica : international journal*, 1965, vol. 9, p. 268 - 274. ISSN 0001-723X.

Ohlasy:

1. [1.2] Zhang, G. , Peng, Y., Schoenlaub, L., Elliott, A., Mitchell, W., Zhang, Y. Formalin-inactivated coxiella burnetii phase i vaccine-induced protection depends on b cells to produce protective igm and igg Infection and Immunity Volume 81, Issue 6, June 2013, Pages 2112-2122, SCOPUS

ADDA11 BREZINA, Rudolf - ŘEHÁČEK, Josef - ÁČ, P. - MAJERSKÁ, M. Two strains of rickettsiae of Rocky Mountain spotted fever group recovered from Dermacentor marginatus ticks in Czechoslovakia. Results of preliminary serological identification. In *Acta Virologica : international journal*, 1969, vol. 13, no. 2, p. 142 - 145. ISSN 0001-723X.

Ohlasy:

1. [1.2] Špitalská, E.a , Štefanidesová, K.a, Kocianová, E.a, Boldiš, V.b Rickettsia slovaca and Rickettsia raoultii in Dermacentor marginatus and Dermacentor reticulatus ticks from Slovak Republic Experimental and Applied Acarology Volume 57, Issue 2, June 2012, Pages 189-197, SCOPUS
2. [1.2] Sekeyová, Z.a, Mediannikov, O.b, Subramanian, G.b, Kowalczywska, M.b, Queve Do-Diaz, M.a, Kocianová, E.a, Raoult, D. Isolation of Rickettsia helvetica from ticks in Slovakia Acta Virologica Volume 56, Issue 3, 2012, Pages 247-252, SCOPUS
3. [1.2] Sekeyová, Z.a , Socolovschi, C.b, Špitalská, E.a, Kocianová, E.a, Boldiš, V.c, Quevedo Diaz, M.a, Berthová, L.a, Boháčsová, M.a, Valáriková, J.a, Edouard Fournier, P.b, Raoult, D. Update on

Rickettsioses in Slovakia *Acta Virologica* Volume 57, Issue 2, 2013, Pages 180-199, SCOPUS

4. [1.2] Foissac, M., Socolovschi, C., Raoult, D. Update on SENLAT syndrome: Scalp eschar and neck lymph adenopathy after a tick bite *Annales de Dermatologie et de Venereologie* Volume 140, Issue 10, October 2013, Pages 598-609, SCOPUS

ADDA12 ČIPKOVÁ-JARČUŠKOVÁ, J. - CHALUPKOVÁ, A. - HRABOVSKÁ, Z. - WÁGNEROVÁ, Magdaléna - MISTRÍKOVÁ, Jela. Biological and pathogenetic characterization of different isolates of murine gammaherpesvirus /MHV-68/ in context to study of human oncogenic gammaherpesviruses. In *Acta Virologica : international journal*, 2013, vol. 57, no. 2, p. 105-112. (0.759 - IF2012). (2013 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Coen, N (Coen, Natacha)[1] ; Duraffour, S (Duraffour, Sophie)[1] ; Naesens, L (Naesens, Lieve)[1] ; Krecmerova, M (Krecmerova, Marcela)[2] ; Van den Oord, J (Van den Oord, Joost)[3] ; Snoeck, R (Snoeck, Robert)[1] ; Andrei, G Evaluation of Novel Acyclic Nucleoside Phosphonates against Human and Animal Gammaherpesviruses Revealed an Altered Metabolism of Cyclic Prodrugs upon Epstein-Barr Virus Reactivation in P3HR-1 Cells *JOURNAL OF VIROLOGY* Volume: 87 Issue: 22 Pages: 12422-12432 , 2013, WOS
2. [1.1] Russ, Gustav; Kopacek, Juraj Special issue of *Acta virologica* to the 60th anniversary of foundation of the Institute of Virology of the Slovak Academy of Sciences INTRODUCTION ACTA VIROLOGICA Volume: 57 Issue: 2 Special Issue: SI Pages: 88-90 Published: 2013, WOS

ADDA13 EBBESEN, P. - ZACHAR, Vladimír. Oxygen tension and virus replication. In *Acta Virologica : International Journal*. - Bratislava : Virologický ústav SAV, 1957-, 1998, vol. 42, no., p. 417-421. (0.454 - IF1997). (1998 - Current Contents). ISSN 0001-723X. 5020.

Ohlasy:

1. [1.1] Morinet, F (Morinet, Frederic)[1,2] ; Casetti, L (Casetti, Luana)[3] ; Francois, JH (Francois, Jean-Hugues)[3,4,5] ; Capron, C (Capron, Claude)[3,4,5] ; Pillet, S Oxygen tension level and human viral infections *VIROLOGY* Volume: 444 Issue: 1-2 Pages: 31-36, 2013, WOS

ADDA14 ERNEK, E. - KOŽUCH, Otto - LICHARD, M. - NOSEK, Jozef. The role of birds in the circulation of tick-borne encephalitis virus in the Tribec region. In *Acta Virologica : international journal*, 1968, vol. 12, no. 5, p. 468 - 470. ISSN 0001-723X.

Ohlasy:

1. [1.2] Lommano, E., Burri, C., Maeder, G., Guerne, M., Bastic, V., Patalas, E., Gern, L. Prevalence and genotyping of tick-borne encephalitis virus in questing Ixodes ricinus ticks in a new endemic area in Western Switzerland *Journal of Medical Entomology* Volume 49, Issue 1, January 2012, Pages 156-164, SCOPUS
2. [1.2] Dupuis li, A.P.a , Peters, R.J.a , Prusinski, M.A.b , Falco, R.C.c , Ostfeld, R.S.d , Kramer, L.D. Isolation of deer tick virus (Powassan virus, lineage II) from Ixodes scapularis and detection of antibody in vertebrate hosts sampled in the Hudson Valley, New York State *Parasites and Vectors* Volume 6, Issue 1, 2013, Article number 185, SCOPUS

ADDA15 FODOROVÁ, M. - VADOVIČ, Pavol - TOMAN, Rudolf. Structural features of lipid A of *Rickettsia typhi*. In *Acta Virologica : international journal*, 2011, vol. 55, no. 1, p. 31 - 44. (0.547 - IF2010). (2011 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Sekeyova, Z (Sekeyova, Z.)[1] ; Socolovschi, C (Socolovschi, C.)[2] ; Spitalska, E (Spitalska, E.)[1] ; Kocianova, E (Kocianova, E.)[1] ; Boldis, V (Boldis, V.)[3] ; Diaz, MQ (Diaz, M. Quevedo)[1] ; Berthova, L (Berthova, L.)[1] ; Bohacsova, M (Bohacsova, M.)[1] ; Valarikova, J (Valarikova, J.)[1] ; Fournier, PE (Fournier, P. Edouard)[2] ; Raoult, D Update on Rickettsioses in Slovakia ACTA VIROLOGICA Volume: 57 Issue: 2 Pages: 180-199 Special Issue: SI, 2013, WOS

ADDA16 GLASA, Miroslav - LABONNE, G. - QUIOT, J.B. Effect of temperature on plum pox virus infection. In *Acta Virologica : international journal*. - Bratislava : Virologický ústav SAV, 1957-, 2003, vol. 47, no. 1, p. 49-52. (0.660 - IF2002). (2003 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Constable, FE (Constable, F. E.)(1] ; Connellan, J (Connellan, J.)(2] ; Nicholas, P (Nicholas, P.)(3] ; Rodoni, BC (Rodoni, B. C.)(1] The reliability of woody indexing for detection of grapevine virus-associated diseases in three different climatic conditions in Australia AUSTRALIAN JOURNAL OF GRAPE AND WINE RESEARCH Volume: 19 Issue: 1 Pages: 74-80 DOI: 10.1111/j.1755-0238.2012.00204.x Published: 2013, WOS

ADDA17 GOCNÍKOVÁ, Hana - RUSS, Gustáv. Influenza A virus PB1-F2 protein. In *Acta Virologica : international journal*, 2007, vol. 51, no. 1, p. 101-108. (0.788 - IF2006). (2007 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.2] Marie Hardwick, J. , Soane, L. Multiple functions of BCL-2 family proteins Cold Spring Harbor Perspectives in Biology olume 5, Issue 2, February 2013, SCOPUS
2. [1.1] Solbak, S.M.Ø.a, Sharma, A.bc, Bruns, K.bc, Röder, R.cd, Mitzner, D.c, Hahn, F.c, Niebert, R.a, Vedeler, A.e, Henklein, P.d, Henklein, P.d, Schubert, U.c, Wray, V.b, Fossen, T. Influenza A virus protein PB1-F2 from different strains shows distinct structural signatures Biochimica et Biophysica Acta - Proteins and Proteomics Volume 1834, Issue 2, February 2013, Pages 568-582, WOS

ADDA18 PANČUCHÁROVÁ, Hana - RUSS, Gustáv. PB1-F2 gene in influenza a viruses of different hemagglutinin subtype. In *Acta Virologica : international journal*. - Bratislava : Virologický ústav SAV, 1957-, 2006, vol. 50, no.3, p. 269-272. (0.696 - IF2005). (2006 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Ramanunninair, M (Ramanunninair, Manojkumar)(1] ; Le, JH (Le, Jianhua)(1] ; Onodera, S (Onodera, Shiroh)(1] ; Fulvini, AA (Fulvini, Andrew A.)(1] ; Pokorny, BA (Pokorny, Barbara A.)(1] ; Silverman, J (Silverman, Jeanmarie)(1] ; Devis, R (Devis, Rene)(1] ; Arroyo, JM (Arroyo, Jennifer M.)(1] ; He, Y (He, Yu)(1] ; Boyne, A (Boyne, Alex)(2] ; Bera, J (Bera, Jayati)(2] ; Halpin, R (Halpin, Rebecca)(2] ; Hine, E (Hine, Erin)(2] ; Spiro, DJ (Spiro, David J.)(3] ; Bucher, D Molecular Signature of High Yield (Growth) Influenza A Virus Reassortants Prepared as Candidate Vaccine Seeds PLOS ONE Volume: 8 Issue: 6, Article Number: e65955, 2013, WOS
2. [1.1] Solbak, SMO (Solbak, Sara M. O.)(1,2] ; Sharma, A (Sharma, Alok)(3,4] ; Bruns, K (Bruns, Karsten)(3,4] ; Roder, R (Roeder, Rene)(4,5] ; Mitzner, D (Mitzner, David)(4] ; Hahn, F (Hahn, Friedrich)(4] ; Niebert, R (Niebert, Rebekka)(1,2] ; Vedeler, A (Vedeler, Anni)(6] ; Henklein, P (Henklein, Petra)(5] ; Henklein, P (Henklein, Peter)(5] ; Schubert, U (Schubert, Ulrich)(4] ; Wray, V (Wray, Victor)(3] ; Fossen, T Influenza A virus protein PB1-F2 from different strains shows distinct structural signatures BIOCHIMICA ET BIOPHYSICA ACTA-PROTEINS AND PROTEOMICS Volume: 1834 Issue: 2 Pages: 568-582, 2013, WOS
3. [1.1] Amita, M (Amita, Mitsuyoshi)(1,2] ; Adachi, K (Adachi, Katsuyuki)(3] ; Alexenko, AP (Alexenko, Andrei P.)(1,2] ; Sinha, S (Sinha, Sunilima)(1,2] ; Schust, DJ (Schust, Danny J.)(3] ; Schulz, LC (Schulz, Laura C.)(3] ; Roberts, RM (Roberts, R. Michael)(1,2,4] ; Ezashi, T Complete and unidirectional conversion of human embryonic stem cells to trophoblast by BMP4 PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA Volume: 110 Issue: 13 Pages: E1212-E1221 , 2013, WOS

ADDA19 GREŠÍKOVÁ, Milota - WEIDNEROVÁ, K. - NOSEK, Jozef - RAJČÁNI, Július. Experimental pathogenicity of tick-borne encephalitis virus for dogs. In *Acta Virologica : international journal*, 1972, vol. 16, no. 4, p. 336-340. ISSN 0001-723X.

Ohlasy:

1. [1.2] Saenger, K.a , Danner, K.-J.b, Maurer, M.c, Bagó, Z. Tick-borne encephalitis (TBE) in a dog - Case report [FSME bei einem Hund] Praktische Tierarzt Volume 94, Issue 5, 1 May 2013, Pages 392-396, SCOPUS

ADDA20 GREŠÍKOVÁ, Milota - WEIDNEROVA, K. - NOSEK, Jozef - RAJČÁNI, Július. Experimental pathogenicity of tick-borne encephalitis virus for dogs. In *Acta Virologica : international journal*, 1972, vol. 16, no. 4, p. 336 - 340. ISSN 0001-723X.

Ohlasy:

1. [1.2] Saenger, K.a , Danner, K.-J.b, Maurer, M.c, Bagó, Z. Tick-borne encephalitis (TBE) in a dog - Case report [FSME bei einem Hund] *Praktische Tierarzt* olume 94, Issue 5, 1 May 2013, Pages 392-396, SCOPUS

ADDA21 GREŠÍKOVÁ, Milota - RAJČÁNI, Július - SEKEYOVÁ, Magdaléna - BRUMMER-KORVENKONTIO, M. - KOŽUCH, Otto - LABUDA, Milan - TUREK, Rudolf - WEISMANN, Peter - NOSEK, Jozef - LYSÝ, J. Haemorrhagic fever virus with renal syndrome in small rodents in Czechoslovakia. In *Acta Virologica : international journal*, 1984, vol. 28, no. 5, p. 416-421. (0.461 - IF1983). (1984 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.2] Wójcik-Fatla, A.a , Zajac, V.a, Knap, J.P.b, Sroka, J.ac, Cisak, E.a, Sawczyn, A.a, Dutkiewicz, J. A small-scale survey of hantavirus in mammals from eastern Poland *Annals of Agricultural and Environmental Medicine* Volume 20, Issue 2, 2013, Pages 283-286, SCOPUS

ADDA22 GREŠÍKOVÁ, Milota - SEKEYOVÁ, Magdaléna - WEIDNEROVÁ, K. - BLÁŠKOVIČ, Dionýz - STECK, F. - WANDELER, A. Isolation of tick-borne encephalitis virus from the brain of a sick dog in Switzerland. In *Acta Virologica : international journal*, 1972, vol. 16, no. 1, p. 88. ISSN 0001-723X.

Ohlasy:

1. [1.2] Sykes, J.E. Vector-borne and Other Viral Encephalitides (Book Chapter) *Canine and Feline Infectious Diseases* August 2013, Pages 269-277, SCOPUS
2. [1.2] Saenger, K.a , Danner, K.-J.b, Maurer, M.c, Bagó, Z. Tick-borne encephalitis (TBE) in a dog - Case report [FSME bei einem Hund], SCOPUS

ADDA23 GREŠÍKOVÁ, Milota - SEKEYOVÁ, Magdaléna - BRUMMER-KORVENKONTIO, M. - KOŽUCH, Otto - LABUDA, Milan - RAJČÁNI, Július - LYSÝ, Ján. Serological survey with the antigen of haemorrhagic fever virus with renal syndrome in small rodents in Slovakia. In *Acta Virologica*, 1986, vol. 30, no. 2, p. 158-160. (0.649 - IF1985). (1986 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.2] Wójcik-Fatla, A.a , Zajac, V.a, Knap, J.P.b, Sroka, J.ac, Cisak, E.a, Sawczyn, A.a, Dutkiewicz, J. A small-scale survey of hantavirus in mammals from eastern Poland *Annals of Agricultural and Environmental Medicine* Volume 20, Issue 2, 2013, Pages 283-286, SCOPUS

ADDA24 GREŠÍKOVÁ, Milota - NOSEK, Jozef - KOŽUCH, Otto - ERNEK, E. - LICHARD, M. Study on the ecology of TRIBE C Virus. In *Acta Virologica : international journal*, 1965, vol. 9, p. 83 - 88. ISSN 0001-723X.

Ohlasy:

1. [1.2] Hubálek, Z. , Rudolf, I. Tick-borne viruses in Europe *Parasitology Research* Volume 111, Issue 1, July 2012, Pages 9-36, SCOPUS
2. [1.2] Dilcher, M.a , Hasib, L.a, Lechner, M.b, Wieseke, N.c, Middendorf, M.c, Marz, M.b, Koch, A.a, Spiegel, M.a, Dobler, G.d, Hufert, F.T.a, Weidmann, M.a Genetic characterization of Tribeč virus and Kemerovo virus, two tick-transmitted human-pathogenic Orbiviruses *Virology* Volume 423, Issue 1, 5 February 2012, Pages 68-76, SCOPUS

ADDA25 GRONESOVÁ, Paulína - MIŽÁKOVÁ, A. - BETÁKOVÁ, Tatiana. Determination of hemmagglutinin and neuraminidase subtypes of avian influenza A viruses in urban pigeons by a new nested RT-PCR. In *Acta Virologica : international journal*, 2009, vol. 53, no.3, p. 213 - 216. (0.810 - IF2008). (2009 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.2] Teske, L., Ryll, M., Rautenschlein, S. Epidemiological investigations on the role of clinically healthy racing pigeons as a reservoir for avian paramyxovirus-1 and avian influenza virus *Avian Pathology* 42 (6) , pp. 557-565 , 2013, SCOPUS

2. [1.1] Phan, T.G., Vo, N.P., Boros, Á., Pankovics, P., Reuter, G., Li, O.T.W., Wang, C., Deng, X., Poon, L.L.M., Delwart, E. The Viruses of Wild Pigeon Droppings PLoS ONE Volume 8, Issue 9, 4 September 2013, Article number e72787, WOS

ADDA26 HAVLÍKOVÁ, Sabina - LIČKOVÁ, Martina - KLEMPA, Boris. Non-viraemic transmission of tick-borne viruses. In *Acta Virologica : international journal*, 2013, vol. 57, no. 2, p. 123-129. (0.759 - IF2012). (2013 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Russ, Gustav; Kopacek, Juraj Special issue of Acta virologica to the 60th anniversary of foundation of the Institute of Virology of the Slovak Academy of Sciences INTRODUCTION ACTA VIROLOGICA Volume: 57 Issue: 2 Special Issue: SI Pages: 88-90 Published: 2013, WOS

ADDA27 HUDECOVÁ, Soňa - LENČEŠOVÁ, Ľubomíra - CSÁDEROVÁ, Lucia - ŠÍROVÁ, Marta - CHOLUJOVÁ, Dana - CAGALA, Martin - KOPÁČEK, Juraj - DOBROTA, Dušan - PASTOREKOVÁ, Silvia - KRIŽANOVÁ, Oľga. Chemically mimicked hypoxia modulates gene expression and protein levels of the sodium calcium exchanger in HEK 293 cell line via HIF-1 alpha. In *General Physiology and Biophysics*, 2011, vol. 30, p. 196 - 206. (1.146 - IF2010). (2011 - Current Contents). ISSN 0231-5882.

Ohlasy:

1. [1.1] Wu, CT (Wu, Chengtie)[1] ; Zhou, YH (Zhou, Yinghong)[2] ; Chang, J (Chang, Jiang)[1] ; Xiao, Y Delivery of dimethyloxallyl glycine in mesoporous bioactive glass scaffolds to improve angiogenesis and osteogenesis of human bone marrow stromal cells ACTA BIOMATERIALIA Volume: 9 Issue: 11 Pages: 9159-9168, 2013, WOS
2. [1.1] Hashim, NFM (Hashim, Nur Fariesha Md)[1,3] ; Nicholas, NS (Nicholas, Nicole S.)([1] ; Dart, AE (Dart, Anna E.)([1] ; Kiriakidis, S (Kiriakidis, Serafim)([2] ; Paleolog, E (Paleolog, Ewa)([2] ; Wells, CM Hypoxia-induced invadopodia formation: a role for beta-PIX OPEN BIOLOGY Volume: 3 Issue: 6, Article Number: 120159, 2013, WOS

ADDA28 HUDECOVÁ, Soňa - LENČEŠOVÁ, Ľubomíra - CSÁDEROVÁ, Lucia - SEDLÁK, Ján - BOHÁČOVÁ, Viera - LAUKOVÁ, Marcela - KRIŽANOVÁ, Oľga. Isoproterenol accelerates apoptosis through the over-expression of the sodium/calcium exchanger in HeLa cells. In *General Physiology and Biophysics*, 2013, vol. 32, p. 311 - 323. (0.852 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0231-5882.

Ohlasy:

1. [1.1] ZHANG, Wei-guang - CHEN, Lin - DONG, Qin - HE, Juan - ZHAO, Han-dong - LI, Feng-lan - LI, Hui. mmu-miR-702 functions as an anti-apoptotic mirtron by mediating ATF6 inhibition in mice. In GENE. ISSN 0378-1119, 2013, vol. 531, no. 2, pp. 235-242., WOS

ADDA29 HUNÁKOVÁ, Ľubica - BOĎO, Juraj - CHOVANCOVÁ, J. - ŠULÍKOVÁ, Margita - PASTOREKOVÁ, Silvia. Expression of new prognostic markers, peripheral-type benzodiazepine receptor and carbonic anhydrase IX, in human breast and ovarian carcinoma cell lines. In *Neoplasma*, 2007, vol. 54, no. 6, p. 541-548. (1.247 - IF2006). (2007 - Current Contents). ISSN 0028-2685.

Ohlasy:

1. [1.2] Vasdev, N.ab , Green, D.E.c, Vines, D.C.cd, McLarty, K.e, McCormick, P.N.ab, Moran, M.D.ab, Houle, S.ab, Wilson, A.A.ab, Reilly, R.M. Positron-emission tomography imaging of the TSPO with [18F]FEPPA in a preclinical breast cancer model Cancer Biotherapy and Radiopharmaceuticals Volume 28, Issue 3, 1 April 2013, Pages 254-259, SCOPUS

ADDA30 CHEN, X.L. - ZACHAR, Vladimír - CHANG, C.S. - EBBESEN, P. - LIU, X.D. Differential expression of Nur77 family members in human T-lymphotropic virus type 1-infected cells: Transactivation of the TR3/nur77 gene by tax protein. In *Journal of Virology*, 1998, vol. 72, no. 8, p. 6902 - 6906. (5.821 - IF1997). (1998 - Current Contents). ISSN 0022-538X.

Ohlasy:

1. [1.1] Kim, SG (Kim, Sun-Gyun)[1] ; Lee, B (Lee, Bora)[1,2] ; Kim, DH (Kim, Dae-Hwan)[1] ; Kim, J (Kim, Juhee)[1] ; Lee, S (Lee, Seunghee)[4,5] ; Lee, SK (Lee, Soo-Kyung)[1,2,3] ; Lee, JW Control of Energy Balance by Hypothalamic Gene Circuitry Involving Two Nuclear Receptors, Neuron-Derived

Orphan Receptor 1 and Glucocorticoid Receptor MOLECULAR AND CELLULAR BIOLOGY Volume: 33
Issue: 19 Pages: 3826-3834 , 2013, WOS

ADDA31 CHRASTINA, A. - PASTOREKOVÁ, Silvia - PASTOREK, Jaromír. Immunotargeting of human cervical carcinoma xenograft expressing CA IX tumor-associated antigen by 125I-labeled M75 monoclonal antibody. In *Neoplasma*. - Bratislava : Ústav experimentálnej onkológie SAV, 1954-, 2003, vol. 50, p. 13-21. (0.679 - IF2002). (2003 - Current Contents). ISSN 0028-2685.

Ohlasy:

1. [1.1] Cai, Jiong; Li, Fang Single-photon Emission Computed Tomography Tracers for Predicting and Monitoring Cancer Therapy CURRENT PHARMACEUTICAL BIOTECHNOLOGY Volume: 14 Issue: 7 Pages: 693-707 Published: OCT 2013, WOS
2. [1.1] Lu, GL (Lu, Genliang)[1] ; Hillier, SM (Hillier, Shawn M.)[1] ; Maresca, KP (Maresca, Kevin P.)[1] ; Zimmerman, CN (Zimmerman, Craig N.)[1] ; Eckelman, WC (Eckelman, William C.)[1] ; Joyal, JL (Joyal, John L.)[1] ; Babich, JW Synthesis and SAR of Novel Re/Tc-99m-Labeled Benzenesulfonamide Carbonic Anhydrase IX Inhibitors for Molecular Imaging of Tumor Hypoxia JOURNAL OF MEDICINAL CHEMISTRY Volume: 56 Issue: 2 Pages: 510-520, 2013, WOS

ADDA32 IHNATKO, Róbert - KUBEŠ, Miroslav. TNF signaling: early events and phosphorylation. In *General physiology and biophysics : international journal*, 2007, vol. 26, p. 159-167. (0.771 - IF2006). (2007 - Current Contents). ISSN 0231-5882.

Ohlasy:

1. [1.1] Deng, FY (Deng, Fei-Yan)[1,2,3] ; Tan, LJ (Tan, Li-Jun)[2,3,4] ; Shen, H (Shen, Hui)[2,3] ; Liu, YJ (Liu, Yong-Jun)[2,3] ; Liu, YZ (Liu, Yao-Zhong)[2,3] ; Li, J (Li, Jian)[2,3] ; Zhu, XZ (Zhu, Xue-Zhen)[5] ; Chen, XD (Chen, Xiang-Ding)[4] ; Tian, Q (Tian, Qing)[2,3] ; Zhao, M (Zhao, Ming)[2,3] ; Deng, HW (Deng, Hong-Wen) SNP rs6265 Regulates Protein Phosphorylation and Osteoblast Differentiation and Influences BMD in Humans JOURNAL OF BONE AND MINERAL RESEARCH Volume: 28 Issue: 12 Pages: 2498-2507 , 2013, WOS
2. [1.1] Lou, JS (Lou, Jin-Shu)[1] ; Chen, XE (Chen, Xiao-E)[2] ; Zhang, Y (Zhang, Yan)[1] ; Gao, ZW (Gao, Zuo-Wen)[1] ; Chen, TP (Chen, Tai-Ping)[1] ; Zhang, GQ (Zhang, Guo-Qiang)[1] ; Ji, C (Ji, Chang)[1] Photoprotective and immunoregulatory capacity of ginsenoside Rg1 in chronic ultraviolet B-irradiated BALB/c mouse skin EXPERIMENTAL AND THERAPEUTIC MEDICINE Volume: 6 Issue: 4 Pages: 1022-1028 , 2013, WOS
3. [1.2] Spang, C.a , Alfredson, H.b , Forsgren, S. icSPORTS 2013 - Proceedings of the International Congress on Sports Science Research and Technology Support Achilles tendinopathy is a troublesome sports-related condition involving blood vessel ingrowth into the tendon tissue studies on the adjacent plantaris tendon and the peritendinous connective tissue suggest that tnfr-alpha can be highly involved in the vascular and tissue changes 2013, Pages 45-50, SCOPUS
4. [1.1] Woclawek-Potocka, I (Woclawek-Potocka, Izabela)[1] ; Kowalczyk-Zieba, I (Kowalczyk-Zieba, Ilona)[1] ; Tylingo, M (Tylingo, Monika)[1] ; Boruszewska, D (Boruszewska, Dorota)[1] ; Sinderewicz, E (Sinderewicz, Emilia)[1] ; Skarzynski, DJ (Skarzynski, Dariusz Jan)[1] Effects of lysophosphatidic acid on tumor necrosis factor alpha and interferon gamma action in the bovine corpus luteum MOLECULAR AND CELLULAR ENDOCRINOLOGY Volume: 377 Issue: 1-2 Pages: 103-111, 2013, WOS
5. [1.1] Zelova, Hana; Hosek, Jan TNF-alpha signalling and inflammation: interactions between old acquaintances INFLAMMATION RESEARCH Volume: 62 Issue: 7 Pages: 641-651 Published: JUL 2013, WOS
6. [1.1] Draca, N (Draca, Natasa)[1] ; Lazic, R (Lazic, Ratimir)[1] ; Simic, P (Simic, Petra)[2] ; Dumic-Cule, I (Dumic-Cule, Ivo)[3] ; Luetic, AT (Luetic, Ana Tikvica)[4] ; Gabric, N (Gabric, Nikica) Potential beneficial role of sevelamer hydrochloride in diabetic retinopathy MEDICAL HYPOTHESES Volume: 80 Issue: 4 Pages: 431-435, 2013, WOS

ADDA33 STRNISKOVÁ, Monika - RAVINGEROVÁ, Táňa - NECKÁŘ, Jan - PASTOREKOVÁ, Silvia - BARANČÍK, Miroslav. Changes in the expression and/or activation of regulatory proteins in rat hearts

adapted to chronic hypoxia. In *General Physiology and Biophysics*, 2006, vol. 25, no. 1, p. 25-41. (0.560 - IF2005). (2006 - Current Contents). ISSN 0231-5882.

Ohlasy:

1. [1.1] Guo, XL (Guo Xue-ling)[1] ; Deng, Y (Deng Yan)[1] ; Shang, J (Shang Jin)[1] ; Liu, K (Liu Kui)[1] ; Xu, YJ (Xu Yong-jian)[1] ; Liu, HG ERK signaling mediates enhanced angiotensin II-induced rat aortic constriction following chronic intermittent hypoxia CHINESE MEDICAL JOURNAL Volume: 126 Issue: 17 Pages: 3251-3258, 2013, WOS
2. [1.1] Voelkel, NF (Voelkel, Norbert F.)[1] ; Quaife, RA (Quaife, Robert A.)[2] ; Leinwand, LA (Leinwand, Leslie A.)[3] ; Barst, RJ (Barst, Robyn J.)[4] ; McGoon, MD (McGoon, Michael D.)[5] ; Meldrum, DR (Meldrum, Daniel R.)[6] ; Dupuis, J (Dupuis, Jocelyn)[7] ; Long, CS (Long, Carlin S.)[8] ; Rubin, LJ (Rubin, Lewis J.)[9] ; Smart, FW (Smart, Frank W.)[10] ; Suzuki, YJ (Suzuki, Yuichiro J.)[11] ; Gladwin, M (Gladwin, Mark)[12] ; Denholm, EM (Denholm, Elizabeth M.)[12] ; Gail, DB Right Ventricular Function and Failure Report of a National Heart, Lung, and Blood Institute Working Group on Cellular and Molecular Mechanisms of Right Heart Failure CLINICAL CANCER RESEARCH Volume: 19 Issue: 6, 2013, WOS

ADDA34 JANULÍKOVÁ, Jana - STANEKOVÁ, Zuzana - MUCHA, Vojtech - KOSTOLANSKÝ, František - VAREČKOVÁ, Eva. Two distinct regions of HA2 glycopolypeptide of influenza virus hemagglutinin elicit cross-protective immunity against influenza. In *Acta Virologica : international journal*, 2012, vol. 56, no. 3, p. 169 - 176. (0.682 - IF2011). (2012 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Dumard, CH (Dumard, Carlos H.)[1,2] ; Barroso, SPC (Barroso, Shana P. C.)[1,2] ; de Oliveira, GAP (de Oliveira, Guilherme A. P.)[1,2] ; Carvalho, CAM (Carvalho, Carlos A. M.)[1,2] ; Gomes, AMO (Gomes, Andre M. O.)[1,2] ; Couceiro, JNSS (Couceiro, Jose Nelson S. S.)[3] ; Ferreira, DF (Ferreira, Davis F.)[3] ; Nico, D (Nico, Dirlei)[3] ; Oliveira, AC (Oliveira, Andrea C.)[1,2] ; Silva, JL (Silva, Jerson L.)[1,2] ; Santos, PS Full Inactivation of Human Influenza Virus by High Hydrostatic Pressure Preserves Virus Structure and Membrane Fusion While Conferring Protection to Mice against Infection PLOS ONE Volume: 8 Issue: 11, Article Number: e80785, 2013, WOS
2. [1.1] Terajima, M (Terajima, Masanori)[1] ; Babon, JAB (Babon, Jenny Aurielle B.)[2] ; Co, MDT (Co, Mary Dawn T.)[1] ; Ennis, FA (Ennis, Francis A.)[1] Cross-reactive human B cell and T cell epitopes between influenza A and B viruses VIROLOGY JOURNAL Volume: 10, Article Number: 244, 2013, WOS
3. [1.1] Cheng, P.-F. , Ma, L.-J., Wang, Y.-X., Yang, F.-R. Stability of influenza virus strain for production of cleavage vaccine during subculture Chinese Journal of Biologicals Volume 26, Issue 12, 20 December 2013, Pages 1715-1718+1724, SCOPUS

ADDA35 KALUZ, Štefan - KABÁT, Peter - GIBADULINOVÁ, Adriana - VOJTAŠÁK, J. - FUCHSBERGER, Norbert - KONTSEK, Peter. Interferon alpha 2b in the predominant subvariant detected in human genomic DNAs. In *Acta Virologica*, 1994, vol. 38, p. 101-104. (0.205 - IF1993). (1994 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Li, H (Li, Hui)[1] ; Liu, QY (Liu, Qingyou)[1] ; Cui, KQ (Cui, Kuiqing)[1] ; Liu, JF (Liu, Jinfeng)[1] ; Ren, YP (Ren, Yanping)[1] ; Shi, DS (Shi, Deshun)[1] Expression of biologically active human interferon alpha 2b in the milk of transgenic mice TRANSGENIC RESEARCH Volume: 22 Issue: 1 Pages: 169-178 DOI: 10.1007/s11248-012-9623-1 Published: FEB 2013, WOS
2. [1.1] Li, H.ab, Li, X.b, Liu, Q.b, Shi, Z.a, Shi, D. Expression of biologically active human recombinant interferon alpha 2b in human breast cancer cell line Bcap-37 Applied Biochemistry and Biotechnology Volume 171, Issue 6, November 2013, Pages 1535-1544, SCOPUS

ADDA36 KAZÁR, Ján - LESNÝ, M. - PROPPER, P. - VALKOVÁ, Dana - BREZINA, Rudolf. Comparison of virulence for guinea pigs and mice of different Coxiella phase strain. In *Acta Virologica*, 1993, vol. 37, no. 6, p. 437-448. (0.275 - IF1992). (1993 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Mori, M (Mori, Marcella)[1] ; Boarbi, S (Boarbi, Samira)[1] ; Michel, P (Michel, Patrick)[1]

- ; Bakinahe, R (Bakinahe, Raissa)[1] ; Rits, K (Rits, Katleen)[1] ; Wattiau, P (Wattiau, Pierre)[2] ; Fretin, D In Vitro and In Vivo Infectious Potential of Coxiella burnetii: A Study on Belgian Livestock Isolates PLOS ONE Volume: 8 Issue: 6 , Article Number: e67622, 2013, WOS
2. [1.2] Bewley, K.R. Animal models of Q fever (Coxiella burnetii) Comparative Medicine Volume 63, Issue 6, December 2013, Pages 469-476, SCOPUS

ADDA37 KAZÁR, Ján - ŠKULTÉTYOVÁ, E. - BREZINA, Rudolf. Phagocytosis of Coxiella burnetii by macrophages. In *Acta Virologica : international journal*, 1975, vol. 19, no. 5, p. 426-431. (1975 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.2] Zhang, G. , Peng, Y., Schoenlaub, L., Elliott, A., Mitchell, W., Zhang, Y. Formalin-inactivated coxiella burnetii phase i vaccine-induced protection depends on b cells to produce protective igm and igg Infection and Immunity Volume 81, Issue 6, June 2013, Pages 2112-2122, SCOPUS

ADDA38 KIRÁLY, J. - VAREČKOVÁ, Eva - MUCHA, Vojtech - KOSTOLANSKÝ, František. Evaluation of anti-influenza efficiency of polyclonal IgG antibodies to the ectodomain of M2 protein of influenza A virus by passive immunization of mice. In *Acta Virologica : international journal*, 2011, vol. 55, no.3, p. 261 - 266. (0.547 - IF2010). (2011 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Pohanka, Miroslav HI-6 modulates immunization efficacy in a BALB/c mouse model ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY Volume: 36 Issue: 3 Pages: 801-806 Published: NOV 2013, WOS
2. [1.1] Dolashka, P.; Voelter, W Antiviral activity of hemocyanins SJ-INVERTEBRATE SURVIVAL JOURNAL Volume: 10 Issue: 1 Pages: 120-127 Published: 2013, WOS

ADDA39 KLEMPA, Boris - RADOSA, Lukáš - KRÜGER, D.H. The broad spectrum of hantaviruses and their hosts in Central Europe. In *Acta Virologica : international journal*, 2013, vol. 57, no. 2, p. 130-137. (0.759 - IF2012). (2013 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Russ, Gustav; Kopacek, Juraj Special issue of Acta virologica to the 60th anniversary of foundation of the Institute of Virology of the Slovak Academy of Sciences INTRODUCTION ACTA VIROLOGICA Volume: 57 Issue: 2 Special Issue: SI Pages: 88-90 Published: 2013, WOS

ADDA40 KOCIANOVÁ, Elena. Gnezdovye ekotoparazity (gamazovye kleshchi) kak perenoschiki rikketsii v eksperimente. In *Trudy Instituta Imeni Pastera*, 1989, vol. 66, p. 89 - 94.

Ohlasy:

1. [1.2] Netušil, J.a, Žákovská, A.a, Vostal, K.a , Norek, A.a, Stanko, M. The occurrence of Borrelia burgdorferi sensu lato in certain ectoparasites (Mesostigmata, Siphonaptera) of Apodemus flavicollis and Myodes glareolus in chosen localities in the Czech Republic Acta Parasitologica Volume 58, Issue 3, September 2013, Pages 337-341, SCOPUS

ADDA41 KOLLEROVÁ, Edita - BETÁKOVÁ, Tatiana. Influence of extracellular and cytoplasmic domains of M2 proton channel of Influenza A virus its activity. In *Acta Virologica : international journal*, 2007, vol. 51, no. 2, p. 119-124. (0.788 - IF2006). (2007 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Hemmatzadeh, F., Sumarningsih, S., Tarigan, S., Indriani, R., Dharmayanti, N.L.P.I., Ebrahimie, E., Igniatovic, J. Recombinant M2e Protein-Based ELISA: A Novel and Inexpensive Approach for Differentiating Avian Influenza Infected Chickens from Vaccinated Ones PLoS ONE 8 (2) , art. no. e56801, 2013, WOS

ADDA42 KOLLEROVÁ, Edita - BETÁKOVÁ, Tatiana. Influenza viruses and their ion channels. In *Acta Virologica : international journal*. - Bratislava : Virologický ústav SAV, 1957-, 2006, vol. 50, no. 1, p. 7-16 Review. (0.696 - IF2005). (2006 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.2] Dura, S.N.T., Zarubaev, V.V., Anfimov, P.M., Kiselev, O.I. Deitiforine, an antiinfluenza chemotherapeutic Antibiotiki i Khimioterapiya 58 (1-2) , pp. 36-48 ,2013, SCOPUS
2. [1.1] Tandura, S. N.; Zarubaev, V. V.; Anfimov, P. M.; Kiselev, O. I. Deitiforine, an Antiinfluenza Chemotherapeutic Antibiotiki i Khimioterapiya Volume:58 Issue:1-2 Pages:36-48, 2013, WOS

ADDA43 KOMÍNEK, P. - KOMÍNKOVÁ, M. - GLASA, Miroslav. Analysis of multiple virus-infected grapevine plant reveals persistence but uneven virus distribution. In *Acta Virologica : international journal*, 2009, vol. 53, no. 4, p. 281 - 285. (0.810 - IF2008). (2009 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.2] Esteves, F., Teixeira Santos, M., Eiras-Dias, J.E., Fonseca, F. Molecular data mining to improve antibody-based detection of Grapevine leafroll-associated virus 1 (GLRaV-1) *Journal of Virological Methods* 194 (1-2) , pp. 258-270, 2013, SCOPUS

ADDA44 KOPÁČEK, Juraj - ROSS, L.J.N. - ZELNÍK, Vladimír - PASTOREK, Jaromír. The 132 bp repeats are present in RNA transcripts from 1.8 kb gene family of Marek disease virus-transformed cells. In *Acta Virologica*, 1993, vol. 37, p. 191-195. (0.275 - IF1992). (1993 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.2] Tahiri-Alaoui, A. , Smith, L.P., Kgosana, L., Petherbridge, L.J., Nair, V. Identification of a neurovirulence factor from Marek's disease virus *Avian Diseases* Volume 57, Issue 2 SUPPL. 1, June 2013, Pages 387-394, SCOPUS

ADDA45 KOSTOLANSKÝ, František - MUCHA, Vojtech - SLOVÁKOVÁ, R. - VAREČKOVÁ, Eva. Natural influenza A infection of mice elicits strong antibody response to HA2 glycopolyptide. In *Acta Virologica : international journal*. - Bratislava : Virologický ústav SAV, 1957-, 2002, vol. 46, no. 4, p.229-236. (0.644 - IF2001). (2002 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Pan, WL (Pan, Wan-Long)[1,2] ; Hu, JL (Hu, Jie-Li)[1] ; Fang, Y (Fang, Yan)[3] ; Luo, Q (Luo, Qiang)[1] ; Xu, G (Xu, Ge)[1] ; Xu, L (Xu, Lei)[1] ; Jing, ZH (Jing, Zhou-Hong)[4] ; Shan, XF (Shan, Xue-Feng)[1] ; Zhu, YL (Zhu, Yan-Ling)[5] ; Huang, AL Allele-specific polymerase chain reaction for detection of a mutation in the relax circular DNA and the covalently closed circular DNA of hepatitis B virus *JOURNAL OF VIROLOGICAL METHODS* Volume: 194 Issue: 1-2 Pages: 277-288 2013, WOS
2. [1.2] Lee, J.-S.a, Chowdhury, M.Y.E.a , Moon, H.-J.a, Choi, Y.-K.b, Talactac, M.R.a, Kim, J.-H.a, Park, M.-E.a, Son, H.-Y.a, Shin, K.-S.a, Kim, C.-J. The highly conserved HA2 protein of the influenza A virus induces a cross protective immune response *Journal of Virological Methods* Volume 194, Issue 1-2, December 2013, Pages 280-288, SCOPUS

ADDA46 KOŠÍK, Ivan - KREJNUSOVÁ, Ingrid - BYSTRICKÁ, Magda - POLÁKOVÁ, Katarína - RUSS, Gustáv. N-terminal region of the PB1-F2 protein is responsible for increased expression of influenza A viral protein PB1. In *Acta Virologica : international journal*, 2011, vol. 55, no. 1, p. 45-53. (0.547 - IF2010). (2011 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Chakrabarti, Alok K.; Pasricha, Gunisha An insight into the PB1F2 protein and its multifunctional role in enhancing the pathogenicity of the influenza A viruses *VIROLOGY* Volume: 440 Issue: 2 Pages: 97-104 Published: JUN 5 2013, WOS
2. [1.1] Solbak, SMO (Solbak, Sara M. O.)[1,2] ; Sharma, A (Sharma, Alok)[3,4] ; Bruns, K (Bruns, Karsten)[3,4] ; Roder, R (Roeder, Rene)[4,5] ; Mitzner, D (Mitzner, David)[4] ; Hahn, F (Hahn, Friedrich)[4] ; Niebert, R (Niebert, Rebekka)[1,2] ; Vedeler, A (Vedeler, Anni)[6] ; Henklein, P (Henklein, Petra)[5] ; Henklein, P (Henklein, Peter)[5] ; Schubert, U (Schubert, Ulrich)[4] ; Wray, V (Wray, Victor)[3] ; Fossen, T Influenza A virus protein PB1-F2 from different strains shows distinct structural signatures *BIOCHIMICA ET BIOPHYSICA ACTA-PROTEINS AND PROTEOMICS* Volume: 1834 Issue: 2 Pages: 568-582, 2013, WOS
3. [1.2] Pasricha, G., Mishra, A.C., Chakrabarti, A.K. Comprehensive global amino acid sequence analysis of PB1F2 protein of influenza A H5N1 viruses and the influenza A virus subtypes responsible

for the 20th-century pandemics Influenza and other Respiratory Viruses Volume 7, Issue 4, July 2013, Pages 497-505, SCOPUS

ADDA47 KOVÁČOVÁ, Elena - KAZÁR, Ján. Q fever - still a query and underestimated infectious disease. In *Acta Virologica : international journal*. - Bratislava : Virologický ústav SAV, 1957-, 2003, vol. 46, p. 193-210. (0.660 - IF2002). (2003 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Almogren, A (Almogren, Adel)[1] ; Shakoor, Z (Shakoor, Zahid)[1] ; Hasanato, R (Hasanato, Rana)[1] ; Adam, MH Q fever: a neglected zoonosis in Saudi Arabia ANNALS OF SAUDI MEDICINE Volume: 33 Issue: 5 Pages: 464-468, 2013, WOS

ADDA48 KOŽUCH, Otto - CHUNIKHIN, S.P. - GREŠÍKOVÁ, Milota - NOSEK, Jozef - KURENKOV, V.B. - LYSÝ, J. Experimental characteristics of viraemia caused by two strains of tick-borne encephalitis virus in small rodents. In *Acta Virologica : international journal*, 1981, vol. 25, no. 4, p. 219-224. (0.601 - IF1980). (1981 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.2] Knap, N., Avšič-Županc, T Correlation of TBE Incidence with Red Deer and Roe Deer Abundance in Slovenia PLoS ONE Volume 8, Issue 6, 11 June 2013, Article number e66380, SCOPUS

ADDA49 KOŽUCH, Otto - REICHEL, M. - LEŠŠO, Jozef - REMEŇOVÁ, A. - LABUDA, Milan - LYSÝ, J. - MISTRÍKOVÁ, Jela. Further isolation of murine herpesviruses from small mammals in Southern Slovakia. In *Acta Virologica*, 1993, vol. 37, no. 1, p. 101-105. (0.275 - IF1992). (1993 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Kudelova, M (Kudelova, M.)[1] ; Belvoncikova, P (Belvoncikova, P.)[1] ; Halasova, Z (Halasova, Z.)[1] ; Kosovsky, J (Kosovsky, J.)[1] ; Lapunikova, B (Lapunikova, B.)[2] ; Pancik, P (Pancik, P.)[1] ; Rezuchova, I (Rezuchova, I.)[1] ; Supolikova, M (Supolikova, M.)[2] ; Zelnik, V Recombinant herpesviruses as tools for the study of herpesvirus biology ACTA VIROLOGICA Volume: 57 Issue: 2 Pages: 149-159 Special Issue: SI, 2013, WOS

ADDA50 KOŽUCH, Otto - LABUDA, Milan - NOSEK, Jozef. Isolation of sindbis virus from the frog *Rana ridibunda*. In *Acta Virologica : international journal*, 1978, vol. 22, no. 1, p. 78. (0.640 - IF1977). (1978 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.2] Sekeyová, Z.a, Mediannikov, O.b, Roux, V.b, Subramanian, G.b, Špitalská, E.a, Kristofík, J.c, Darolová, A.c, Raoult, D. Identification of rickettsia africae and Wolbachia sp. in Ceratophyllus garei fleas from passerine birds migrated from Africa Vector-Borne and Zoonotic Diseases Volume 12, Issue 7, 1 July 2012, Pages 539-543, SCOPUS

ADDA51 KOŽUCH, Otto - GRULICH, I. - NOSEK, Jozef - ALBRECHT, P. Isolation of tick-borne encephalitis virus from the blood of the mole (*Talpa europaea*) in a natural focus of infection. In *Acta Virologica : international journal*, 1966, vol. 10, no. 1, p. 84. ISSN 0001-723X.

Ohlasy:

1. [1.2] Silaghi, C.a , Woll, D.b , Hamel, D.a , Pfister, K.a , Mahling, M.c , Pfeffer, M. Babesia spp. and Anaplasma phagocytophilum in questing ticks, ticks parasitizing rodents and the parasitized rodents - Analyzing the host-pathogen-vector interface in a metropolitan area Parasites and Vectors Volume 5, Issue 1, 2012, Article number 191, SCOPUS
2. [1.2] Hubálek, Z. , Rudolf, I. Tick-borne viruses in Europe Parasitology Research Volume 111, Issue 1, July 2012, Pages 9-36, SCOPUS

ADDA52 KOŽUCH, Otto - LABUDA, Milan - LYSÝ, J. - WEISMANN, Peter - KRIPPEL, Eduard. Longitudinal study of natural foci of central european encephalitis virus in west Slovakia. In *Acta Virologica*, 1990, vol. 34, no. 6, p. 537-544. (1990 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] KATARGINA, Olga - RUSSAKOVA, Stanislava - GELLER, Julia - KONDRUSIK, Macije - ZAJKOWSKA, Joanna - ZYGUTIE, Milda - BORMANE, Antra - TROFIMOVA, Julia - GOLOVLJOVA, Irina. Detection and Characterization of Tick-Borne Encephalitis Virus in Baltic Countries and Eastern Poland. In PLOS ONE. ISSN 1932-6203, 2013, vol. 8, no. 5, e61374., WOS
2. [1.1] TONTERI, Elina - KIPAR, Anja - VOUTILAINEN, Liina - VENE, Sirkka - VAHERI, Antti - VAPALAHTI, Olli - LUNDKVIST, Ake. The Three Subtypes of Tick-Borne Encephalitis Virus Induce Encephalitis in a Natural Host, the Bank Vole (*Myodes glareolus*). In PLOS ONE. ISSN 1932-6203, 2013, vol. 8, no. 12, e81214., WOS

ADDA53 KOŽUCH, Otto - NOSEK, Josef - ERNEK, E. - LICHARD, M. - ALBRECHT, P. PERSISTENCE OF TICK-BORNE ENCEPHALITIS VIRUS IN HIBERNATING HEDGEHOGS. In *Acta Virologica : international journal*, 1963, vol. 7, p. 430-433. ISSN 0001-723X.

Ohlasy:

1. [1.2] Hubálek, Z. , Rudolf, I. Tick-borne viruses in Europe Parasitology Research Volume 111, Issue 1, July 2012, Pages 9-36, SCOPUS
2. [1.2] Knap, N.a, Korva, M.a, Dolinšek, V.a, Sekirnik, M.a, Trilar, T.b, Avšič-Županc, T. Patterns of tick-borne encephalitis virus infection in rodents in Slovenia Vector-Borne and Zoonotic Diseases Volume 12, Issue 3, 1 March 2012, Pages 236-242, SCOPUS

ADDA54 KOŽUCH, Otto - NOSEK, Jozef. Transmission of tick-borne encephalitis (TBE) virus by *Dermacentor marginatus* and *D. reticulatus* ticks. In *Acta Virologica : international journal*, 1971, vol. 15, no. 4, p. 334. ISSN 0001-723X.

Ohlasy:

1. [1.2] Hubálek, Z. , Rudolf, I. Tick-borne viruses in Europe Parasitology Research Volume 111, Issue 1, July 2012, Pages 9-36, SCOPUS
2. [1.2] Petney, T.N. , Pfäffle, M.P., Skuballa, J.D. An annotated checklist of the ticks (Acari: Ixodida) of Germany Systematic and Applied Acarology Volume 17, Issue 2, 25 June 2012, Pages 115-170, SCOPUS

ADDA55 KOŽUCH, Otto - RAJČÁNI, Július - SEKEYOVÁ, Magdaléna - NOSEK, Jozef. Uukuniemi virus in small rodents. In *Acta Virologica : international journal*, 1970, vol. 14, no. 2, p. 163 - 166. ISSN 0001-723X.

Ohlasy:

1. [1.2] Hubálek, Z. , Rudolf, I. Tick-borne viruses in Europe Parasitology Research Volume 111, Issue 1, July 2012, Pages 9-36, SCOPUS

ADDA56 KÚDELA, Otakar - GALLO, Ján. Characterization of alfalfa mosaic virus strain T6. In *Acta Virologica*, 1995, vol. 39, p. 131-135. (0.347 - IF1994). (1995 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.2] Al-Saleh, M.A., Amer, M.A. Biological and molecular variability of Alfalfa mosaic virus affecting alfalfa crop in Riyadh region Plant Pathology Journal Volume 29, Issue 4, 2013, Pages 410-417, SCOPUS

ADDA57 KÚDELOVÁ, Marcela - HALÁSOVÁ, Zuzana - BELVONČÍKOVÁ, Petra - PANČÍK, Peter - REŽUCHOVÁ, Ingeborg - VALOVIČOVÁ, M.. Partial genome analysis of murine gammaherpesvirus 4556. In *Acta Virologica : international journal*, 2012, vol. 55, no. 3, p. 177 - 186. (0.682 - IF2011). (2012 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Tiwari, P., Dwivedi, S., Singh, M.P., Mishra, R., Chandy, A. Basic and modern concepts on cholinergic receptor: A review. Asian Pacific Journal of Tropical Disease 3 (5) , pp. 413-420, 2013., WOS

ADDA58 KÚDELOVÁ, Marcela - BELVONČÍKOVÁ, Petra - HALÁSOVÁ, Zuzana - KOŠOVSKÝ, Ján - LAPUNÍKOVÁ, Barbora - PANČÍK, Peter - REŽUCHOVÁ, Ingeborg - ŠUPOLÍKOVÁ, Miroslava - ZELNÍK, Vladimír.

Recombinant herpesviruses as tools for the study of herpesvirus biology. In *Acta Virologica : international journal*, 2013, vol. 57, no. 2, p. 149-159. (0.759 - IF2012). (2013 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Russ, Gustav; Kopacek, Juraj Special issue of Acta virologica to the 60th anniversary of foundation of the Institute of Virology of the Slovak Academy of Sciences INTRODUCTION ACTA VIROLOGICA Volume: 57 Issue: 2 Special Issue: SI Pages: 88-90 Published: 2013, WOS

ADDA59 LABUDA, Milan - KOŽUCH, Otto - GREŠÍKOVÁ, Milota. Isolation of West Nile virus from Aedes cantans mosquitoes in West Slovakia. In *Acta Virologica : international journal*, 1974, vol. 18, no. 5, p. 429-433. ISSN 0001-723X.

Ohlasy:

1. [1.2] Marka, A.a , Diamantidis, A.b , Papa, A.c , Valiakos, G.d , Chaintoutis, S.C.e , Doukas, D.f , Tserkezou, P.a , Giannakopoulos, A.d , Papaspyropoulos, K.d , Patsoula, E.g , Badieritakis, E.h , Baka, A.i , Tseroni, M.i , Pervanidou, D.i , (...), Kremastinou, J.i , Hadjichristodoulou, C.a West Nile virus state of the Art report of MALWEST project International Journal of Environmental Research and Public Health Volume 10, Issue 12, 2 December 2013, Pages 6534-6610, SCOPUS
2. [1.2] Hubálek, Z.a , Ludvíková, E.b, Jahn, P.b, Trembl, F.b, Rudolf, I.a, Svobodová, P.a, Šikutová, S.a, Betášová, L.a, Bíreš, J.c, Mojžíš, M.d, Tinák, M.d, Boldižár, M.e, Citsoňová, G.f, Stašíková, Z. West Nile virus equine serosurvey in the Czech and Slovak Republics Vector-Borne and Zoonotic Diseases Volume 13, Issue 10, 1 October 2013, Pages 733-738, SCOPUS

ADDA60 LABUDA, Milan - KOŽUCH, Otto - SIXL, W. - KOCIANOVÁ, Elena - SCHÄFFLER, W. - VÝROSTKOVÁ, V. Tick-borne encephalitis virus activity in Styria, Austria. In *Acta Virologica*, 1993, vol. 37, no. 2-3, p. 187-190. (0.275 - IF1992). (1993 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.2] Reid, H.W.a, Weissenböck, H.b, Erdélyi, K.c Flavivirus Infections (Book Chapter) Infectious Diseases of Wild Mammals and Birds in Europe 0 July 2012, Pages 128-145, SCOPUS

ADDA61 LABUDA, Milan - ALVES, M. - ELEČKOVÁ, Elena - KOŽUCH, Otto - FILIPE, A.R. Transmission of tick-borne bunyaviruses by cofeeding tick. In *Acta Virologica*, 1997, vol. 41, no. 6, p. 323-326. (0.481 - IF1996). (1997 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.2] Havlíková, S.a , Licková, M.a, Klempa, B. Non-viraemic transmission of tick-borne viruses Acta Virologica Volume 57, Issue 2, 2013, Pages 123-129, SCOPUS

ADDA62 LAPOŠOVÁ, Katarína - PASTOREKOVÁ, Silvia - TOMÁŠKOVÁ, Jana. Lymphocytic choriomeningitis virus: invisible but not innocent. In *Acta Virologica : international journal*, 2013, vol. 57, no.2, p.160 - 170. (0.759 - IF2012). (2013 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Russ, Gustav; Kopacek, Juraj Special issue of Acta virologica to the 60th anniversary of foundation of the Institute of Virology of the Slovak Academy of Sciences INTRODUCTION ACTA VIROLOGICA Volume: 57 Issue: 2 Special Issue: SI Pages: 88-90 Published: 2013, WOS

ADDA63 LEŠKO, Ján - VEBER, Pavol - HRDÁ, M. - FEKETEOVÁ, M. Large-scale production of infectious bovine rhinotracheitis virus in cell culture on micricarriers. In *Acta Virologica*, 1993, vol. 37, no. 1, p. 73-78. (0.275 - IF1992). (1993 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.2] Sáenz, J.R. , Osorio, J.E. , Vera, V.J. Development of a recombinant poxvirus expressing bovine herpesvirus-1 glycoprotein D | Desarrollo de un poxvirus recombinante que expresa la glicoproteína D del herpesvirus bovino-1 Acta Biologica Colombiana Volume 17, Issue 3, 2012, Pages 511-524, SCOPUS

ADDA64 LÍBIKOVÁ, Helena - ŘEHÁČEK, Josef - GREŠÍKOVÁ, Milota - KOŽUCH, Otto - SOMOGYIOVÁ, J. - ERNEK, E. CYTOPATHIC VIRUSES ISOLATED FROM IXODES RICINUS TICKS IN CZECHOSLOVAKIA. In *Acta Virologica : international journal*, 1964, vol. 8, p. 96. ISSN 0001-723X.

Ohlasy:

1. [1.2] Hubálek, Z. , Rudolf, I. Tick-borne viruses in Europe Parasitology Research Volume 111, Issue 1, July 2012, Pages 9-36, SCOPUS
2. [1.2] Dilcher, M.a , Hasib, L.a, Lechner, M.b, Wieseke, N.c, Middendorf, M.c, Marz, M.b, Koch, A.a, Spiegel, M.a, Dobler, G.d, Hufert, F.T.a, Weidmann, M. Genetic characterization of Tribeč virus and Kemerovo virus, two tick-transmitted human-pathogenic Orbiviruses Parasitology Research Volume 111, Issue 1, July 2012, Pages 9-36, SCOPUS

ADDA65 LÍBIKOVÁ, Helena - ŘEHÁČEK, Josef - SOMOGYIOVÁ, J. VIRUSES RELATED TO THE KEMEROVO VIRUS IN IXODES RICINUS TICKS IN CZECHOSLOVAKIA. In *Acta Virologica : international journal*, 1965, vol. 9, no. 1, p. 76 - 82. ISSN 0001-723X.

Ohlasy:

1. [1.2] Hubálek, Z. , Rudolf, I. Tick-borne viruses in Europe Parasitology Research Volume 111, Issue 1, July 2012, Pages 9-36, SCOPUS
2. [1.2] Dilcher, M.a , Hasib, L.a, Lechner, M.b, Wieseke, N.c, Middendorf, M.c, Marz, M.b, Koch, A.a, Spiegel, M.a, Dobler, G.d, Hufert, F.T.a, Weidmann, M.a Genetic characterization of Tribeč virus and Kemerovo virus, two tick-transmitted human-pathogenic Orbiviruses Virology Volume 423, Issue 1, 5 February 2012, Pages 68-76, SCOPUS

ADDA66 LICHARD, M. - KOŽUCH, Otto. Persistence of tick-borne encephalitis virus in nymphs and adults of Ixodes arboricola and its transmission to white mice. In *Acta Virologica : international journal*, 1967, vol. 11, no. 5, p. 480. ISSN 0001-723X.

Ohlasy:

1. [1.2] Hubálek, Z. , Rudolf, I. Tick-borne viruses in Europe Parasitology Research Volume 111, Issue 1, July 2012, Pages 9-36, SCOPUS
2. [1.2] Petney, T.N. , Pfäffle, M.P., Skuballa, J.D. An annotated checklist of the ticks (Acari: Ixodida) of Germany Systematic and Applied Acarology Volume 17, Issue 2, 25 June 2012, Pages 115-170, SCOPUS
3. [1.2] Heylen, D.a , Tijssse, E.b, Fonville, M.b, Matthysen, E.a, Sprong, H. Transmission dynamics of Borrelia burgdorferi s.l. in a bird tick community Environmental Microbiology Volume 15, Issue 2, February 2013, Pages 663-673, SCOPUS

ADDA67 LOPUŠNÁ, K. - REŽUCHOVÁ, Ingeborg - BETÁKOVÁ, Tatiana - ŠKORVANOVÁ, Lucia - TOMÁŠKOVÁ, Jana - LUKÁČIKOVÁ, Ľubomíra - KABÁT, Peter. Interferons lambda, new cytokines with antiviral activity. In *Acta Virologica : international journal*, 2013, vol. 57, no. 2, p. 171 - 179. (0.759 - IF2012). (2013 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Kimura, H., Yoshizumi, M., Ishii, H., Oishi, K., Ryo, A. Cytokine production and signaling pathways in respiratory virus infection Frontiers in Microbiology 4 (SEP) , art. no. Article 276 , 2013, WOS
2. [1.1] Russ, Gustav; Kopacek, Juraj , Special issue of Acta virologica to the 60th anniversary of foundation of the Institute of Virology of the Slovak Academy of Sciences INTRODUCTION ACTA VIROLOGICA Volume: 57 Issue: 2 Special Issue: SI Pages: 88-90 Published: 2013, WOS
3. [3] Tripp RA. Respiratory Syncytial Virus (RSV) Modulation at the Virus-Host Interface Affects Immune Outcome and Disease Pathogenesis. Immune Netw. 2013 Oct;13(5):163-167. <http://dx.doi.org/10.4110/in.2013.13.5.163>, 2013

ADDA68 MATIS, Ján - KÚDELOVÁ, Marcela. Early shutoff of host protein synthesis in cells infected with herpes simplex viruses. In *Acta Virologica : international journal*, 2001, vol. 45, no. 5-6, p. 269-277. (0.558 - IF2000). (2001 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Mizrak, A (Mizrak, Arda)[2,3] ; Bolukbasi, MF (Bolukbasi, Mehmet Fatih)[2,3] ; Ozdener, GB (Ozdener, Gokhan Baris)[2,3] ; Brenner, GJ (Brenner, Gary J.)[4] ; Madlener, S (Madlener, Sibylle)[1] ; Erkan, EP (Erkan, Erdogan Pekcan)[1] ; Strobel, T (Stroebe, Thomas)[5] ; Breakefield, XO (Breakefield, Xandra O.)[2,3] ; Saydam, O Genetically Engineered Microvesicles Carrying Suicide mRNA/Protein Inhibit Schwannoma Tumor Growth MOLECULAR THERAPY Volume: 21 Issue: 1 Pages: 101-108, 2013, WOS
2. [1.1] Nur, S.M.a, Al Amin, M.a, Alam, R.a, Hasan, M.A.a, Hossain, M.A.a, Mannan, A. An in silico approach to design potential siRNA molecules for ICP22 (US1) gene silencing of different strains of human herpes simplex 1 Journal of Young Pharmacists Volume 5, Issue 2, June 2013, Pages 46-49, SCOPUS

ADDA69 MESÁROŠOVÁ, Monika - ČIAMPOR, Fedor - ZÁVIŠOVÁ, Vlasta - KONERACKÁ, Martina - URSÍNYOVÁ, M. - KOZICS, Katarína - TOMAŠOVIČOVÁ, Natália - HASHIM, Anežka - VÁVRA, Ivo - KRIŽANOVÁ, Zuzana - HUŠKOVÁ, Z. - KUBOVČÍKOVÁ, Martina - KOPČANSKÝ, Peter - TIMKO, Milan - GÁBELOVÁ, Alena. The intensity of internalization and cytotoxicity of superparamagnetic iron oxide nanoparticles with different surface modifications in human tumor and diploid lung cells. In *Neoplasma*, 2012, vol. 59, no. 5, p. 584-597. (1.440 - IF2011). (2012 - Current Contents, WOS, SCOPUS). ISSN 0028-2685.

Ohlasy:

1. [1.1] POMBO-GARCIA, K. - ZARSCHLER, K. - BARRETO, J.A. - HESSE, J. - SPICCIA, L. - GRAHAM, B. - STEPHAN, H. Design, synthesis, characterisation and in vitro studies of hydrophilic, colloiddally stable, Cu-64(II)-labelled, ultrasmall iron oxide nanoparticles in a range of human cell lines. In RSC ADVANCES. 2013, vol. 3, no. 44, p. 22443-22454., WOS

ADDA70 MIKULA, Ivan jr. - PASTOREKOVÁ, Silvia - MIKULA, Ivan. Toll-like receptors in immune response to viral infections. In *Acta Virologica : international journal*, 2010, vol. 54, no. 4, p. 231 - 245. (0.746 - IF2009). (2010 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Alizadeh, N (Alizadeh, Nastaran)[1] ; Amiri, MM (Amiri, Mohammad Mehdi)[2] ; Moghadam, AS (Moghadam, Alireza Salek)[1] ; Zarnani, AH (Zarnani, Amir Hassan)[1] ; Saadat, F (Saadat, Farshid)[3] ; Safavifar, F (Safavifar, Farnaz)[4] ; Berahmeh, A (Berahmeh, Azar)[4] ; Khorramizadeh, MR Effect of Toll-Like Receptor 3 Agonists on the Functionality and Metastatic Properties of Breast Cancer Cell Model IRANIAN JOURNAL OF ALLERGY ASTHMA AND IMMUNOLOGY Volume: 12 Issue: 2 Pages: 161-167, 2013, WOS
2. [1.1] Ren, Q (Ren, Qian)[1,2] ; Zhong, X (Zhong, Xue)[3] ; Yin, SW (Yin, Shao-Wu)[1,2] ; Hao, FY (Hao, Fang-Yuan)[4] ; Hui, KM (Hui, Kai-Min)[1,2] ; Zhang, Z (Zhang, Zhao)[4] ; Zhang, CY (Zhang, Chi-Yu)[4] ; Yu, XQ (Yu, Xiao-Qiang)[3] ; Wang, W The first Toll receptor from the triangle-shell pearl mussel *Hyriopsis cumingii* FISH & SHELLFISH IMMUNOLOGY Volume: 34 Issue: 5 Pages: 1287-1293, 2013, WOS
3. [1.2] Boga, J.A.a , de Oña, M.a, Melon, S.a, Alvarez-Argüelles, M.E.a, Morilla, A.a, Coto-Montes, A. MAVS: A new Weapon in the fight against viral infections Recent Patents on Endocrine, Metabolic and Immune Drug Discovery Volume 7, Issue 2, 2013, Pages 115-119, SCOPUS

ADDA71 MIKULÁŠOVÁ, Andrea - VAREČKOVÁ, Eva - FODOR, Ervín. Transcription and replication of the influenza A virus genome. In *Acta Virologica : International Journal*, 2000, vol. 44, no. 5, p. 273 - 282. (0.476 - IF1999). (2000 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Ma, J (Ma, Jun)[1] ; Liu, K (Liu, Kang)[1] ; Xue, CY (Xue, Chunyi)[1] ; Zhou, JQ (Zhou, Jianqiang)[1] ; Xu, S (Xu, Shun)[1] ; Ren, YD (Ren, Yida)[1] ; Zheng, J (Zheng, Jing)[1] ; Cao, YC Impact of the segment-specific region of the 3'-untranslated region of the influenza A virus PB1 segment on protein expression VIRUS GENES Volume: 47 Issue: 3 Pages: 429-438, 2013, WOS
2. [1.2] Yeganeh, B.abc, Rezaei Moghadam, A.d, Tran, A.T.b, Rahim, M.N.b, Ande, S.R.e, Hashemi, M.f, Coombs, K.M.bc , Ghavami, S. Asthma and Influenza Virus Infection: Focusing on cell death and

stress pathways in influenza virus replication Iranian Journal of Allergy, Asthma and Immunology
Volume 12, Issue 1, March 2013, Pages 1-17, SCOPUS

ADDA72 MISTRÍKOVÁ, Jela - RAŠLOVÁ, Hana - MRMUSOVÁ, Miroslava - KÚDELOVÁ, Marcela. A Murine Gammaherpesvirus. In *Acta Virologica : International Journal*, 2000, vol. 44, p. 211 - 226. (0.476 - IF1999). (2000 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Chauhan, VS (Chauhan, Vinita S.)[1] ; Nelson, DA (Nelson, Daniel A.)[1] ; Das Roy, L (Das Roy, Lopamudra)[1] ; Mukherjee, P (Mukherjee, Pinku)[1] ; Bost, KL Exacerbated metastatic disease in a mouse mammary tumor model following latent gammaherpesvirus infection INFECTIOUS AGENTS AND CANCER Volume: 7, Article Number: UNSP 11, 2012, WOS

ADDA73 MUSIL, M.. On the occurrence of the red clover mottle virus in Slovakia. In *Biológia*, 1966, vol. 21, p. 663-670. ISSN 0006-3088.

Ohlasy:

1. [1.1] Russ, Gustav; Kopacek, Juraj Special issue of Acta virologica to the 60th anniversary of foundation of the Institute of Virology of the Slovak Academy of Sciences INTRODUCTION , ACTA VIROLOGICA Volume: 57 Issue: 2 Special Issue: SI Pages: 88-90 Published: 2013, WOS

ADDA74 NAGYOVÁ, Alžbeta - ŠUBR, Zdeno W.. Infectious full-length clones of plant viruses and their use for construction of viral vectors for heterologous expression in plants. In *Acta Virologica : international journal*, 2007, vol. 51, no. 4, p. 223-238. (0.788 - IF2006). (2007 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Bujarski, Jozef J. Genetic recombination in plant-infecting messenger-sense RNA viruses: overview and research perspectives FRONTIERS IN PLANT SCIENCE Volume: 4 Article Number: 68 Published: MAR 26 2013, WOS
2. [1.1] Bejerman, N (Bejerman, N.)[1] ; Giolitti, F (Giolitti, F.)[1] ; de Breuil, S (de Breuil, S.)[1] ; Lenardon, S (Lenardon, S.) Development of a full-length infectious clone of sunflower chlorotic mottle virus (SuCMoV) ARCHIVES OF VIROLOGY Volume: 158 Issue: 2 Pages: 485-490, 2013, WOS

ADDA75 NOSEK, Jozef - ČIAMPOR, Fedor - KOŽUCH, Otto - RAJČÁNI, Július. Localization of tick-borne encephalitis virus in alveolar cells of salivary glands of Dermacentor marginatus and Haemaphysalis inermis ticks. In *Acta Virologica : international journal*, 1972, vol. 16, no. 6, p. 493 - 497. ISSN 0001-723X.

Ohlasy:

1. [1.2] McNally, K.L.a, Mitzel, D.N.a, Anderson, J.M.b, Ribeiro, J.M.C.b, Valenzuela, J.G.b, Myers, T.G.c, Godinez, A.c, Wolfinbarger, J.B.a, Best, S.M.a, Bloom, M.E. Differential salivary gland transcript expression profile in Ixodes scapularis nymphs upon feeding or flavivirus infection Ticks and Tick-borne Diseases Volume 3, Issue 1, February 2012, Pages 18-26, SCOPUS

ADDA76 NOVÁK, Michal. TRUNCATED TAU-PROTEIN AS A NEW MARKER FOR ALZHEIMERS-DISEASE. In *Acta Virologica : international journal*, 1994, vol. 38, no. 3, p. 173 - 189. (0.205 - IF1993). (1994 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.2] Iqbal, K.ab , Bolognin, S.a, Wang, X.a, Basurto-Islas, G.a, Blanchard, J.a, Tung, Y.C. Animal models of the sporadic form of Alzheimer's disease: Focus on the disease and not just the lesions Journal of Alzheimer's Disease Volume 37, Issue 3, 2013, Pages 469-474, SCOPUS
2. [1.2] Jarero-Basulto, J.J.a, Luna-Muñoz, J.b, Mena, R.c, Kristofikova, Z.d, Ripova, D.d, Perry, G.e, Binder, L.I.f, Garcia-Sierra, F. Proteolytic cleavage of polymeric tau protein by caspase-3: Implications for Alzheimer disease Journal of Neuropathology and Experimental Neurology Volume 72, Issue 12, December 2013, Pages 1145-1161, SCOPUS
3. [1.2] Calvillo, M.a, Diaz, A.bc, Limon, D.I.b, Mayoral, M.A.d, Chánez-Cárdenas, M.E.e, Zenteno, E.c, Montañó, L.F.f, Guevara, J.c, Espinosa, B. Amyloid- β 25-35 induces a permanent phosphorylation of HSF-1, but a transitory and inflammation-independent overexpression of Hsp-70 in C6 astrocytoma cells Neuropeptides Volume 47, Issue 5, October 2013, Pages 339-346, SCOPUS

4. [1.2] Monroy-Ramírez, H.C.a, Basurto-Islas, G.b, Mena, R.c, Cisneros, B.d, Binder, L.l.e, Avila, J.f, Garcia-Sierra, F.a Alterations in the nuclear architecture produced by the overexpression of tau protein in neuroblastoma cells *Journal of Alzheimer's Disease* Volume 36, Issue 3, 2013, Pages 503-520, SCOPUS

ADDA77 NOVÁKOVÁ, M. - BRUDEROVÁ, V. - SULOVIČ, Zdena - KOPÁČEK, Juraj - LACINOVÁ, Ľubica - KVETŇANSKÝ, Richard - VASKU, A. - KAPLÁN, Peter - KRIŽANOVÁ, Oľga - JURKOVIČOVÁ, Dana. Modulation of expression of the sigma receptors in the heart of rat and mouse in normal and pathological conditions. In *General physiology and biophysics : international journal*, 2007, vol. 26, no. 2, p. 110-117. (0.771 - IF2006). (2007 - Current Contents). ISSN 0231-5882.

Ohlasy:

1. [1.2] Mannic, T.a, Mouffok, M.a, Python, M.a, Yoshida, T.ac, Maturana, A.D.c, Vuilleumier, N.b, Rossier, M.F. DHEA prevents mineralo- and glucocorticoid receptor-induced chronotropic and hypertrophic actions in isolated rat cardiomyocytes *Endocrinology* Volume 154, Issue 3, 1 March 2013, Pages 1271-1281, SCOPUS

ADDA78 SLABÁ, Katarína - ŠKULTÉTY, Ľudovít - TOMAN, Rudolf. Efficiency of various serological techniques for diagnosing *Coxiella burnetii* infection. In *Acta Virologica : international journal*. - Bratislava : Virologický ústav SAV, 1957-, 2005, vol. 49, no. 2, p. 123-128. (0.605 - IF2004). (2005 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Herremans, T (Herremans, Tineke)[1] ; Hogema, BM (Hogema, Boris M.)[2] ; Nabuurs, M (Nabuurs, Marringje)[3,4] ; Peeters, M (Peeters, Marcel)[5] ; Wegdam-Blans, M (Wegdam-Blans, Marjolijn)[6] ; Schneeberger, P (Schneeberger, Peter)[7] ; Nijhuis, C (Nijhuis, Carla)[1] ; Notermans, DW (Notermans, Daan W.)[1] ; Galama, J (Galama, Joep)[3] ; Horrevorts, A (Horrevorts, Anton)[4] ; van Loo, IHM (van Loo, Inge H. M.)[8] ; Vlamincx, B (Vlamincx, Bart)[9] ; Zaaijer, HL (Zaaijer, Hans L.)[2] ; Koopmans, MP (Koopmans, Marion P.)[1] ; Berkhout, H (Berkhout, Hanneke)[4,10] ; Socolovschi, C (Socolovschi, Cristina)[11] ; Raoult, D (Raoult, Didier)[11] ; Stenos, J (Stenos, John)[12] ; Nicholson, W (Nicholson, William)[13] ; Bijlmer, H (Bijlmer, Henk)[1]
Comparison of the performance of IFA, CFA, and ELISA assays for the serodiagnosis of acute Q fever by quality assessment *DIAGNOSTIC MICROBIOLOGY AND INFECTIOUS DISEASE* Volume: 75 Issue: 1 Pages: 16-21 2013, WOS

ADDA79 POLÁKOVÁ, Katarína - RUSS, Gustáv - STYK, B.. Antigenic glycopolypeptides HA1 and HA2 of influenza virus haemagglutinin. III. Reactivity with human convalescent sera. In *Acta virologica*, 1979, vol. 23, no. 1, p. 1-8.

Ohlasy:

1. [1.2] Lee, J.-S.a, Chowdhury, M.Y.E.a , Moon, H.-J.a, Choi, Y.-K.b, Talactac, M.R.a, Kim, J.-H.a, Park, M.-E.a, Son, H.-Y.a, Shin, K.-S.a, Kim, C.-J. The highly conserved HA2 protein of the influenza a virus induces a cross protective immune response *Journal of Virological Methods* Volume 194, Issue 1-2, December 2013, Pages 280-288, SCOPUS
2. [1.2] Varečková, E. , Mucha, V., Kostolanský, F. HA2 glycopolypeptide of influenza a virus and antiviral immunity *Acta Virologica* Volume 57, Issue 2, 2013, Pages 247-256, SCOPUS
3. [1.2] Wong, S.-S., Webby, R.J. Traditional and new influenza vaccines *Clinical Microbiology Reviews* 26 (3), pp. 476-492, 2013, SCOPUS

ADDA80 POLÁKOVÁ, Katarína - RUSS, Gustáv - STYK, B.. Antigenic glycopolypeptides HA1 and HA2 of influenza virus haemagglutinin. II. Reactivity with rabbit sera against intact virus and purified undissociated haemagglutinin. In *Acta virologica*, 1978, vol. 22, no. 5, p. 371-382.

Ohlasy:

1. [1.2] Varečková, E., Mucha, V., Kostolanský, F. HA2 glycopolypeptide of influenza a virus and antiviral immunity *Acta Virologica* 57 (2), pp. 247-256, 2013, SCOPUS

ADDA81 POLÁKOVÁ, Katarína - RUSS, Gustáv. Expression of the non-classical HLA-G - antigen in tumor cells lines is extremely restricted. In *Neoplasma*, 2000, roč. 47, č. 6, p. 342-348. (0.448 - IF1999). (2000 - Current Contents). ISSN 0028-2685.

Ohlasy:

1. [1.1] LeMaout, J (LeMaout, Joel)[1,2] ; Daouya, M (Daouya, Marina)[1,2] ; Wu, J (Wu, Juan)[3] ; Loustau, M (Loustau, Maria)[1,2] ; Horuzsko, A (Horuzsko, Anatolij)[3] ; Carosella, ED Synthetic HLA-G proteins for therapeutic use in transplantation FASEB JOURNAL Volume: 27 Issue: 9 Pages: 3643-3651, 2013, WOS
2. [1.1] Rizzo, R (Rizzo, Roberta)[1] ; Trentini, A (Trentini, Alessandro)[2] ; Bortolotti, D (Bortolotti, Daria)[1] ; Manfrinato, MC (Manfrinato, Maria C.)[2] ; Rotola, A (Rotola, Antonella)[1] ; Castellazzi, M (Castellazzi, Massimiliano)[2] ; Melchiorri, L (Melchiorri, Loredana)[1] ; Di Luca, D (Di Luca, Dario)[1] ; Dallochio, F (Dallochio, Franco)[2] ; Fainardi, E (Fainardi, Enrico)[3] ; Bellini, T Matrix metalloproteinase-2 (MMP-2) generates soluble HLA-G1 by cell surface proteolytic shedding MOLECULAR AND CELLULAR BIOCHEMISTRY Volume: 381 Issue: 1-2 Pages: 243-255, 2013, WOS
3. [1.1] Silva, ID (Silva, Istefani D.)[1] ; Muniz, YCN (Muniz, Yara C. N.)[3] ; Sousa, MCPS (Sousa, Millena C. P. S.)[1] ; Silva, KR (Silva, Karla R.)[1] ; Castelli, EC (Castelli, Erick C.)[4] ; Filho, JCG (Filho, Jose C. G.)[2] ; Osta, AP (Osta, Ana P.)[2] ; Lima, MIM (Lima, Maria I. M.)[1,2] ; Simoes, RT HLA-G 3' UTR polymorphisms in high grade and invasive cervico-vaginal cancer HUMAN IMMUNOLOGY Volume: 74 Issue: 4 Pages: 452-458 Special Issue: SI , 2013, WOS

ADDA82 RAJČÁNI, Július - BUSTAMANTE DE CONTRERAS, L.R. - SVOBODOVÁ, J. Corneal inoculation of murine herpesvirus in mice: The absence of neural spread. In *Acta Virologica*, 1987, vol. 31, no. 1, p. 25-30. (0.433 - IF1986). (1987 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Cipkova-Jarcuskova, J (Cipkova-Jarcuskova, J.)[1] ; Chalupkova, A (Chalupkova, A.)[1] ; Hrabovska, Z (Hrabovska, Z.)[1] ; Wagnerova, M (Wagnerova, M.)[1] ; Mistrikova, J. Biological and pathogenetic characterization of different isolates of murine gammaherpesvirus 68 (MHV-68) in the context of study of human oncogenic gammaherpesviruses ACTA VIROLOGICA Volume: 57 Issue: 2 Pages: 105-112 Special Issue: SI, 2013, WOS

ADDA83 RAJČÁNI, Július - BLÁŠKOVIČ, Dionýz - SVOBODOVÁ, Jana. - ČIAMPOR, Fedor - HUČKOVÁ, D. - STANEKOVÁ, D. Pathogenesis of acute and persistent murine herpesvirus-infection in mice. In *Acta Virologica : international journal*, 1985, vol. 29, no. 1, p. 51-. (0.572 - IF1984). (1985 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Cipková-Jarcuškova, J.a, Chalupková, A.a, Hrabovská, Z.a, Wágnerová, M.a, Mistříková, J. Biological and pathogenetic characterization of different isolates of murine gammaherpesvirus 68 (MHV-68) in the context of study of human oncogenic gammaherpesviruses Acta Virologica Volume 57, Issue 2, 2013, Pages 105-112, WOS
2. [1.1] Kúdelová, M.a , Belvončíková, P.a, Halášová, Z.a, Košovský, J.a, Lapuníková, B.b, Pančík, P.a, Režuchová, I.a, Šupolíková, M.b, Zelník, V. Recombinant herpesviruses as tools for the study of herpesvirus biology Acta Virologica Volume 57, Issue 2, 2013, Pages 149-159, WOS
3. [1.1] Cipková-Jarcuškova, J.a, Chalupková, A.a, Hrabovská, Z.a, Wágnerová, M.a, Mistříková, J. Biological and pathogenetic characterization of different isolates of murine gammaherpesvirus 68 (MHV-68) in the context of study of human oncogenic gammaherpesviruses Acta Virologica Volume 57, Issue 2, 2013, Pages 105-112, WOS

ADDA84 RAJČÁNI, Július - VOJVODOVÁ, A. The role of herpes simplex virus glycoproteins in the virus replication cycle. In *Acta Virologica : international journal*, 1998, vol. 42, no. 2, p. 103 - 118. (0.454 - IF1997). (1998 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Yu, ZH (Yu, Zu-Hua)[1,2,3] ; Teng, M (Teng, Man)[2] ; Luo, J (Luo, Jun)[2,4] ; Wang, XW (Wang, Xin-Wei)[5] ; Ding, K (Ding, Ke)[3] ; Yu, LL (Yu, Le-Le)[2] ; Su, JW (Su, Jing-Wei)[2,5] ; Chi,

JQ (Chi, Jia-Qi)[1,2] ; Zhao, P (Zhao, Pu)[2] ; Hu, B (Hu, Bo)[1,2] ; Zhang, GP (Zhang, Gai-Ping)[2] ; Liu, JX Molecular characteristics and evolutionary analysis of field Marek's disease virus prevalent in vaccinated chicken flocks in recent years in China VIRUS GENES Volume: 47 Issue: 2 Pages: 282-291, 2013, WOS

ADDA85 RUSS, Gustáv - POLÁKOVÁ, Katarína - KOSTOLANSKÝ, František - STYK, B. - VANČÍKOVÁ, Miriam. Monoclonal antibodies to glycopolypeptides HA1 and HA2 of influenza Virus Hemagglutinin. In *Acta Virologica : international journal*, 1987, vol. 31, no. 5, p. 374-. (0.433 - IF1986). (1987 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] He, JL (He, Jie-Long)[1] ; Hsieh, MS (Hsieh, Ming-Shou)[1] ; Chiu, YC (Chiu, Yi-Chung)[2] ; Juang, RH (Juang, Rong-Huay)[1] ; Wang, CH (Wang, Ching-Ho)[2] Preparation of monoclonal antibodies against poor immunogenic avian influenza virus proteins JOURNAL OF IMMUNOLOGICAL METHODS Volume: 387 Issue: 1-2 Pages: 43-50 DOI: 10.1016/j.jim.2012.09.009 Published: JAN 2013, WOS

ADDA86 ŘEHÁČEK, Josef - KOŽUCH, Otto. COMPARISON OF THE SUSCEPTIBILITY OF PRIMARY TICK AND CHICK EMBRYO CELL CULTURES TO SMALL AMOUNTS OF TICKBORNE ENCEPHALITIS VIRUS. In *Acta Virologica : international journal*, 1964, vol. 8, p. 470-471. ISSN 0001-723X.

Ohlasy:

1. [1.2] Alberdi, M.P.a , Nijhof, A.M.bd, Jongejan, F.bc, Bell-Sakyi, L. Tick cell culture isolation and growth of Rickettsia raoultii from Dutch Dermacentor reticulatus ticks Ticks and Tick-borne Diseases Volume 3, Issue 5-6, December 2012, Pages 349-354, SCOPUS
2. [1.2] Bell-Sakyi, L.a , Kohl, A.a, Bente, D.A.bc, Fazakerley, J.K. Tick cell lines for study of crimean-congo hemorrhagic fever virus and other arboviruses Vector-Borne and Zoonotic Diseases Volume 12, Issue 9, 1 September 2012, Pages 769-781, SCOPUS

ADDA87 ŘEHÁČEK, Josef. Cultivation of different viruses in tick tissue cultures. In *Acta Virologica : international journal*, 1965, vol. 9, no. 4, p. 332-337. ISSN 0001-723X.

Ohlasy:

1. [1.2] Bell-Sakyi, L.a , Kohl, A.a, Bente, D.A.bc, Fazakerley, J.K. Tick cell lines for study of crimean-congo hemorrhagic fever virus and other arboviruses Vector-Borne and Zoonotic Diseases Volume 12, Issue 9, 1 September 2012, Pages 769-781, SCOPUS

ADDA88 ŘEHÁČEK, Josef - KOCIANOVÁ, Elena - LUKÁČOVÁ, Magdaléna - VÝROSTEKOVÁ, V. - STANEK, G. - KHANAKAH, G. - VALKOVÁ, Dana. Detection of spotted fever group /SFG/ rickettsia from I.xodes ricinus ticks in Austria. In *Acta Virologica*, 1997, vol. 41, no. 6, s. 355-356. (0.481 - IF1996). (1997 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] SONNLEITNER, S.T. - SIMEONI, J. - LANG, S. - DOBLER, G. - SPECK, S. - ZELGER, R. - SCHENNACH, H. - LASS-FLORL, C. - WALDER, G. Spotted Fever Group Rickettsiae in the Tyrols: Evidence by Seroepidemiology and PCR. In ZOONOSES AND PUBLIC HEALTH. JUN 2013, vol. 60, no. 4, p. 284-290., WOS
2. [1.1] PENICHE-LARA, G. - ZAVALA-VELAZQUEZ, J. - DZUL-ROSADO, K. - WALKER, D.H. - ZAVALA-CASTRO, J. Simple Method to Differentiate among Rickettsia Species. In JOURNAL OF MOLECULAR MICROBIOLOGY AND BIOTECHNOLOGY. 2013, vol. 23, no. 3, p. 203-208., WOS

ADDA89 ŘEHÁČEK, Josef - BREZINA, Rudolf - KOVÁČOVÁ, Elena - ŽUPANČICOVÁ, M. Haemocyte test - an easy, quick and reliable method for the detection of rickettsiae in ticks. In *Acta Virologica : international journal*, 1971, vol. 15, no. 3, p. 237 - 240. ISSN 0001-723X.

Ohlasy:

1. [1.2] Gergova, I., Kunchev, M., Kamarinchev, B. Crimean-congo hemorrhagic fever virus-tick survey in endemic areas in Bulgaria Journal of Medical Virology Volume 84, Issue 4, April 2012, Pages 608-614, SCOPUS

2. [1.2] Gergova, I., Kamarinchev, B. Comparison of the prevalence of Crimean-Congo hemorrhagic fever virus in endemic and non-endemic Bulgarian locations *Journal of Vector Borne Diseases* Volume 50, Issue 4, December 2013, Pages 265-270, SCOPUS

ADDA90 ŘEHÁČEK, Josef - URVÖLGYI, Juraj - KOVÁČOVÁ, Elena. Massive occurrence of rickettsiae of the spotted fever group in fowl *tampan*, *Argas persicus*, in the Armenian S.S.R. In *Acta Virologica : international journal*, 1977, vol. 21, p. 431. (0.853 - IF1976). (1977 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.2] Pader, V.a, Buniak, J.N.a, Abdissa, A.b, Adamu, H.b, Tolosa, T.c, Gashaw, A.c, Cutler, R.R.d, Cutler, S.J. *Candidatus Rickettsia hoogstraalii* in Ethiopian *Argas persicus* ticks *Ticks and Tick-borne Diseases* Volume 3, Issue 5-6, December 2012, Pages 338-345, SCOPUS
2. [1.2] Sekeyová, Z.a, Socolovschi, C.b, Špitálská, E.a, Kocianová, E.a, Boldiš, V.c, Quevedo Diaz, M.a, Berthová, L.a, Boháčsová, M.a, Valáriková, J.a, Edouard Fournier, P.b, Raoult, D. Update on Rickettsioses in Slovakia *Acta Virologica* Volume 57, Issue 2, 2013, Pages 180-199, SCOPUS
3. [1.2] Socolovschi, C., Kernif, T., Raoult, D., Parola, P. *Borrelia*, *Rickettsia*, and *Ehrlichia* species in bat ticks, France, 2010 *Emerging Infectious Diseases* Volume 18, Issue 12, December 2012, Pages 1966-1975, SCOPUS

ADDA91 ŘEHÁČEK, Josef. Transovarial transmission of tick-borne encephalitis virus by ticks. In *Acta Virologica : international journal*, 1962, vol. 6, p. 220-226. ISSN 0001-723X.

Ohlasy:

1. [1.2] Hubálek, Z., Rudolf, I. Tick-borne viruses in Europe *Parasitology Research* Volume 111, Issue 1, July 2012, Pages 9-36, SCOPUS
2. [1.2] Dobler, G.a, Gniel, D.b, Petermann, R.c, Pfeffer, M. Epidemiology and distribution of tick-borne encephalitis *Wiener Medizinische Wochenschrift* Volume 162, Issue 11-12, May 2012, Pages 230-238, SCOPUS

ADDA92 SABÓ, Alexander - RAJČÁNI, Július. Latent pseudorabies virus infection in pigs.

Ohlasy:

1. [1.2] Kramer, T.ab, Enquist, L.W. Directional spread of alphaherpesviruses in the nervous system *Viruses* Volume 5, Issue 2, 11 February 2013, Pages 678-707, SCOPUS

ADDA93 SEKEYOVÁ, Zuzana - SOCOLOVSKI, C. - ŠPITÁLSKA, Eva - KOCIANOVÁ, Elena - BOLDIŠ, Vojtech - QUEVEDO-DIAZ, Marco - BERTHOVÁ, Lenka - BOHÁČSOVÁ, Monika - VALÁRIKOVÁ, Jana - FOURNIER, P.E. - RAOULT, D. Update on rickettsioses in Slovakia. In *Acta Virologica : international journal*, 2013, vol. 57, no.2, p.180-199. (0.759 - IF2012). (2013 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Russ, Gustav; Kopacek, Juraj *ACTA VIROLOGICA* Volume: 57 Issue: 2 Special Issue: SI, 2013, WOS

ADDA94 SLÁDKOVÁ, Tatiana - KOSTOLANSKÝ, František. The role of cytokines in the immune response to influenza A virus infection. In *Acta Virologica : international journal*, 2006, vol. 50, no. 3, p. 151-162. (0.696 - IF2005). (2006 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Wang, ML (Wang, Mei-Lin)[1] ; Hou, YY (Hou, Yuan-Yu)[2] ; Chiu, YS (Chiu, Yen-Shuo)[3,4] ; Chen, YH Immunomodulatory activities of *Gelidium amansii* gel extracts on murine RAW 264.7 macrophages *JOURNAL OF FOOD AND DRUG ANALYSIS* Volume: 21 Issue: 4 Pages: 397-403, 2013, WOS
2. [1.1] Gao, RB (Gao, Rongbao)[1] ; Bhatnagar, J (Bhatnagar, Julu)[2] ; Blau, DM (Blau, Dianna M.)[2] ; Greer, P (Greer, Patricia)[2] ; Rollin, DC (Rollin, Dominique C.)[2] ; Denison, AM (Denison, Amy M.)[2] ; DeLeon-Carnes, M (DeLeon-Carnes, Marlene)[2] ; Shieh, WJ (Shieh, Wun-Ju)[2] ; Sambhara, S (Sambhara, Suryaprakash)[3,4] ; Tumpey, TM (Tumpey, Terrence M.)[3,4] ; Patel, M (Patel, Mitesh)[2] ; Liu, L (Liu, Lindy)[2] ; Paddock, C (Paddock, Christopher)[2] ; Drew, C (Drew, Clifton)[2] ; Shu, YL (Shu, Yuelong)[1] ; Katz, JM (Katz, Jacqueline M.)[3,4] ; Zaki, SR Cytokine and

Chemokine Profiles in Lung Tissues from Fatal Cases of 2009 Pandemic Influenza A (H1N1) Role of the Host Immune Response in Pathogenesis AMERICAN JOURNAL OF PATHOLOGY Volume: 183 Issue: 4 Pages: 1258-1268 , 2013, WOS

3. [1.1] Liu, Q (Liu, Qiang)[1] ; Xiong, HR (Xiong, Hai-rong)[1] ; Lu, L (Lu, Li)[1] ; Liu, YY (Liu, Yuan-yuan)[1] ; Luo, F (Luo, Fan)[1] ; Hou, W (Hou, Wei)[1] ; Yang, ZQ Antiviral and anti-inflammatory activity of arbidol hydrochloride in influenza A (H1N1) virus infection ACTA PHARMACOLOGICA SINICA Volume: 34 Issue: 8 Pages: 1075-1083, 2013, WOS

4. [1.1] Meng, LZ (Meng, Lan-Zhen)[1] ; Lin, BQ (Lin, Bao-Qin)[1,2] ; Wang, B (Wang, Bo)[1,3] ; Feng, K (Feng, Kun)[1] ; Hu, DJ (Hu, De-Jun)[1] ; Wang, LY (Wang, Lan-Ying)[1] ; Cheong, KL (Cheong, Kit-Leong)[1] ; Zhao, J (Zhao, Jing)[1] ; Li, SP Mycelia extracts of fungal strains isolated from Cordyceps sinensis differently enhance the function of RAW 264.7 macrophages JOURNAL OF ETHNOPHARMACOLOGY Volume: 148 Issue: 3 Pages: 818-825, 2013, WOS

5. [1.1] Jenkins, K (Jenkins, Kristie)[1] ; Khoo, JJ (Khoo, Jing Jing)[1,2] ; Sadler, A (Sadler, Anthony)[3] ; Piganis, R (Piganis, Rebecca)[1] ; Wang, D (Wang, Die)[3] ; Borg, NA (Borg, Natalie A.)[4] ; Hjerrild, K (Hjerrild, Kathryn)[1] ; Gould, J (Gould, Jodee)[1] ; Thomas, BJ (Thomas, Belinda J.)(1,5] ; Nagley, P (Nagley, Phillip)[2,4] ; Hertzog, PJ (Hertzog, Paul J.)(1,2] ; Mansell, A Mitochondrially localised MUL1 is a novel modulator of antiviral signaling IMMUNOLOGY AND CELL BIOLOGY Volume: 91 Issue: 4 Pages: 321-330, 2013, WOS

6. [1.1] Zeng, D. G.; Lei, A. Y.; Chen, X. H. Cloning, characterization, and expression of the macrophage migration inhibitory factor gene from the Pacific white shrimp Litopenaeus vannamei (Penaeidae) GENETICS AND MOLECULAR RESEARCH Volume: 12 Issue: 4 Pages: 5872-5879 Published: 2013, WOS

ADDA95 STANEKOVÁ, Zuzana - KIRÁLY, J. - STROPKOVSKÁ, Andrea - MIKUŠKOVÁ, Tatiana - MUCHA, Vojtech - KOSTOLANSKÝ, František - VAREČKOVÁ, Eva. Heterosubtypic protective immunity against influenza A virus induced by fusion peptide of the hemagglutinin in comparison to ectodomain of M2 protein. In *Acta Virologica : international journal*, 2011, vol. 55, no. 1, p. 61 -68. (0.547 - IF2010). (2011 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Dumard, CH (Dumard, Carlos H.)(1,2] ; Barroso, SPC (Barroso, Shana P. C.)(1,2] ; de Oliveira, GAP (de Oliveira, Guilherme A. P.)(1,2] ; Carvalho, CAM (Carvalho, Carlos A. M.)(1,2] ; Gomes, AMO (Gomes, Andre M. O.)(1,2] ; Couceiro, JNSS (Couceiro, Jose Nelson S. S.)(3] ; Ferreira, DF (Ferreira, Davis F.)(3] ; Nico, D (Nico, Dirlei)(3] ; Oliveira, AC (Oliveira, Andrea C.)(1,2] ; Silva, JL (Silva, Jerson L.)(1,2] ; Santos, PS Full Inactivation of Human Influenza Virus by High Hydrostatic Pressure Preserves Virus Structure and Membrane Fusion While Conferring Protection to Mice against Infection PLOS ONE Volume: 8 Issue: 11, Article Number: e80785, 2013, WOS
2. [1.1] Terajima, M (Terajima, Masanori)[1] ; Babon, JAB (Babon, Jenny Aurielle B.)(2] ; Co, MDT (Co, Mary Dawn T.)(1] ; Ennis, FA Cross-reactive human B cell and T cell epitopes between influenza A and B viruses VIROLOGY JOURNAL Volume: 10, Article Number: 244, 2013, WOS
3. [1.1] Nair, H.ab , Lau, E.S.M.a , Brooks, W.A.cd , Seong, A.C.a , Theodoratou, E.a , Zgaga, L.a , Huda, T.c, Jadhav, S.S.e , Rudan, I.a , Campbell, H. An evaluation of the emerging vaccines against influenza in children BMC Public Health Volume 13, Issue SUPPL.3, 2013, Article number S14, SCOPUS

ADDA96 STROPKOVSKÁ, Andrea - MUCHA, Vojtech - FISLOVÁ, Tatiana - GOCNÍK, Michal - KOSTOLANSKÝ, František - VAREČKOVÁ, Eva. Broadly cross-reactive monoclonal antibodies against HA2 glycopeptide of Influenza A virus hemagglutinin of H3 subtype reduce replication of influenza A viruses of human and avian origin. In *Acta Virologica : international journal*, 2009, vol. 53, no. 1, p. 15 - 20. (0.810 - IF2008). (2009 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Krammer, Florian; Palese, Peter Influenza virus hemagglutinin stalk-based antibodies and vaccines CURRENT OPINION IN VIROLOGY Volume: 3 Issue: 5 Pages: 521-530 Published: OCT 2013, WOS
2. [1.1] Muramatsu, M (Muramatsu, Mieko)[1] ; Yoshida, R (Yoshida, Reiko)[1] ; Miyamoto, H

(Miyamoto, Hiroko)[1] ; Tomabechei, D (Tomabechei, Daisuke)[1] ; Kajihara, M (Kajihara, Masahiro)[1] ; Maruyama, J (Maruyama, Junki)[1] ; Kimura, T (Kimura, Takashi)[2] ; Manzoor, R (Manzoor, Rashid)[1] ; Ito, K (Ito, Kimihito)[3] ; Takada, A Heterosubtypic Antiviral Activity of Hemagglutinin-Specific Antibodies Induced by Intranasal Immunization with Inactivated Influenza Viruses in Mice PLOS ONE Volume: 8 Issue: 8, Article Number: e71534, 2013, WOS

ADDA97 STROPKOVSKÁ, Andrea - JANULÍKOVÁ, Jana - VAREČKOVÁ, Eva. Trends in development of the influenza vaccine with broader cross-protection. In *Acta Virologica : International Journal*, 2010, vol. 54, no.1, p. 7-19. (0.746 - IF2009). (2010 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Shum, K.-T.a , Zhou, J.a , Rossi, J.J. Aptamer-based therapeutics: New approaches to combat human viral diseases Pharmaceuticals Volume 6, Issue 12, 25 November 2013, Pages 1507-1542, WOS
2. [1.1] Jang, Y.H.a, Byun, Y.H.a, Lee, D.-H.b, Lee, K.-H.a, Lee, Y.J.a, Lee, Y.H.a, Park, J.-K.b, Song, C.-S.b, Seong, B.L. Cold-adapted X-31 live attenuated 2009 pandemic H1N1 influenza vaccine elicits protective immune responses in mice and ferrets Vaccine Volume 31, Issue 9, 18 February 2013, Pages 1320-1327, WOS

ADDA98 TÓTHOVÁ, Veronika - GIBADULINOVÁ, Adriana. S100P, apeculiar member of S100 family of calcium-binding proteins implicated in cancer. In *Acta Virologica : international journal*, 2013, vol. 57, no. 2, p. 238 -246. (0.759 - IF2012). (2013 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Russ, Gustav; Kopacek, Juraj Special issue of Acta virologica to the 60th anniversary of foundation of the Institute of Virology of the Slovak Academy of Sciences INTRODUCTION ACTA VIROLOGICA Volume: 57 Issue: 2 Special Issue: SI Pages: 88-90 Published: 2013, WOS

ADDA99 ŠKULTÉTY, Ľudovít - HERNYCHOVÁ, L. - BEREGHÁZYOVÁ, E. - SLABÁ, Katarína - TOMAN, Rudolf. Detection of specific spectral markers of Coxiella burnetii isolates by MALDI-TOF mass spectrometry. In *Acta Virologica : international journal*, 2007, vol. 51, no. 1, p. 55-58. (0.788 - IF2006). (2007 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Vranakis, I., Papadioti, A., Tselentis, Y., Psaroulaki, A., Tsiotis, G. The contribution of proteomics towards deciphering the enigma of Coxiella burnetii Proteomics - Clinical Applications 7 (1-2) , pp. 193-204 , 2013, WOS

ADDA100 ŠPITÁLSKA, Eva - BOLDIŠ, Vojtech - KOŠŤANOVÁ, Z. - KOCIANOVÁ, Elena - ŠTEFANIDESOVÁ, Katarína. Incidence of various Tick-borne microorganisms in rodents and ticks of central Slovakia. In *Acta Virologica : international journal*, 2008, vol. 52, p. 175 - 179. (0.560 - IF2007). (2008 - Current Contents, Current Awareness in Biological Sciences (CABS), Chemical Abstracts and Excerpta Medica database (EMBASE), Current Contents (Life Sciences)). ISSN 0001-723X.

Ohlasy:

1. [1.1] Stuen, Snorre; Granquist, Erik G.; Silaghi, Cornelia Anaplasma phagocytophilum-a widespread multi-host pathogen with highly adaptive strategies FRONTIERS IN CELLULAR AND INFECTION MICROBIOLOGY Volume: 3 Article Number: UNSP 31 Published: JUL 2013, WOS
2. [1.1] Rymaszewska, Anna; Piotrowski, Mariusz Use of DNA sequences for Rickettsia identification in Ixodes ricinus ticks: the first detection of Rickettsia monacensis in Poland MICROBES AND INFECTION Volume: 15 Issue: 2 Pages: 140-146 Published: FEB 2013, WOS
3. [1.1] Wojcik-Fatla, A (Wojcik-Fatla, Angelina)[1] ; Cisak, E (Cisak, Ewa)[1] ; Zajac, V (Zajac, Violetta)[1] ; Sroka, J (Sroka, Jacek)[1,2] ; Sawczyn, A (Sawczyn, Anna)[1] ; Dutkiewicz, J (Dutkiewicz, Jacek)[1] Study on tick-borne rickettsiae in eastern Poland. I. Prevalence in Dermacentor reticulatus (Acari: Amblyommidae) ANNALS OF AGRICULTURAL AND ENVIRONMENTAL MEDICINE Volume: 20 Issue: 2 Pages: 276-279, 2013, WOS
4. [1.1] Maurer, FP (Maurer, Florian P.)[1] ; Keller, PM (Keller, Peter M.)[1] ; Beuret, C (Beuret, Christian)[5] ; Joha, C (Joha, Cornelia)[2] ; Achermann, Y (Achermann, Yvonne)[3] ; Gubler, J

(Gubler, Jacques)[4] ; Bircher, D (Bircher, Daniela)[4] ; Karrer, U (Karrer, Urs)[4] ; Fehr, J (Fehr, Jan)[3] ; Zimmerli, L (Zimmerli, Lukas)[2] ; Bloemberg, GV Close Geographic Association of Human Neoehrlichiosis and Tick Populations Carrying "Candidatus Neoehrlichia mikurensis" in Eastern Switzerland JOURNAL OF CLINICAL MICROBIOLOGY Volume: 51 Issue: 1 Pages: 169-176, 2013, WOS

5. [1.2] Hornok, S.a , Meli, M.L.b , Gönczi, E.b , Hofmann-Lehmann, R. First evidence of Candidatus Neoehrlichia mikurensis in Hungary Parasites and Vectors Volume 6, Issue 1, 2013, Article number 267, SCOPUS

ADDA101 ŠTIBRÁNIOVÁ, Iveta - LAHOVÁ, Monika - BARTÍKOVÁ, Pavlína. Immunomodulators in tick saliva and their benefits. In *Acta Virologica : international journal*, 2013, vol. 57, no. 2, p. 200-216. (0.759 - IF2012). (2013 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Russ, Gustav; Kopacek, Juraj Special issue of Acta virologica to the 60th anniversary of foundation of the Institute of Virology of the Slovak Academy of Sciences INTRODUCTION ACTA VIROLOGICA Volume: 57 Issue: 2 Special Issue: SI Pages: 88-90 Published: 2013, WOS
2. [1.1] Wikel, Stephen Ticks and tick-borne pathogens at the cutaneous interface: host defenses, tick countermeasures, and a suitable environment for pathogen establishment FRONTIERS IN MICROBIOLOGY Volume: 4 Article Number: 337 Published: NOV 19 2013, WOS
3. [1.2] Bazzocchi, C.a , Mariconti, M.b , Sasser, D.a , Rinaldi, L.c , Martin, E.a , Cringoli, G.c , Urbanelli, S.d , Genchi, C.a , Bandi, C.a , Epis, S. Molecular and serological evidence for the circulation of the tick symbiont Midichloria (Rickettsiales: Midichloriaceae) in different mammalian species Parasites and Vectors Volume 6, Issue 1, 12 December 2013, Article number 350, SCOPUS

ADDA102 ŠTIGLINCOVÁ, V. - CHALUPKOVÁ, A. - HRABOVSKÁ, Z. - ČIPKOVÁ, Jana - WÁGNEROVÁ, Magdaléna - MISTRÍKOVÁ, Jela. Vertical transmission of murine gammaherpesvirus 68 in mice. In *Acta Virologica : international journal*, 2011, vol. 55, no. 1, p. 55-59. (0.547 - IF2010). (2011 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Francois, S (Francois, Sylvie)[1] ; Vidick, S (Vidick, Sarah)[1] ; Sarlet, M (Sarlet, Mickael)[2] ; Desmecht, D (Desmecht, Daniel)[2] ; Drion, P (Drion, Pierre)[3] ; Stevenson, PG (Stevenson, Philip G.)(4] ; Vanderplasschen, A (Vanderplasschen, Alain)[1] ; Gillet, L Illumination of Murine Gammaherpesvirus-68 Cycle Reveals a Sexual Transmission Route from Females to Males in Laboratory Mice PLOS PATHOGENS Volume: 9 Issue: 4 Article Number: e1003292, 2013, WOS

ADDA103 ŠUBR, Zdeno W. - PITTNEROVÁ, S. - GLASA, Miroslav. A simplified RT-PCR based detection of recombinant Plum Pox virus isolates. In *Acta Virologica : international journal*, 2004, vol. 48, no. 3, p. 173 - 176. (0.683 - IF2003). (2004 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Vidal, E (Vidal, E.)(1] ; Zagrai, L (Zagrai, L.)(2] ; Milusheva, S (Milusheva, S.)(3] ; Bozhkova, V (Bozhkova, V.)(3] ; Tasheva-Terzieva, E (Tasheva-Terzieva, E.)(4] ; Kamenova, I (Kamenova, I.)(5] ; Zagrai, I (Zagrai, I.)(2] ; Cambra, M (Cambra, M.)(1] Horticultural mineral oil treatments in nurseries during aphid flights reduce Plum pox virus incidence under different ecological conditions ANNALS OF APPLIED BIOLOGY Volume: 162 Issue: 3 Pages: 299-308 DOI: 10.1111/aab.12022 Published: 2013, WOS
2. [1.2] James, D., Varga, A., Sanderson, D. Genetic diversity of Plum pox virus: Strains, disease and related challenges for control Canadian Journal of Plant Pathology 35 (4) , pp. 431-441, 2013, SCOPUS
3. [1.2] Hadersdorfer, J., Neumüller, M., Treutter, D. Blue LAMP supports the selection of prunus domestica genotypes with hypersensitivity resistance to the plum pox virus Acta Horticulturae 985 , pp. 141-148 ,2013, SCOPUS
4. [1.2] Polak, J.a , Jarošova, J.a, Kumar, J.a, Krška, B.b, Gogolková, K.b, Sochor, J.c, Kizek, R.c, Scorza, R.d, Ravelonandro, M. The evaluation of virus symptoms and fruit quality of GMO, PPV-resistant P. domestica 'HoneySweet' grown in the open field under a high and permanent infection

pressure of PPV, ACLSV, and PDV *Acta Horticulturae* Volume 974, 28 February 2013, Pages 65-70, SCOPUS

5. [1.1] Vidal, E (Vidal, E.)[1] ; Zagrai, L (Zagrai, L.)[2] ; Milusheva, S (Milusheva, S.)[3] ; Bozhkova, V (Bozhkova, V.)[3] ; Tasheva-Terzieva, E (Tasheva-Terzieva, E.)[4] ; Kamenova, I (Kamenova, I.)[5] ; Zagrai, I (Zagrai, I.)[2] ; Cambra, M (Cambra, M.)[1] Horticultural mineral oil treatments in nurseries during aphid flights reduce Plum pox virus incidence under different ecological conditions *ANNALS OF APPLIED BIOLOGY* Volume: 162 Issue: 3 Pages: 299-308 , 2013, WOS

ADDA104 ŠUBR, Zdeno W. - NOVÁKOVÁ, Slavomíra - DRAHOVSKÁ, H. Detection of transgene copy number by analysis of the T generation of tobacco plants with introduced P3 gene of Potato virus A. In *Acta Virologica : international journal*. - Bratislava : Virologický ústav SAV, 1957-, 2006, vol. 50, no. 2, p.135-138. (0.696 - IF2005). (2006 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.2] Yi, C., Hong, Y. Estimating the copy number of transgenes in transformed cotton by real-time quantitative PCR *Methods in Molecular Biology*, Volume 958, 2013, Pages 109-130, SCOPUS

ADDA105 ŠUBR, Zdeno W. - GLASA, Miroslav. Plum Pox Virus variability detected by the advanced analytical methods. In *Acta Virologica : international journal*, 2008, vol. 52, no. 2, p. 75-90. (0.560 - IF2007). (2008 - Current Contents, Current Awareness in Biological Sciences (CABS), Chemical Abstracts and Excerpta Medica database (EMBASE), Current Contents (Life Sciences)). ISSN 0001-723X.

Ohlasy:

1. [1.1] Chirkov, S (Chirkov, Sergei)[1] ; Ivanov, P (Ivanov, Peter)[1] ; Sheveleva, A (Sheveleva, Anna)[1] Detection and partial molecular characterization of atypical plum pox virus isolates from naturally infected sour cherry *ARCHIVES OF VIROLOGY* Volume: 158 Issue: 6 Pages: 1383-1387 DOI: 10.1007/s00705-013-1630-x Published: JUN 2013, WOS

ADDA106 ŠUBR, Zdeno W. - GLASA, Miroslav. Unfolding the secrets of plum pox virus: from epidemiology to genomics. In *Acta Virologica : international journal*, 2013, vol. 57, no. 2, p. 217-228. (0.759 - IF2012). (2013 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Russ, Gustav; Kopacek, Juraj Special issue of Acta virologica to the 60th anniversary of foundation of the Institute of Virology of the Slovak Academy of Sciences INTRODUCTION ACTA VIROLOGICA Volume: 57 Issue: 2 Special Issue: SI Pages: 88-90 Published: 2013, WOS
2. [1.2] James, D., Varga, A., Sanderson, D. Genetic diversity of Plum pox virus: Strains, disease and related challenges for control *Canadian Journal of Plant Pathology* 35 (4) , pp. 431-441, 2013, SCOPUS

ADDA107 BOROVSKÁ, Petra - KABÁT, Peter - FICOVÁ, Martina - TRNKA, Alfréd - SVETLÍKOVÁ, Darina - BETÁKOVÁ, Tatiana. Prevalence of avian influenza viruses, *Mycobacterium avium*, and *Mycobacterium avium*, subsp. *paratuberculosis* in marsh-dwelling passerines in Slovakia, 2008. In *Biológia*, 2011, vol. 66, no. 2, p. 282 - 287. (0.609 - IF2010). (2011 - Current Contents). ISSN 0006-3088.

Ohlasy:

1. [1.1] Kriz, P., Kaevska, M., Bartejsova, I., Pavlik, I. *Mycobacterium avium* subsp. *avium* Found in raptors exposed to infected domestic fowl *Avian Diseases* 57 (3) , pp. 688-692 , 2013, WOS

ADDA108 TARAGEL'OVÁ, Veronika - KOČI, Juraj - HANINCOVÁ, Klára - OLEKŠÁK, M. - LABUDA, Milan. Songbirds as hosts for ticks (Acari: Ixodidae) in Slovakia. In *Biológia*. - Bratislava : Veda, 1953-1993, 2005, vol. 60, no. 5, p. 529-537.

Ohlasy:

1. [1.1] Bona, Martin; Stanko, Michal First records of the tick *Ixodes frontalis* (Panzer, 1795) (Acari, Ixodidae) in Slovakia TICKS AND TICK-BORNE DISEASES Volume: 4 Issue: 6 Pages: 478-481 Published: 2013, WOS

ADDA109 TELLÉZ, A. - MORENO, J.S. - VALKOVÁ, Dana - DOMINGO, C. - ANDA, P. - DE ORY, Fr. - ALBARRÁN, F. - RAOULT, D. Q fever in pregnancy: Case report after a 2-year follow-up. In *Journal of Infection*, 1998, vol. 37, no.1, p.79-81. ISSN 0163-4453.

Ohlasy:

1. [1.1] Forland, F.ab, de Carvalho Gomes, H.a, Nokleby, H.ac, Escriva, A.a, Coulombier, D.a, Giesecke, J.a, Jansen, A.a Applicability of evidence-based practice in public health: Risk assessment on Q fever under an ongoing outbreak *Eurosurveillance* Volume 17, Issue 3, 19 January 2012, WOS

ADDA110 TOMAN, Rudolf - ŠKULTÉTY, Ľudovít - PALKOVIČOVÁ, Katarína - FLORES - RAMÍREZ, Gabriela - VADOVIČ, Pavol. Recent progress in glycomics and proteomics of the Q fever bacterium *Coxiella burnetii*. In *Acta Virologica : international journal*, 2013, vol. 57, no. 2, p. 229-237. (0.759 - IF2012). (2013 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Russ, Gustav; Kopacek, Juraj Special issue of Acta virologica to the 60th anniversary of foundation of the Institute of Virology of the Slovak Academy of Sciences INTRODUCTION ACTA VIROLOGICA Volume: 57 Issue: 2 Special Issue: SI Pages: 88-90 Published: 2013, WOS

ADDA111 TUREK, Róbert - GREŠÍKOVÁ, Milota - TŮMOVÁ, B. Isolation of influenza A virus and paramyxoviruses from sentinel domestic ducks. In *Acta Virologica : international journal*, 1984, vol. 28, no. 2, p. 156 - 158. (0.461 - IF1983). (1984 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.2] Kim, S.-H.a, Xiao, S.a, Shive, H.b, Collins, P.L.c, Samal, S.K. Mutations in the Fusion Protein Cleavage Site of Avian Paramyxovirus Serotype 4 Confer Increased Replication and Syncytium Formation In Vitro but Not Increased Replication and Pathogenicity in Chickens and Ducks *PLoS ONE* Volume 8, Issue 1, 18 January 2013, Article number e50598, SCOPUS

ADDA112 VADOVIČ, Pavol - FODOROVÁ, M. - TOMAN, Rudolf. Structural features of lipid A of *Piscirickettsia salmonis*, the etiological agent of the Salmonid rickettsial septicemia. In *Acta Virologica : international journal*, 2007, vol. 51, no. 4, p. 249-259. (0.788 - IF2006). (2007 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Kaszowska, M (Kaszowska, Marta)[1] ; Jachymek, W (Jachymek, Wojciech)[1] ; Lukasiewicz, J (Lukasiewicz, Jolanta)[1] ; Niedziela, T (Niedziela, Tomasz)[1] ; Kenne, L (Kenne, Lennart)[2] ; Lugowski, C (Lugowski, Czeslaw)[1,3] The unique structure of complete lipopolysaccharide isolated from semi-rough *Plesiomonas shigelloides* O37 (strain CNCTC 39/89) containing (2S)-O-(4-oxopentanoic acid)-alpha-D-Glcp (alpha-D-Lenose) The unique structure of complete lipopolysaccharide isolated from semi-rough *Plesiomonas shigelloides* O37 (strain CNCTC 39/89) containing (2S)-O-(4-oxopentanoic acid)-alpha-D-Glcp (alpha-D-Lenose) CARBOHYDRATE RESEARCH Volume: 378 Pages: 98-107, 2013, WOS
2. [1.1] Rojas, ME (Rojas, M. E.)[1] ; Galleguillos, M (Galleguillos, M.)[2] ; Diaz, S (Diaz, S.)[1] ; Machuca, A (Machuca, A.)[1] ; Carbonero, A (Carbonero, A.)[3] ; Smith, PA (Smith, P. A.)[1] Evidence of exotoxin secretion of *Piscirickettsia salmonis*, the causative agent of piscirickettsiosis *JOURNAL OF FISH DISEASES* Volume: 36 Issue: 8 Pages: 703-709, 2013,, WOS

ADDA113 VALENTA, V. - GRESSNEROVÁ, M. - MARCINKA, Kamil - NERMUT, M.V. Some properties of pea green mottle virus, a member of the cowpea mosaic group, isolated in Czechoslovakia. In *Acta Virologica : international journal*, 1969, vol. 13, no. 5, p. 422-434. ISSN 0001-723X.

Ohlasy:

1. [1.1] Russ, Gustav; Kopacek, Juraj Special issue of Acta virologica to the 60th anniversary of foundation of the Institute of Virology of the Slovak Academy of Sciences INTRODUCTION ACTA VIROLOGICA Volume: 57 Issue: 2 Special Issue: SI Pages: 88-90 Published: 2013, WOS

ADDA114 VAREČKOVÁ, Eva - WHARTON, S.A. - MUCHA, Vojtech - GOCNÍK, Michal - KOSTOLANSKÝ, František. A monoclonal antibody specific to the HA2 glycoprotein of influenza A virus hemagglutinin that

inhibits its fusion activity reduces replication of the virus. In *Acta Virologica : international journal*. - Bratislava : Virologický ústav SAV, 1957-, 2003, vol. 47, no. 4, p. 229 - 236. (0.660 - IF2002). (2003 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Krammer, Florian; Palese, Peter Influenza virus hemagglutinin stalk-based antibodies and vaccines CURRENT OPINION IN VIROLOGY Volume: 3 Issue: 5 Pages: 521-530 Published: OCT 2013, WOS

ADDA115 VAREČKOVÁ, Eva - MUCHA, Vojtech - KOSTOLANSKÝ, František. HA2 glycopolypeptide of influenza A virus and antiviral immunity. In *Acta Virologica : international journal*, 2013, vol. 57, no. 2, p. 247 - 256. (0.759 - IF2012). (2013 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Russ, Gustav; Kopacek, Juraj Special issue of Acta virologica to the 60th anniversary of foundation of the Institute of Virology of the Slovak Academy of Sciences INTRODUCTION ACTA VIROLOGICA Volume: 57 Issue: 2 Special Issue: SI Pages: 88-90 Published: 2013, WOS

ADDA116 WEISMANN, Peter - LABUDA, Milan - KOŽUCH, Otto. Dual infection of ixodes ricinus ticks with two viruses of the tick-borne encephalitis complex. In *Acta Virologica*, 1990, vol. 34, no. 4, p. 353-357. (1990 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.2] Ytrehus, B.a , Vainio, K.b, Dudman, S.G.b, Gilray, J.c, Willoughby, K. Tick-borne encephalitis virus and louping-ill virus may co-circulate in Southern Norway Vector-Borne and Zoonotic Diseases Volume 13, Issue 10, 1 October 2013, Pages 762-768, SCOPUS

ADDA117 ZAŤOVIČOVÁ, Miriam - PASTOREKOVÁ, Silvia. Modulation of cell surface density of carbonic anhydrase IX by shedding of the ectodomain and endocytosis. In *Acta Virologica : international journal*, 2013, vol. 57, no. 2, p. 257-264. (0.759 - IF2012). (2013 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] Russ, Gustav; Kopacek, Juraj Special issue of Acta virologica to the 60th anniversary of foundation of the Institute of Virology of the Slovak Academy of Sciences INTRODUCTION ACTA VIROLOGICA Volume: 57 Issue: 2 Special Issue: SI Pages: 88-90 Published: 2013, WOS

ADDA118 ZELNÍK, Vladimír - LAPUNÍKOVÁ, Barbora - KÚDELOVÁ, Marcela. Marek's Disease: rapid progress in research with unclear biological implementations. In *Acta Virologica : international journal*, 2013, vol. 57, no. 2, p. 265-270. (0.759 - IF2012). (2013 - Current Contents). ISSN 0001-723X.

Ohlasy:

1. [1.1] RUSS, G. ; KOPACEK, J. Special issue of Acta virologica to the 60th anniversary of foundation of the Institute of Virology of the Slovak Academy of Sciences INTRODUCTION ACTA VIROL. 2013, 57(2), p.88-90, WOS

ADDB Vedecké práce v domácich karentovaných časopisoch neimpaktovaných

ADDB01 NOSEK, Jozef - RAJČÁNI, Július - KOŽUCH, Otto. Reaction of the host to the tick bite. III. The bite of viruliferous Ixodes ricinus female. In *Zentralblatt für Bakteriologie, Mikrobiologie und Hygiene. 1. Abt. Originale. A, Medizinische Mikrobiologie, Infektionskrankheiten und Parasitologie*, 1978, vol. 242, no. 2, p. 141-147. (1978 - Current Contents). ISSN 0721-9571.

Ohlasy:

1. [1.2] Richter, D.abd , Matuschka, F.-R.ab, Spielman, A.b, Mahadevan, L How ticks get under your skin: Insertion mechanics of the feeding apparatus of Ixodes ricinus ticks Volume 280, Issue 1773, 30 October 2013, SCOPUS
2. [1.2] Mulenga, A. , Kim, T., Ibelli, A.M.G. Amblyomma americanum tick saliva serine protease inhibitor 6 is a cross-class inhibitor of serine proteases and papain-like cysteine proteases that delays plasma clotting and inhibits platelet aggregation Insect Molecular Biology Volume 22, Issue 3, June 2013, Pages 306-319, SCOPUS

ADEA Vedecké práce v zahraničných nekarentovaných časopisoch impaktovaných

ADEA01 HOWE, D. - MELNIČÁKOVÁ, Jana - BARROWS, L.F. - BARÁK, Imrich - HEINZEN, R.A. Fusogenic properties of the Coxiella burnetii parasitophorous vacuole. In *Annals of the New York Academy of Sciences*, 2003, vol. 990, p. 556-562. (1.682 - IF2002). ISSN 0077-8923.

Ohlasy:

1. [1.2] Mottola, G.ab, Boucherit, N.a, Abnave, P.a, Ghigo, E. Q fever and Coxiella burnetii: Immune response and pathogenesis Immunology, Endocrine and Metabolic Agents in Medicinal Chemistry Volume 12, Issue 4, 2012, Pages 303-316, SCOPUS
2. [1.1] SHERWOOD, R.K. - ROY, C.R. A Rab-Centric Perspective of Bacterial Pathogen-Occupied Vacuoles. In CELL HOST & MICROBE. SEP 11 2013, vol. 14, no. 3, p. 256-268., WOS
3. [1.1] VAN SCHAİK, E.J. - CHEN, C. - MERTENS, K. - WEBER, M.M. - SAMUEL, J.E. Molecular pathogenesis of the obligate intracellular bacterium Coxiella burnetii. In NATURE REVIEWS MICROBIOLOGY. AUG 2013, vol. 11, no. 8, p. 561-573., WOS
4. [1.1] NEWTON, H.J. - MCDONOUGH, J.A. - ROY, C.R. Effector Protein Translocation by the Coxiella burnetii Dot/Icm Type IV Secretion System Requires Endocytic Maturation of the Pathogen-Occupied Vacuole. In PLOS ONE. JAN 17 2013, vol. 8, no. 1. Article number e54566, WOS
5. [1.1] MCDONOUGH, J.A. - NEWTON, H.J. - KLUM, S. - SWISS, R. - AGAISSE, H. - ROY, C.R. Host Pathways Important for Coxiella burnetii Infection Revealed by Genome-Wide RNA Interference Screening. In MBIO. JAN-FEB 2013, vol. 4, no. 1., WOS
6. [1.1] MCDONOUGH, J.A. - NEWTON, H.J. - ROY, C.R. Coxiella burnetii Secretion Systems. In COXIELLA BURNETII: RECENT ADVANCES AND NEW PERSPECTIVES IN RESEARCH OF THE Q FEVER BACTERIUM. 2012, vol. 984, p. 171-197., WOS

ADEA02 KAZIMÍROVÁ, Mária - ŠTIBRÁNIOVÁ, Iveta. Tick salivary compounds: their role in modulation of host defences and pathogen transmission. In *Frontiers in Cellular and Infection Microbiology / Front. Cell. Infect. Microbiol. : Specialty Journal of Frontiers in Microbiology.*, 2013, vol. 3, article 43, 19 p. ISSN 2235-2988 (el). Dostupné na internete:
<http://www.frontiersin.org/Cellular_and_Infection_Microbiology/10.3389/fcimb.2013.00043/abstract>.

Ohlasy:

1. [1.1] WIKEL Stephen (2013) Ticks and tick-borne pathogens at the cutaneous interface: host defenses, tick countermeasures, and a suitable environment for pathogen establishment FRONTIERS IN MICROBIOLOGY Volume: 4 Article Number: 337 Published: NOV 19 2013, WOS

ADEA03 LITERÁK, I. - ŘEHÁČEK, Josef. Q fever distribution and importance of this disease in Czech Republic and in the Slovak Republic. In *Veterinární medicína*, 1996, vol. 41, no. 2, p. 45 - 63. (0.250 - IF1995). ISSN 0375-8427.

Ohlasy:

1. [1.1] Chmielewski, Tomasz; Tylewska-Wierzbanowska, Stanisława Q fever outbreaks in Poland during 2005-2011 , 2013, WOS

ADEB Vedecké práce v zahraničných nekarentovaných časopisoch neimpaktovaných

ADEB01 ERNEK, E. - KOŽUCH, Otto - NOSEK, Jozef - TEPLAN, J. - FOLK, C. Arboviruses in birds captured in Slovakia. In *Journal of hygiene, epidemiology, microbiology and immunology*, 1977, vol. 21, no. 3, p.353-359. ISSN 0022-1732.

Ohlasy:

1. [1.2] Valiakos, G.ab, Touloudi, A.ab, Athanasiou, L.V.bc, Giannakopoulos, A.a, Iacovakis, C.ab, Birtsas, P.de, Spyrou, V.f, Dalabiras, Z.b, Petrovska, L.g, Billinis, C. Exposure of Eurasian magpies and turtle doves to West Nile virus during a major human outbreak, Greece, 2011 European Journal of Wildlife Research Volume 58, Issue 4, 2012, Pages 749-753, SCOPUS
2. [1.2] Movila, A.ab , Alekseev, A.N.a, Dubinina, H.V.a, Toderas, I. Detection of tick-borne

pathogens in ticks from migratory birds in the Baltic region of Russia Medical and Veterinary Entomology Volume 27, Issue 1, March 2013, Pages 113-117, SCOPUS

ADEB02 GLASA, Miroslav - BOEGLIN, M. - LABONNE, G. Aphid transmission of natural recombinant Plum Pox Virus isolates to different prunus spp.-A contribution for understanding the epidemiology of an atypical PPV. In *Acta Horticulturae*, 2004, vol. 657, p.217-220. ISSN 0567-7572.

Ohlasy:

1. [1.1] Caglayan, K (Caglayan, K.)[1] ; Serce, CU (Serce, C. U.)[1] ; Gazel, M (Gazel, M.)[1] ; Kaya, K (Kaya, K.)[1] ; Cengiz, FC (Cengiz, F. C.)[1] ; Vidal, E (Vidal, E.)[2] ; Cambra, M (Cambra, M.)
EVALUATION OF THE SUSCEPTIBILITY OF DIFFERENT PRUNUS ROOTSTOCKS TO NATURAL INFECTION OF PLUM POX VIRUS-T JOURNAL OF PLANT PATHOLOGY Volume: 95 Issue: 3 Pages: 579-586, 2013, WOS

ADEB03 GREŠÍKOVÁ, Milota - ŘEHÁČEK, Josef. Isolierung des Zeckenenzephalitisvirus aus Blut und Milch von Haustieren (Schaf und Kuh) nach Infektion durch Zecken der Gattung Ixodes ricinus L. In *Archiv für die gesamte Virusforschung*, 1959, vol.9, no. 3, p.360-364. ISSN 0003-9012.

Ohlasy:

1. [1.2] Klaus, C.a , Beer, M.a, Saier, R.b, Schau, U.c, Moog, U.c, Hoffmann, B.a, Diller, R.a, Süß, J. Goats and sheep as sentinels for tick-borne encephalitis (TBE) virus - Epidemiological studies in areas endemic and non-endemic for TBE virus in Germany Ticks and Tick-borne Diseases Volume 3, Issue 1, February 2012, Pages 27-37, SCOPUS

ADEB04 JAMES, D. - GLASA, Miroslav. Causal agent of sharka disease: new and emerging events associated with Plum pox virus characterization. In *EPPO Bulletin*, 2006, vol., no., p. ISSN 02508052.

Ohlasy:

1. [1.1] Scorza, R (Scorza, Ralph)[1] ; Callahan, A (Callahan, Ann)[1] ; Dardick, C (Dardick, Chris)[1] ; Ravelonandro, M (Ravelonandro, Michel)[2] ; Polak, J (Polak, Jaroslav)[3] ; Malinowski, T (Malinowski, Tadeusz)[4] ; Zagrai, I (Zagrai, Ioan)[5] ; Cambra, M (Cambra, Mariano)[6] ; Kamenova, I (Kamenova, Ivanka) Genetic engineering of Plum pox virus resistance: 'HoneySweet' plum-from concept to product PLANT CELL TISSUE AND ORGAN CULTURE Volume: 115 Issue: 1 Pages: 1-12 , 2013, WOS
2. [1.2] Sheveleva, A., Kudryavtseva, A., Speranskaya, A., Belenikin, M., Melnikova, N., Chirkov, S. Complete genome sequence of a novel Plum pox virus strain W isolate determined by 454 pyrosequencing Virus Genes 47 (2) , pp. 385-388, 2013, SCOPUS

ADEB05 KOŽUCH, Otto - NOSEK, Jozef - LYSÝ, J. Prevalence of the tick-borne encephalitis virus, its vectors and hosts in the Zahorska lowland. In *Československá epidemiologie, mikrobiologie, imunologie-časopis Společnosti čs. mikrobiologů a epidemiologů*, 1983, vol. 32, no. 3, p. 154 - 164. ISSN 0009-0522.

Ohlasy:

1. [1.2] Poláčiková, Z. Ecology of mites (Acarina) on small mammals (Eulipotyphla, Rodentia) in Podunajská nížina plain Biologia (Poland) Volume 68, Issue 1, January 2013, Pages 162-169, SCOPUS

ADEB06 MALI, V.R. - ŠUBR, Zdeno W. - KÚDELA, Otakar. Seed Transmission of Como and potyviruses in Fababean and Vetch Cultivars introduced into Slovakia. In *Acta phytopathologica et entomologica Hungarica*. - Budapest : Akadémiai Kiadó, 2003, vol. 38, no. 1-2, p. 87-97. ISSN 0238-1249.

Ohlasy:

1. [3] Sastry, KS Seed-borne plant virus diseases. Plant Virus Transmission Through Vegetative Propagules (Asexual Reproduction) (book chapter) pp 285-305, Springer India, ISBN: 978-81-322-0812-9 (Print) 978-81-322-0813-6 (Online), 2013

ADEB07 MOLNÁR, E. - GULYÁS, M.S. - KUBINYI, L. - NOSEK, Jozef - KOŽUCH, Otto - ERNEK, E. - LABUDA, Milan - GRULICH, I. Studies on the occurrence of ticks-borne encephalitis in Hungary. In *Acta veterinaria Academiae Scientiarum Hungaricae*. - Budapest : Academia Scientiarum Hungarica : Akadémiai Kiado, 1951-1982, 1976, vol. 26, no. 4, p. 419 - 437. ISSN 0001-7205.

Ohlasy:

1. [1.2] Hubálek, Z. , Rudolf, I. Tick-borne viruses in Europe Parasitology Research Volume 111, Issue 1, July 2012, Pages 9-36, SCOPUS
2. [1.2] Jeffrey Root, J. West Nile virus associations in wild mammals: A synthesis Archives of Virology Volume 158, Issue 4, 2013, Pages 735-752, SCOPUS

ADEB08 NOSEK, Jozef - KOŽUCH, Otto. Replication of tick-borne encephalitis (TBE) virus in ticks *Dermacentor marginatus*. In *Angewandte Parasitologie*, 1985, vol. 26, no. 2, p. 97-101. ISSN 0003-3162.

Ohlasy:

1. [1.2] Hubálek, Z. , Rudolf, I. ick-borne viruses in Europe Parasitology Research Volume 111, Issue 1, July 2012, Pages 9-36, SCOPUS

ADEB09 RADA, Břetislav - DRAGÚŇ, Marián. Antiviral action and selectivity of 6 azauridine. In *Annals of the New York Academy of Sciences*, 1977, vol. 284, p. 410 - 417. ISSN 0077-8923.

Ohlasy:

1. [1.2] Kim, S.-M.a , Park, J.-H.a, Lee, K.-N.a, Kim, S.-K.a, Ko, Y.-J.a, Lee, H.-S.a, Cho, I.-S. Enhanced inhibition of foot-and-mouth disease virus by combinations of porcine interferon- α and antiviral agents Antiviral Research Volume 96, Issue 2, November 2012, Pages 213-220, SCOPUS
2. [1.2] Kaur, P., Chu, J.J.H. Chikungunya virus: An update on antiviral development and challenges Drug Discovery Today 8 (19-20), pp. 969-983, 2013, SCOPUS

ADEB10 RAJČÁNI, Július - KÚDELOVÁ, Marcela. Murine herpesvirus pathogenesis: A model for the analysis of molecular mechanisms of human gamma Herpesvirus infections. In *Acta Microbiologica et Immunologica Hungarica*. - Budapest : Akadémiai Kiado, 2005, vol. 52, no. 1, p. 41 - 71.

Ohlasy:

1. [1.1] Chauhan, VS (Chauhan, Vinita S.)[1] ; Nelson, DA (Nelson, Daniel A.)[1] ; Das Roy, L (Das Roy, Lopamudra)[1] ; Mukherjee, P (Mukherjee, Pinku)[1] ; Bost, KL Exacerbated metastatic disease in a mouse mammary tumor model following latent gammaherpesvirus infection INFECTIOUS AGENTS AND CANCER Volume: 7, Article Number: UNSP 11, 2012, SCOPUS
2. [1.1] Chauhan, VS (Chauhan, Vinita S.)[1] ; Nelson, DA (Nelson, Daniel A.)[1] ; Marriott, I (Marriott, Ian)[1] ; Bost, KL Alpha beta-crystallin expression and presentation following infection with murine gammaherpesvirus 68 AUTOIMMUNITY Volume: 46 Issue: 6 Pages: 399-408, 2013, WOS

ADEB11 ŘEHÁČEK, Josef. Ecological relationships between ticks and rickettsiae. In *European Journal of Epidemiology*, 1989, vol. 5, no. 4, p. 407 - 413. ISSN 0393-2990.

Ohlasy:

1. [1.1] Martello, E (Martello, Elisa)[1] ; Selmi, M (Selmi, Marco); Ragagli, C (Ragagli, Charlotte)[2] ; Ambrogio, C (Ambrogio, Cecilia)[2] ; Stella, MC (Stella, Maria Cristina)[1] ; Mannelli, A (Mannelli, Alessandro)[1] ; Tomassone, L. Rickettsia slovaca in immature Dermacentor marginatus and tissues from Apodemus spp. in the northern Apennines, Italy TICKS AND TICK-BORNE DISEASES Volume: 4 Issue: 6 Pages: 518-521, 2013, WOS

ADEB12 ŘEHÁČEK, Josef - LIEBISCH, A. - URVÖLGYI, Juraj - KOVÁČOVÁ, Elena. Rickettsiae of the spotted fever isolated from Dermacentor marginatus ticks in South Germany. In *Zentralblatt für Bakteriologie, Mikrobiologie und Hygiene. 1. Abt. Originale. A, Medizinische Mikrobiologie, Infektionskrankheiten und Parasitologie*, 1977, vol. 239, no. 2, p. 275 - 281. ISSN 0721-9571.

Ohlasy:

1. [1.2] Petney, T.N. , Pfäffle, M.P., Skuballa, J.D. An annotated checklist of the ticks (Acari: Ixodida) of Germany Systematic and Applied Acarology Volume 17, Issue 2, 25 June 2012, Pages 115-170, SCOPUS
2. [1.2] Sonnleitner, S.T.ab , Simeoni, J.c, Lang, S.g, Dobler, G.d, Speck, S.d, Zelger, R.e, Schennach, H.f, Lass-Flörl, C.a, Walder, G.ab Spotted fever group - rickettsiae in the tyrols: Evidence by

seroepidemiology and PCR Zoonoses and Public Health Volume 60, Issue 4, June 2013, Pages 284-290, SCOPUS

ADEB13 ŘEHÁČEK, Josef - ŽUPANČICOVÁ, M. - KOVÁČOVÁ, Elena - URVÖLGYI, Juraj - BREZINA, Rudolf. Study of rickettsioses in Slovakia. II. Infestation of fleas and mites in mole nests in some localities in Central Slovakia with *C. burneti* and rickettsiae belonging to the spotted fever (SF) group. In *Journal of hygiene, epidemiology, microbiology and immunology*, 1975, vol. 19, no. 3, p. 329-339. ISSN 0022-1732.

Ohlasy:

1. [1.2] Sekeyová, Z.a , Socolovschi, C.b, Špitalská, E.a, Kocianová, E.a, Boldiš, V.c, Quevedo Diaz, M.a, Berthová, L.a, Boháčsová, M.a, Valáriková, J.a, Edouard Fournier, P.b, Raoult, D. Update on Rickettsioses in Slovakia *Acta Virologica* Volume 57, Issue 2, 2013, Pages 180-199, SCOPUS
2. [1.2] Martello, E.a, Selmi, M.b, Ragagli, C.c, Ambroggi, C.c, Stella, M.C.a, Mannelli, A.a, Tomassone, L. Rickettsia slovacica in immature Dermacentor marginatus and tissues from Apodemus spp. in the northern Apennines, Italy *Ticks and Tick-borne Diseases* Volume 4, Issue 6, December 2013, Pages 518-521, SCOPUS

ADEB14 ŘEHÁČEK, Josef - PALANOVÁ, A. - ŽUPANČICOVÁ, M. - URVÖLGYI, Juraj - KOVÁČOVÁ, Elena - JARÁBEK, Ľ. - BREZINA, Rudolf. Study of rickettsioses in Slovakia. I. Coxiella burnetii and rickettsiae of the spotted fever (SF) group in ticks and serological surveys in animals and humans in certain selected localities in the Lucenec and V. Krtis districts. In *Journal of hygiene, epidemiology, microbiology and immunology*, 1975, vol. 19, no.1, p. 105-115. ISSN 0022-1732.

Ohlasy:

1. [1.2] Sekeyová, Z.a , Socolovschi, C.b, Špitalská, E.a, Kocianová, E.a, Boldiš, V.c, Quevedo Diaz, M.a, Berthová, L.a, Boháčsová, M.a, Valáriková, J.a, Edouard Fournier, P.b, Raoult, D. Update on Rickettsioses in Slovakia *Acta Virologica* Volume 57, Issue 2, 2013, Pages 180-199, SCOPUS

ADEB15 ŘEHÁČEK, Josef - ŽUPANČICOVÁ, M. - KOVÁČOVÁ, Elena. Study of rickettsioses in Slovakia. III. Experimental infection of Apodemus flavicollis Melch. by rickettsiae of the spotted fever (SF) group isolated in Slovak. In *Journal of hygiene, epidemiology, microbiology and immunology*, 1976, vol. 20, no. 3, p. 306-313. ISSN 0022-1732.

Ohlasy:

1. [1.2] Martello, E.a, Selmi, M.b, Ragagli, C.c, Ambroggi, C.c, Stella, M.C.a, Mannelli, A.a, Tomassone, L. Rickettsia slovacica in immature Dermacentor marginatus and tissues from Apodemus spp. in the northern Apennines, Italy *Ticks and Tick-borne Diseases* Volume 4, Issue 6, December 2013, Pages 518-521, SCOPUS
2. [1.2] Sekeyová, Z.a , Socolovschi, C.b, Špitalská, E.a, Kocianová, E.a, Boldiš, V.c, Quevedo Diaz, M.a, Berthová, L.a, Boháčsová, M.a, Valáriková, J.a, Edouard Fournier, P.b, Raoult, D. Update on Rickettsioses in Slovakia *Acta Virologica* Volume 57, Issue 2, 2013, Pages 180-199, SCOPUS

ADEB16 SCHWARZOVÁ, Katarína - KOŠŤANOVÁ, Z. - HOLEČKOVÁ, K. - ŠPITÁLSKA, Eva - BOLDIŠ, Vojtech. Direct detection of Borrelia burgdorferi spirochetes in patients with early disseminated Lyme borreliosis. In *Central European Journal of Public Health*, 2009, vol. 17, no.4, p. 179 - 182.

Ohlasy:

1. [1.1] Petroušová, L.a , Rožnovský, L.a, Zelená, H.b, Pomiklová, M.b, Vidličková, I.b, Mrázek, J. The use of electron microscopy and virus isolation in the diagnosis of aseptic neuroinfections *Klinická Mikrobiologie a Infekční Lekarství* Volume 19, Issue 3, 2013, Pages 85-90, WOS

ADEB17 WANDELER, A. - STECK, F. - FANKHAUSER, R. - GREŠÍKOVÁ, Milota - BLÁŠKOVIČ, Dionýz. Isolation of the virus of Central European tick-borne encephalitis in Switzerland. In *Pathologia et microbiologia*, 1972, vol. 38, no. 4, p. 258-270. ISSN 0031-2959.

Ohlasy:

1. [1.2] Saenger, K.a , Danner, K.-J.b, Maurer, M.c, Bagó, Z. Tick-borne encephalitis (TBE) in a dog - Case report [FSME bei einem Hund] *Praktische Tierarzt* Volume 94, Issue 5, 1 May 2013, Pages 392-396, SCOPUS

ADFA Vedecké práce v domácich nekarentovaných časopisoch impaktovaných

ADFA01 KOČIANOVÁ, Elena - KOŽUCH, Otto. A contribution to the parasite fauna in winter nests of the common mole /*Talpa Europaea* L./ and incidence of its infection with tick-borne encephalitis virus /Tbe/ and Rickettsia Coxiella Burnetii. In *Folia Parasitologica*, 1988, vol. 35, no. 2, p. 175-180.

Ohlasy:

1. [1.1] Sekeyova, Z (Sekeyova, Z.)[1] ; Socolovschi, C (Socolovschi, C.)[2] ; Spitalska, E (Spitalska, E.)[1] ; Kocianova, E (Kocianova, E.)[1] ; Boldis, V (Boldis, V.)[3] ; Diaz, MQ (Diaz, M. Quevedo)[1] ; Berthova, L (Berthova, L.)[1] ; Bohacsova, M (Bohacsova, M.)[1] ; Valarikova, J (Valarikova, J.)[1] ; Fournier, PE (Fournier, P. Edouard)[2] ; Raoult, D Update on Rickettsioses in Slovakia ACTA VIROLOGICA Volume: 57 Issue: 2 Pages: 180-199 Special Issue: SI, 2013, WOS

ADFB Vedecké práce v domácich nekarentovaných časopisoch neimpaktovaných

ADFB01 KOVÁČOVÁ, Elena - KAZÁR, Ján. Rickettsial and their serological diagnosis. In *Clinical Laboratory*, 2000, vol. 46, p. 239-245.

Ohlasy:

1. [1.1] Van den Brom, R (Van den Brom, R.)[1] ; Moll, L (Moll, L.)[1] ; van Schaik, G (van Schaik, G.)[2] ; Vellema, P (Vellema, P.)[1] Demography of Q fever seroprevalence in sheep and goats in The Netherlands in 2008 PREVENTIVE VETERINARY MEDICINE Volume: 109 Issue: 1-2 Pages: 76-82 DOI: 10.1016/j.prevetmed.2012.09.002 Published: APR 1 2013, WOS
2. [1.1] Woods, Charles R. Rocky Mountain Spotted Fever in Children PEDIATRIC CLINICS OF NORTH AMERICA Volume: 60 Issue: 2 Pages: 455-+ Published: APR 2013, WOS
3. [1.1] Sekeyova, Z (Sekeyova, Z.)[1] ; Socolovschi, C (Socolovschi, C.)[2] ; Spitalska, E (Spitalska, E.)[1] ; Kocianova, E (Kocianova, E.)[1] ; Boldis, V (Boldis, V.)[3] ; Diaz, MQ (Diaz, M. Quevedo)[1] ; Berthova, L (Berthova, L.)[1] ; Bohacsova, M (Bohacsova, M.)[1] ; Valarikova, J (Valarikova, J.)[1] ; Fournier, PE (Fournier, P. Edouard)[2] ; Raoult, D Update on Rickettsioses in Slovakia ACTA VIROLOGICA Volume: 57 Issue: 2 Pages: 180-199 Special Issue: SI, 2013, WOS

ADFB02 RIEDL, H. - KOŽUCH, Otto - SIXL, W. - SCHMELLER, E. - NOSEK, Jozef. Isolation of the tick-borne encephalitis virus (TBE-virus) from the tick *Haemaphysalis concinna* Koch. In *Archiv für Hygiene und Bakteriologie*, 1971, vol. 154, no. 6, p. 610 - 611. ISSN 0003-9144.

Ohlasy:

1. [1.2] Hubálek, Z. , Rudolf, I. Tick-borne viruses in Europe Parasitology Research Volume 111, Issue 1, July 2012, Pages 9-36, SCOPUS

AFC Publikované príspevky na zahraničných vedeckých konferenciách

AFC01 KLEMPA, Boris - MAČÁKOVÁ, Katarína - LABUDA, Milan - KÚDELOVÁ, Marcela. The detection of murine herpesvirus (MHV) among free/living rodents by nested PCR. In *IDR The Infectious Disease Review. Supplement No.3 : First International Conference on Bacterial and Viral Virulence Factors 24.-28.9.2000*, 2001, suppl. 3, p. 113 - 115.

Ohlasy:

1. [1.2] CIPKOVÁ-JARCUŠKOVÁ J, CHALUPKOVÁ A, HRABOVSKÁ Z, WÁGNEROVÁ M, MISTRÍKOVÁ J. Biological and pathogenetic characterization of different isolates of murine gammaherpesvirus 68 (MHV-68) in the context of study of human oncogenic gammaherpesviruses ACTA VIROLOGICA 2013 57, p105-112, SCOPUS

AFG Abstrakty príspevkov zo zahraničných konferencií

AFG01 BOLDIŠ, Vojtech - KOČIANOVÁ, Elena - STRUS, J. - ZNIDARIC, M.T. - SPARAGANO, O.A.E. - ŠPITÁLSKA, Eva. Rickettsial agents in Slovakia ticks (Acarina, Ixodidae) and their ability to grow in vero and L929 cell lines. In Society for tropical veterinary medicine. *Animal Biodiversity and Emerging Diseases - 9th Biennial Conference*. - Merida, Yucatán, 2007, s.82.

Ohlasy:

1. [1.2] Melter, O. News on bartonella infections (Review) [Novinky v problematice bartonelových infekcií] Klinicka Mikrobiologie a Infekcni Lekarstvi Volume 19, Issue 2, 2013, Pages 36-44, SCOPUS

Štatistika: kategória ohlasov

1.1	Citácie v zahraničných publikáciách registrované v citačných indexoch Web of Science	1193
1.2	Citácie v zahraničných publikáciách registrované v databáze Scopus	394
2.1	Citácie v domácich publikáciách registrované v citačných indexoch Web of Science	2
3	Citácie v zahraničných publikáciách neregistrované v citačných indexoch	23
4	Citácie v domácich publikáciách neregistrované v citačných indexoch	6
9	Citácie v zahraničných publikáciách registrované v iných vedeckých citačných databázach, ako je Web of Science a Scopus.	1
Súčet		1619

Údaje o pedagogickej činnosti VÚ SAV

Semestrálne prednášky:

▪ **RNDr. Ivan Košík, PhD.**

Názov semestrálneho predmetu: ***Imunológia vírusových nákaz***

Počet hodín za semester: 2

Názov katedry a vysokej školy: Katedra Mikrobiológie a virológie, Prírodovedecká fakulta UK v Bratislave

Názov semestrálneho predmetu: ***Molekulárna Imunológia***

Počet hodín za semester: 26

Názov katedry a vysokej školy: Katedra Molekulárnej biológie, Prírodovedecká fakulta UK v Bratislave

Názov semestrálneho predmetu: ***Vybrané kapitoly z genetiky***

Počet hodín za semester: 2

Názov katedry a vysokej školy: Katedra genetiky, Prírodovedecká fakulta UK v Bratislave

▪ **RNDr. Marcela Kúdelová, DrSc.**

Názov semestrálneho predmetu: ***Vybrané kapitoly z virológie - Molekulárna diagnostika vírusov***

Počet hodín za semester: 4

Názov katedry a vysokej školy: Katedra mikrobiológie a virológie, Prírodovedecká fakulta UK v Bratislave

▪ **prof. RNDr. Silvia Pastoreková, DrSc.**

Názov semestrálneho predmetu: ***Biosyntéza vírusov***

Počet hodín za semester: 13

Názov katedry a vysokej školy: Katedra mikrobiológie a virológie, Prírodovedecká fakulta UK v Bratislave

Názov semestrálneho predmetu: ***Bunková a molekulárna biológia rakoviny***

Počet hodín za semester: 26

Názov katedry a vysokej školy: Katedra molekulárnej biológie, Prírodovedecká fakulta UK v Bratislave

Názov semestrálneho predmetu: ***Regulácia expzie génov v eukaryotoch***

Počet hodín za semester: 26

Názov katedry a vysokej školy: Katedra molekulárnej biológie, Prírodovedecká fakulta UK v Bratislave

▪ **Ing. Ľudovít Škultéty, PhD.**

Názov semestrálneho predmetu: ***Vybrané kapitoly z mikrobiológie***

Počet hodín za semester: 4

Názov katedry a vysokej školy: Katedra mikrobiológie a virológie, Prírodovedecká fakulta UK v Bratislave

▪ **Ing. Jana Tomášková, PhD.**

Názov semestrálneho predmetu: ***Vybrané kapitoly z biochémie a molekulárnej biológie***

Počet hodín za semester: 2

Názov katedry a vysokej školy: Katedra biochémie, Prírodovedecká fakulta UK v Bratislave

Semestrálne cvičenia:

▪ **Mgr. Jaroslav Hollý**

Názov semestrálneho predmetu: ***Základné cvičenia z virológie***

Počet hodín za semester: 12

Názov katedry a vysokej školy: Katedra mikrobiológie a virológie , Prírodovedecká fakulta UK v Bratislave

▪ **Mgr. Margaréta Práznovská**

Názov semestrálneho predmetu: ***Základné cvičenia z virológie***

Počet hodín za semester: 12

Názov katedry a vysokej školy: Katedra mikrobiológie a virológie , Prírodovedecká fakulta UK v Bratislave

▪ **Ing. Ľudovít Škultéty, PhD.**

Názov semestrálneho predmetu: ***Vybrané kapitoly z mikrobiológie***

Počet hodín za semester: 4

Názov katedry a vysokej školy: Katedra mikrobiológie a virológie, Prírodovedecká fakulta UK v Bratislave

▪ **RNDr. Zdeno Šubr, CSc.**

Názov semestrálneho predmetu: ***Vírusy rastlín a hmyzu***

Počet hodín za semester: 20

Názov katedry a vysokej školy: Katedra mikrobiológie a virológie , Prírodovedecká fakulta UK v Bratislave

Semináre:

▪ **MVDr. Juraj Kopáček, DrSc.**

Názov semestrálneho predmetu: ***Biochemické metódy vo virológii***

Počet hodín za semester: 26

Názov katedry a vysokej školy: Katedra mikrobiológie a virológie, Prírodovedecká fakulta UK v Bratislave

Terénne cvičenia:

v sledovanom období žiadne

Individuálne prednášky:

▪ **RNDr. Boris Klempa, PhD.**

Názov semestrálneho predmetu: ***Vybrané kapitoly z virológie***

Počet hodín za semester: 2

Názov katedry a vysokej školy: Katedra mikrobiológie a virológie, Prírodovedecká fakulta UK v Bratislave

▪ **RNDr. Elena Kocianová, DrSc.**

Názov semestrálneho predmetu: ***Kliešte a nimi prenášané ochorenia***

Počet hodín za semester: 2

Názov katedry a vysokej školy: Katedra mikrobiológie a virológie, Prírodovedecká fakulta UK v Bratislave

▪ **MVDr. Juraj Kopáček, DrSc.**

Názov semestrálneho predmetu: ***Vybrané kapitoly z molekulárnej biológie***

Počet hodín za semester: 2

Názov katedry a vysokej školy: Katedra molekulárnej biológie, Prírodovedecká fakulta UK v Bratislave

Názov semestrálneho predmetu: ***Vybrané kapitoly z virológie***

Počet hodín za semester: 2

Názov katedry a vysokej školy: Katedra mikrobiológie a virológie, Prírodovedecká fakulta UK v Bratislave

▪ **RNDr. Ingeborg Režuchová, PhD.**

Názov semestrálneho predmetu: ***Imunológia vírusových nákaz***

Počet hodín za semester: 2

Názov katedry a vysokej školy: Katedra mikrobiológie a virológie, Prírodovedecká fakulta UK v Bratislave

▪ **RNDr. Monika Sláviková, PhD.**

Názov semestrálneho predmetu: ***Imunológia vírusových nákaz***

Počet hodín za semester: 1

Názov katedry a vysokej školy: Katedra mikrobiológie a virológie, Prírodovedecká fakulta UK v Bratislave

▪ **RNDr. Zdeno Šubr, CSc.**

Názov semestrálneho predmetu: ***Vybrané kapitoly z molekulárnej biológie***

Počet hodín za semester: 2

Názov katedry a vysokej školy: Katedra molekulárnej biológie, Prírodovedecká fakulta UK v Bratislave

Medzinárodná mobilita VÚ SAV

(A) Vyslanie vedeckých pracovníkov do zahraničia na základe dohôd:

Krajina	D r u h d o h o d y					
	MAD, KD, VTS		Medziústavná		Ostatné	
	Meno pracovníka	Počet dní	Meno pracovníka	Počet dní	Meno pracovníka	Počet dní
Česko	Balász Sallay	6				
Počet vyslaní spolu	1	6				

(B) Prijatie vedeckých pracovníkov zo zahraničia na základe dohôd:

Krajina	D r u h d o h o d y					
	MAD, KD, VTS		Medziústavná		Ostatné	
	Meno pracovníka	Počet dní	Meno pracovníka	Počet dní	Meno pracovníka	Počet dní
Česko					Dr. Petr Michálek	5
					Dr. Vojtech Adam	1
					prof. Ing. Vladimír Havlíček, Dr.	2
					prof. René Kizek	1
Kanada					Dr. Delano James	2
Nemecko	Dr. Thierry Wetzel	5	Dr. Filippo Cipriani	21		
Rakúsko			Dr. Danila Pucciareli	30		
Počet prijatí spolu	1	5	2	51	5	11

(C) Účasť pracovníkov pracoviska na konferenciách v zahraničí (nezahrnutých v "A"):

Krajina	Názov konferencie	Meno pracovníka	Počet dní
Česko	21 BD	Adriana Gibadulinová	2
		Martin Kéry	2
		Silvia Pastoreková	2
		Peter Radvák	2
		Eliška Švastová	2
		Ivana Vidličková	2
		Miriám Zaťovičová	2
	6. MD	Slavomíra Nováková	5
		Zuzana Vozárová	5

	DF	Ingeborg Režuchová	2
	DSMB	Ivana Nemčovičová	3
	RECAMO	Ivana Nemčovičová	5
		Silvia Pastoreková	3
		Martina Takáčová	3
	SBMB	Petra Belvončíková	3
		Radka Matúšková	3
	TD	Monika Boháčsová	2
		Jaroslav Hollý	2
		Ivan Košík	2
		Lucia Kotlárová	2
		Veronika Lachová	2
		Radka Matúšková	2
		Margaréta Práznovská	2
		Ingeborg Režuchová	2
		Lucia Škorvanová	2
Grécko	3th ICTMCS	Eliška Švastová	6
		Martina Takáčová	6
JAR	TTP8	Pavčina Bartíková	11
		Lenka Berthová	11
		Sabína Havlíková	11
		Viera Holíková	11
		Iveta Štibrániová	11
Kanada	IUMS 2014	Katarína Lapošová	9
		Jana Tomášková	9
Lotyšsko	5th ESWGIC	František Kostolanský	6
		Ivan Košík	6
		Eva Varečková	6
Malta	ENIVD	Boris Klempa	5
Nemecko	EMBO/EMBL	Michaela Debreová	4
		Juraj Kopáček	4
		Silvia Pastoreková	4
		Veronika Šimko	4
	WQF	Ľudovít Škultéty	2
Portugalsko	ICRB	Boris Klempa	5
Rakúsko	AMGSV	Boris Klempa	4
	Muss-Spect-Forum	Ivana Nemčovičová	3
	PGD OT	Slavomíra Nováková	4
Španielsko	4th ICVV	Rudolf Toman	5
Taliansko	FI	Rudolf Toman	6
Spolu	20	49	217

Skratky použité v tabuľke C:

21 BD - 21. Biologické dni

3th ICTMCS - 3th International Conference on Tumor Microenvironment and Cellular Stress

4th ICVV - 4th International Conference on Vaccines and Vaccination

5th ESWGIC - 5th European Scientific Working Group on Influenza Conference

6. MD - 6. Metodické dny

AMGSV - Annual Meeting of the German Society for Virology

DF - Discussion Forum 2014

DSMB - XII Discussions in Structural Molecular Biology

EMBO/EMBL - EMBL: Tumor Microenvironment and Signalling

ENIVD - 23th Meeting of the European Network for Diagnostics of Imported Viral Diseases

FI - Frontiers in Immunology

ICRB - 14th Rodent at Spatium - International Conference on Rodent Biology

IUMS 2014 - International Union of Microbiological Societies Congress

Muss-Spect-Forum - 25th Muss Spectrometric Discussion Meeting Vienna 2014

PGD OT - Plant Gene Discovery and Omics Technologies

RECAMO - 5th RECAMO Joint Meeting

SBMB - XVI. Setkání biochemiků a molekulárních biologů

TD - Tomáškové dni

TTP8 - Tick and Tick Born Pathogens

WQF - Workshop on Q Fever