

Ohlasy / Citations, reviews

Department: SAVMOFYZ - Ústav molekulárnej fyziológie a genetiky SAV
Date of citation, review: 2011~2014

Citations, reviews

Citations in Web of Science Core Collection (1.1, 2.1)	1848
Citations in SCOPUS (1.2, 2.2)	420
Citations in other citation indexes and databases (not listed above) (3.2, 4.2, 9, 10)	5
Other citations (not listed above) (3, 4, 3.1, 4.1)	21
Reviews (5, 6)	0
Count	2294

ABC Chapters in scientific monographs published abroad

- ABC01 LACINOVÁ, Ľubica - HOFMANN, Franz. Voltage-dependent calcium channels. In *Heart Physiology and Pathophysiology*. 4. edition. - USA : Academic Press, 2001, kap. 13, pp. 247-258. ISBN 0-12-656975-4.
Ohlasy:
[1.1] RAMIREZ-ROSAS, M.B. - COBOS-PUC, L.E. - SANCHEZ-LOPEZ, A. - GUTIERREZ-LARA, E.J. - CENTURION, D. Pharmacological characterization of the mechanisms involved in the vasorelaxation induced by progesterone and 17 beta-estradiol on isolated canine basilar and internal carotid arteries. In *STEROIDS*. ISSN 0039-128X, 2014, vol. 89, pp. 33-40, WOS
- ABC02 PARULEK, Július - ŠRÁMEK, Miloš - ČERVEŇANSKÝ, Michal - NOVOTOVÁ, Marta - ZAHRADNÍK, Ivan. A Cell Architecture Modeling System Based on Quantitative Ultrastructural Characteristics. In *Systems Biology : Series: Methods in Molecular Biology*. - Pittsburgh : Humana Press, 2009, vol. 500, Chapter 10, p.289-312. ISBN 978-1-934115-64-0. APVT 51-31104, APVV-20-056105, and VEGA 2/6079/26.
Ohlasy:
[1.2] PHAM, Tuan D. - ICHIKAWA, Kazuhisa. Spatial chaos and complexity in the intracellular space of cancer and normal cells. In *Theoretical Biology and Medical Modelling*, 2013-10-28, 10, 1, pp., SCOPUS
- ABC03 PARULEK, Július - ŠRÁMEK, Miloš - ZAHRADNÍK, Ivan. GeomCell Design of Cell Geometry. In MAGNENAT-THALMANN, Nadia - ZHANG, Jian J. - FENG, David D. *Recent Advances in the 3D Physiological Human*. Springer. - London : Springer, p. 21-36. ISBN 978-1-84882-564-2.
Ohlasy:
[1.1] PASKO, A. - FRYAZINOV, O. - VILBRANDT, T. - FAYOLLE, P.A. - ADZHIEV, V. Procedural function-based modelling of volumetric

microstructures. In GRAPHICAL MODELS. ISSN 1524-0703, 2011, vol. 73, p. 165-181., WOS

ADCA Scientific papers in foreign journals registered in Current Contents Connect with IF (impacted)

ADCA01 ANTOS, C. L. - FREY, N. - MARX, S. O. - REIKEN, S. - GABURJÁKOVÁ, Marta - RICHARDSON, J. A. - MARKS, A. R. - OLSON, E. N. Dilated cardiomyopathy and sudden death resulting from constitutive activation of protein kinase A. In *Circulation research*, 2001, vol. 89, iss. 11, p. 997-1004. (9.193 - IF2000). (2001 - Current Contents). ISSN 0009-7330.

Ohlasy:

[1.1] BRAND, Cameron S. - HOCKER, Harrison J. - GORFE, Alemayehu A. - CAVASOTTO, Claudio N. - DESSAUER, Carmen W. Isoform Selectivity of Adenylyl Cyclase Inhibitors: Characterization of Known and Novel Compounds. In JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS. ISSN 0022-3565, 2013, vol. 347, no. 2, pp. 265., WOS

[1.1] BRISTOW, Michael R. Treatment of Chronic Heart Failure With beta-Adrenergic Receptor Antagonists A Convergence of Receptor Pharmacology and Clinical Cardiology. In CIRCULATION RESEARCH, 2011, vol.109, no.10, 1176., WOS

[1.1] CARNEGIE, Graeme K. - BURMEISTER, Brian T. A-Kinase Anchoring Proteins That Regulate Cardiac Remodeling. In JOURNAL OF CARDIOVASCULAR PHARMACOLOGY, 2011, vol.58, no.5, 451., WOS

[1.1] DOBREV, Dobromir - VOIGT, Niels - WEHRENS, Xander H. T. The ryanodine receptor channel as a molecular motif in atrial fibrillation: pathophysiological and therapeutic implications. In CARDIOVASCULAR RESEARCH, 2011, vol.89, no.4, 734., WOS

[1.1] EFENDIEV, Riad - DESSAUER, Carmen W. A Kinase-Anchoring Proteins and Adenylyl Cyclase in Cardiovascular Physiology and Pathology. In JOURNAL OF CARDIOVASCULAR PHARMACOLOGY, 2011, vol.58, no.4, 339., WOS

[1.1] FIEDLER, Lorna R. - MAIFOSHIE, Evie - SCHNEIDER, Michael D. - SREWART, CL. Mouse Models of Heart Failure: Cell Signaling and Cell Survival. In MOUSE MODELS OF THE NUCLEAR ENVELOPATHIES AND RELATED DISEASES. ISSN 0070-2153, 2014, vol. 109, no., pp. 171., WOS

[1.1] GAO, Mei Hua - NGAI CHIN LAI - TANG, Tong - GUO, Tracy - TANG, Ruoying - CHUN, Byeong Jo - WANG, Hong - DALTON, Nancy N. - SUAREZ, Jorge - DILLMANN, Wolfgang H. - HAMMOND, H. Kirk. Preserved Cardiac Function despite Marked Impairment of cAMP Generation. In PLOS ONE. ISSN 1932-6203, 2013, vol. 8, no. 9, pp., WOS

[1.1] GARLIE, Jason B. - HAMID, Tariq - GU, Yan - ISMAHIL, Mohamed Ameen - CHANDRASEKAR, Bysani - PRABHU, Sumanth D. Tumor necrosis factor receptor 2 signaling limits beta-adrenergic receptor-mediated cardiac hypertrophy in vivo. In BASIC RESEARCH IN CARDIOLOGY. ISSN 0300-8428, 2011, vol. 106, no. 6, pp. 1193., WOS

[1.1] GOMES, A. C. - FALCAO-PIRES, I. - PIRES, A. L. - BRAS-SILVA, C. - LEITE-MOREIRA, A. F. Rodent models of heart failure: an updated review. In HEART FAILURE REVIEWS. ISSN 1382-4147, 2013, vol. 18, no. 2, pp. 219., WOS

[1.1] GORDON, Joseph W. - SHAW, James A. - KIRSHENBAUM, Lorrie

- A. Multiple Facets of NF-kappa B in the Heart To Be or Not to NF-kappa B. In CIRCULATION RESEARCH, 2011, vol.108, no.9, 1122., WOS
- [1.1] GUELLICH, Aziz - MEHEL, Hind - FISCHMEISTER, Rodolphe. Cyclic AMP synthesis and hydrolysis in the normal and failing heart. In PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY. ISSN 0031-6768, 2014, vol. 466, no. 6, pp. 1163., WOS
- [1.1] GU, Qingqing - JIN, Nana - SHENG, Hongzhuan - YIN, Xiaomin - ZHU, Jianhua. Cyclic AMP-Dependent Protein Kinase A Regulates the Alternative Splicing of CaMKII delta. In PLOS ONE, 2011, vol.6, no.11., WOS
- [1.1] HAN, Young Soo - ARROYO, Jennifer - OGUT, Ozgur. Human heart failure is accompanied by altered protein kinase A subunit expression and post-translational state. In ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS. ISSN 0003-9861, 2013, vol. 538, no. 1, pp. 25., WOS
- [1.1] HOUSER, Steven R. Role of RyR2 Phosphorylation in Heart Failure and Arrhythmias: Protein Kinase A-Mediated Hyperphosphorylation of the Ryanodine Receptor at Serine 2808 Does Not Alter Cardiac. In CIRCULATION RESEARCH. ISSN 0009-7330, 2014, vol. 114, no. 8, pp. 1320., WOS
- [1.1] CHRISTIAN, Frank - SZASZAK, Marta - FRIEDL, Sabine - DREWIANKA, Stephan - LORENZ, Dorothea - GONCALVES, Andrey - FURKERT, Jens - VARGAS, Carolyn - SCHMIEDER, Peter - GOETZ, Frank - ZUEHLKE, Kerstin - MOUTTY, Marie - GOETTERT, Hendrikje - JOSHI, Mangesh - REIF, Bernd - HAASE, Hannelore - MORANO, Ingo - GROSSMANN, Solveig - KLUKOVITS, Anna - VERLI, Judit - ROBERT GASPAS - NOACK, Claudia - BERGMANN, Martin - KASS, Robert - HAMPEL, Kornelia - KASHIN, Dmitry - GENIESER, Hans-Gottfried - HERBERG, Friedrich W. - WILLOUGHBY, Debbie - COOPER, Dermot M. F. - BAILLIE, George S. - HOUSLAY, Miles D. - VON KRIES, Jens Peter - ZIMMERMANN, Bastian - ROSENTHAL, Walter - KLUSSMANN, Enno. Small Molecule AKAP-Protein Kinase A (PKA) Interaction Disruptors That Activate PKA Interfere with Compartmentalized cAMP Signaling in Cardiac Myocytes. In JOURNAL OF BIOLOGICAL CHEMISTRY, 2011, vol.286, no.11, 9079., WOS
- [1.1] KHO, Changwon - LEE, Ahyoung - HAJJAR, Roger J. Altered sarcoplasmic reticulum calcium cycling-targets for heart failure therapy. In NATURE REVIEWS CARDIOLOGY. ISSN 1759-5002, 2012, vol. 9, no. 12, pp. 717., WOS
- [1.1] KLEVSTIG, Martina - MANAKOV, Dmitry - KASPAROVA, Dita - BRABCOVA, Iveta - PAPOUSEK, Frantisek - ZURMANOVA, Jitka - ZIDEK, Vaclav - SILHAVY, Jan - NECKAR, Jan - PRAVENEK, Michal - KOLAR, Frantisek - NOVAKOVA, Olga - NOVOTNY, Jiri. Transgenic rescue of defective Cd36 enhances myocardial adenylyl cyclase signaling in spontaneously hypertensive rats. In PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY. ISSN 0031-6768, 2013, vol. 465, no. 10, pp. 1477., WOS
- [1.1] LADILOV, Yury - APPUKUTTAN, Avinash. Role of soluble adenylyl cyclase in cell death and growth. In BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR BASIS OF DISEASE. ISSN 0925-4439, 2014, vol. 1842, no. 12, pp. 2646., WOS
- [1.1] LEHMANN, Lorenz H. - WORST, Barbara C. - STANMORE, David A. - BACKS, Johannes. Histone deacetylase signaling in cardioprotection. In CELLULAR AND MOLECULAR LIFE SCIENCES. ISSN 1420-682X, 2014,

vol. 71, no. 9, pp. 1673., WOS

[1.1] MIYAZAKI, Yosuke - IKEDA, Yasuhiro - SHIRAISHI, Kozo - FUJIMOTO, Shizuka N. - AOYAMA, Hidekazu - YOSHIMURA, Koichi - INUI, Makoto - HOSHIJIMA, Masahiko - KASAHARA, Hideko - AOKI, Hiroki - MATSUZAKI, Masunori. Heart Failure-Inducible Gene Therapy Targeting Protein Phosphatase 1 Prevents Progressive Left Ventricular Remodeling. In PLOS ONE. ISSN 1932-6203, 2012, vol. 7, no. 4, pp., WOS

[1.1] MUSUMECI, Marco - MACCARI, Sonia - CORRITORE, Elisa - MASSIMI, Alessia - STATI, Tonino - MARANO, Giuseppe - CATALANO, Liviana. Signaling pathway-focused gene expression profiling in pressure overloaded hearts. In ANNALI DELL ISTITUTO SUPERIORE DI SANITA, 2011, vol.47, no.3, 290., WOS

[1.1] NEEF, Stefan - MAIER, Lars S. Novel aspects of excitation-contraction coupling in heart failure. In BASIC RESEARCH IN CARDIOLOGY. ISSN 0300-8428, 2013, vol. 108, no. 4, pp., WOS

[1.1] NIGGLI, Ernst - ULLRICH, Nina D. - GUTIERREZ, Daniel - KYRYCHENKO, Sergii - POLAKOVA, Eva - SHIROKOVA, Natalia. Posttranslational modifications of cardiac ryanodine receptors: Ca²⁺ signaling and EC-coupling. In BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH. ISSN 0167-4889, 2013, vol. 1833, no. 4, pp. 866., WOS

[1.1] OKUMURA, Satoshi - FUJITA, Takayuki - CAI, Wenqian - JIN, Meihua - NAMEKATA, Iyuki - MOTOTANI, Yasumasa - JIN, Huiling - OHNUKI, Yoshiki - TSUNEOKA, Yayoi - KUROTANI, Reiko - SUITA, Kenji - KAWAKAMI, Yuko - HAMAGUCHI, Shogo - ABE, Takaya - KIYONARI, Hiroshi - TSUNEMATSU, Takashi - BAI, Yunzhe - SUZUKI, Sayaka - HIDAKA, Yuko - UMEMURA, Masanari - ICHIKAWA, Yasuhiro - YOKOYAMA, Utako - SATO, Motohiko - ISHIKAWA, Fumio - IZUMI-NAKASEKO, Hiroko - ADACHI-AKAHANE, Satomi - TANAKA, Hikaru - ISHIKAWA, Yoshihiro. Epac1-dependent phospholamban phosphorylation mediates the cardiac response to stresses. In JOURNAL OF CLINICAL INVESTIGATION. ISSN 0021-9738, 2014, vol. 124, no. 6, pp. 2785., WOS

[1.1] RAHIMI, Ahmad - LEE, Ying Ying - ABDELLA, Hassen - DOERFLINGER, Marcel - GANGODA, Lahiru - SRIVASTAVA, Rahul - XIAO, Kun - EKERT, Paul G. - PUTHALAKATH, Hamsa. Role of p53 in cAMP/PKA pathway mediated apoptosis. In APOPTOSIS. ISSN 1360-8185, 2013, vol. 18, no. 12, pp. 1492., WOS

[1.1] ROSCA, Mariana G. - TANDLER, Bernard - HOPPEL, Charles L. Mitochondria in cardiac hypertrophy and heart failure. In JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY. ISSN 0022-2828, 2013, vol. 55, no., pp. 31., WOS

[1.1] SPINDLER, Stephen R. - MOTE, Patricia L. - LI, Rui - DHAHBI, Joseph M. - YAMAKAWA, Amy - FLEGAL, James M. - JESKE, Daniel R. - LI, Rui - LUBLIN, Alex L. beta 1-Adrenergic receptor blockade extends the life span of Drosophila and long-lived mice. In AGE. ISSN 0161-9152, 2013, vol. 35, no. 6, pp. 2099., WOS

[1.1] SUGANO, Yasuo - LAI, N. Chin - GAO, Mei Hua - FIRTH, Amy L. - YUAN, Jason X-J - LEW, Wilbur Y. W. - HAMMOND, H. Kirk. Activated expression of cardiac adenylyl cyclase 6 reduces dilation and dysfunction of the pressure-overloaded heart. In BIOCHEMICAL AND BIOPHYSICAL

RESEARCH COMMUNICATIONS, 2011, vol.405, no.3, 349., WOS

[1.1] SUN, Zeyu - HAMILTON, Karyn L. - REARDON, Kenneth F. Phosphoproteomics and molecular cardiology: Techniques, applications and challenges. In JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY. ISSN 0022-2828, 2012, vol. 53, no. 3, pp. 354., WOS

[1.1] SWAMINATHAN, Paari Dominic - PUROHIT, Anil - HUND, Thomas J. - ANDERSON, Mark E. Calmodulin-Dependent Protein Kinase II: Linking Heart Failure and Arrhythmias. In CIRCULATION RESEARCH. ISSN 0009-7330, 2012, vol. 110, no. 12, pp. 1661., WOS

[1.1] TANG, Tong - HAMMOND, H. Kirk - FIRTH, Amy - YANG, Yuan - GAO, Mei Hua - YUAN, Jason X-J. - LAI, N. Chin. Adenylyl Cyclase 6 Improves Calcium Uptake and Left Ventricular Function in Aged Hearts. In JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY, 2011, vol.57, no.18, 1846., WOS

[1.1] TSUJI, Yukiomi - HOJO, Mayumi - VOIGT, Niels - EL-ARMOUCHE, Ali - INDEN, Yasuya - MUROHARA, Toyoaki - DOBREV, Dobromir - NATTEL, Stanley - KODAMA, Itsuo - KAMIYA, Kaichiro. Ca²⁺-Related Signaling and Protein Phosphorylation Abnormalities Play Central Roles in a New Experimental Model of Electrical Storm. In CIRCULATION, 2011, vol.123, no.20, 2192., WOS

[1.1] VIDAL, Marie - WIELAND, Thomas - LOHSE, Martin J. - LORENZ, Kristina. beta-Adrenergic receptor stimulation causes cardiac hypertrophy via a G/Erk-dependent pathway. In CARDIOVASCULAR RESEARCH. ISSN 0008-6363, 2012, vol. 96, no. 2, pp. 255., WOS

[1.1] VOELKERS, Mirko - WEIDENHAMMER, Christian - HERZOG, Nicole - QIU, Gang - SPAICH, Kristin - VON WEGNER, Frederic - PEPPEL, Karsten - MUELLER, Oliver J. - SCHINKEL, Stefanie - RABINOWITZ, Joseph E. - HIPPE, Hans-Joerg - BRINKS, Henriette - KATUS, Hugo A. - KOCH, Walter J. - ECKHART, Andrea D. - FRIEDRICH, Oliver - MOST, Patrick. The Inotropic Peptide beta ARKct Improves beta AR Responsiveness in Normal and Failing Cardiomyocytes Through G(beta gamma)-Mediated L-Type Calcium Current Disinhibition. In CIRCULATION RESEARCH, 2011, vol.108, no.1, 27., WOS

[1.1] VOIGT, Niels - DOBREV, Dobromir. Cellular and molecular correlates of ectopic activity in patients with atrial fibrillation. In EUROPACE. ISSN 1099-5129, 2012, vol. 14, no., pp. V97., WOS

[1.1] VOIGT, N. - NATTEL, S. - DOBREV, D. Proarrhythmic atrial calcium cycling in the diseased heart. In Advances in Experimental Medicine and Biology. 2012, vol. 740, p. 1175-1191, WOS

[1.1] WITTKOEPPER, Katrin - DOBREV, Dobromir - ESCHENHAGEN, Thomas - EL-ARMOUCHE, Ali. Phosphatase-1 inhibitor-1 in physiological and pathological beta-adrenoceptor signalling. In CARDIOVASCULAR RESEARCH, 2011, vol.91, no.3, 392., WOS

[1.1] XU, Q. - DALIC, A. - FANG, L. - KIRIAZIS, H. - RITCHIE, R. H. - SIM, K. - GAO, X-M - DRUMMOND, G. - SARWAR, M. - ZHANG, Y-Y - DART, A. M. - DU, X-J. Myocardial oxidative stress contributes to transgenic beta(2)-adrenoceptor activation-induced cardiomyopathy and heart failure. In BRITISH JOURNAL OF PHARMACOLOGY, 2011, vol.162, no.5, 1012., WOS

[1.1] YANG, Jason H. - POLANOWSKA-GRABOWSKA, Renata K. - SMITH, Jeffrey S. - SHIELDS, Charles W. - SAUCERMAN, Jeffrey J. PKA

catalytic subunit compartmentation regulates contractile and hypertrophic responses to beta-adrenergic signaling. In JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY. ISSN 0022-2828, 2014, vol. 66, no., pp. 83., WOS

[1.1] YANG, Jihong - LIU, Yufeng - FAN, Xiaohui - LI, Zheng - CHENG, Yiyu. A pathway and network review on beta-adrenoceptor signaling and beta blockers in cardiac remodeling. In HEART FAILURE REVIEWS. ISSN 1382-4147, 2014, vol. 19, no. 6, pp. 799., WOS

[1.1] ZHU, Weizhong - PETRASHEVSKAYA, Natalia - REN, Shuxun - ZHAO, Aizhi - CHAKIR, Khalid - GAO, Erhe - CHUPRUN, J. Kurt - WANG, Yibin - TALAN, Mark - DORN, Gerald W. - LAKATTA, Edward G. - KOCH, Walter J. - FELDMAN, Arthur M. - XIAO, Rui-Ping. G(i)-Biased beta(2)AR Signaling Links GRK2 Upregulation to Heart Failure. In CIRCULATION RESEARCH. ISSN 0009-7330, 2012, vol. 110, no. 2, pp. 265., WOS

[1.1] ZHU, Weizhong - WOO, Anthony Yiu-Ho - ZHANG, Yan - CAO, Chun-Mei - XIAO, Rui-Ping - WANG, Q. beta-Adrenergic Receptor Subtype Signaling in the Heart: from Bench to the Bedside. In ADVANCES IN ADRENERGIC RECEPTOR BIOLOGY, 2011, vol.67, no., 191., WOS

[1.2] FU, Yongnan - XIAO, Han - ZHANG, Youyi. Beta-adrenoceptor signaling pathways mediate cardiac pathological remodeling. In Frontiers in Bioscience Elite. ISSN 19450494, 2012-01-01, 4 E, 5, pp. 1625-1637., SCOPUS

[1.2] HEFFER, M. - ZIBAR, L. - VILJETIC, B. - MAKAROVIC, Z. The role of stress in heart failure ground for sex specific pathophysiology. In Biopolymers and Cell, 2011, vol.27, no.2, 93-106., SCOPUS

[1.2] LEROY, Jérôme - FISCHMEISTER, Rodolphe. CainfV/inf1.2 and β -Adrenergic Regulation of Cardiac Function. In Cardiac Electrophysiology: From Cell to Bedside: Sixth Edition, 2013-01-01, pp. 371-381., SCOPUS

[1.2] PORT, J. David - SUCHAROV, Carmen - BRISTOW, Michael R. Activation of the Adrenergic Nervous System in Heart Failure. In Heart Failure, 2011-12-01, pp. 152-162., SCOPUS

[1.2] TAKAKI, M. Cardiac mechanoenergetics for understanding isoproterenol-induced rat heart failure. In Pathophysiology, 2012, 19, 3, pp. 163-170., SCOPUS

[1.2] TSUJI, Yukiomi - ISHIKAWA, Taisuke - MAKITA, Naomasa. Molecular mechanisms of heart failure progression associated with implantable cardioverter-defibrillator shocks for ventricular tachyarrhythmias. In Journal of Arrhythmia. ISSN 18804276, 2014-01-01, 30, 4, pp. 235-241., SCOPUS

[1.2] VALDIVIA, Héctor H. Structural and Molecular Bases of Sarcoplasmic Reticulum Ion Channel Function. In Cardiac Electrophysiology: From Cell to Bedside: Sixth Edition, 2013-01-01, pp. 55-69., SCOPUS

[1.2] WANG, X. - BOSONEA, A.-M. - ODENBACH, J. - FERNANDEZ-PATRON, C. Molecular signals elicited by GPCR agonists in hypertension, cardiovascular remodeling: Are MMPs and ADAMs Elusive Therapeutic Targets? In Current Hypertension Reviews, 2012, 8, 3, pp. 159-180., SCOPUS

ADCA02 ATHEA, Yoni - VIOLLET, Benoit - MATEO, Philippe - ROUSSEAU, Delphine - NOVOTOVÁ, Marta - GARNIER, Anne - VAULONT, Sophie - WILDING, James R. - GRYNBERG, Alain - VEKSLER, Vladimir - HOERTER, Jacqueline - VENTURA-CLAPIER, Renee. AMP-activated protein kinase α 2

deficiency affects cardiac cardiolipin homeostasis and mitochondrial function. In *DIABETES*, 2007, vol. 56, iss. 3, p. 786-794. ISSN 0012-1797.

Ohlasy:

[1.1] EL-KOUHEN, Karim - TREMBLAY, Michel L. PTPMT1: Connecting Cardiolipin Biosynthesis to Mitochondrial Function. In *CELL METABOLISM*, 2011, vol.13, no.6, 615., WOS

[1.1] FUNAI, Katsuhiko - SEMENKOVICH, Clay F. Skeletal muscle lipid flux: running water carries no poison. In *AMERICAN JOURNAL OF PHYSIOLOGY-ENDOCRINOLOGY AND METABOLISM*, 2011, vol.301, no.2, e245., WOS

[1.1] HE, Quan - HAN, Xianlin. Cardiolipin remodeling in diabetic heart. In *CHEMISTRY AND PHYSICS OF LIPIDS*. ISSN 0009-3084, 2014, vol. 179, no., pp. 75., WOS

[1.1] CHU, Charleen T. - JI, Jing - DAGDA, Ruben K. - JIANG, Jian Fei - TYURINA, Yulia Y. - KAPRALOV, Alexandr A. - TYURIN, Vladimir A. - YANAMALA, Naveena - SHRIVASTAVA, Indira H. - MOHAMMADYANI, Dariush - WANG, Kent Zhi Qiang - ZHU, Jianhui - KLEIN-SEETHARAMAN, Judith - BALASUBRAMANIAN, Krishnakumar - AMOSCATO, Andrew A. - BORISENKO, Grigory - HUANG, Zhentai - GUSDON, Aaron M. - CHEIKHI, Amin - STEER, Erin K. - WANG, Ruth - BATY, Catherine - WATKINS, Simon - BAHAR, Ivet - BAYIR, Huelya - KAGAN, Valerian E. Cardiolipin externalization to the outer mitochondrial membrane acts as an elimination signal for mitophagy in neuronal cells. In *NATURE CELL BIOLOGY*. ISSN 1465-7392, 2013, vol. 15, no. 10, pp. 1197., WOS

[1.1] MEJIA, Edgard M. - DOLINSKY, Vernon W. - HATCH, Grant M. - TAPPIA, PS - DHALLA, NS. Role of Phospholipases in Regulation of Cardiolipin Biosynthesis and Remodeling in the Heart and Mammalian Cells. In *PHOSPHOLIPASES IN HEALTH AND DISEASE*, 2014, vol. 10, no., pp. 39., WOS

[1.1] PAIVA, Marta A. - RUTTER-LOCHER, Zoe - GONCALVES, Lino M. - PROVIDENCIA, Luis A. - DAVIDSON, Sean M. - YELLON, Derek M. - MOCANU, Mihaela M. Enhancing AMPK activation during ischemia protects the diabetic heart against reperfusion injury. In *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*, 2011, vol.300, no.6, h2123., WOS

[1.1] SAINI-CHOHAN, Harjot K. - MITCHELL, Ryan W. - VAZ, Frederic M. - ZELINSKI, Teresa - HATCH, Grant M. Delineating the role of alterations in lipid metabolism to the pathogenesis of inherited skeletal and cardiac muscle disorders. In *JOURNAL OF LIPID RESEARCH*. ISSN 0022-2275, 2012, vol. 53, no. 1, pp. 4., WOS

[1.1] VIGETTI, Davide - CLERICI, Moira - DELEONIBUS, Sara - KAROUSOU, Evgenia - VIOLA, Manuela - MORETTO, Paola - HELDIN, Paraskevi - HASCALL, Vincent C. - DE LUCA, Giancarlo - PASSI, Alberto. Hyaluronan Synthesis Is Inhibited by Adenosine Monophosphate-activated Protein Kinase through the Regulation of HAS2 Activity in Human Aortic Smooth Muscle Cells. In *JOURNAL OF BIOLOGICAL CHEMISTRY*, 2011, vol.286, no.10, 7917., WOS

[1.2] MEJIA, E - COLE, LK - HATCH, GM. Cardiolipin Metabolism and the Role it Plays in Heart Failure and Mitochondrial Supercomplex Formation. In

- ADCA03 BAČOVÁ, Zuzana - BAQI, L. - BENACKA, O. - PAYER, J. - KRIŽANOVÁ, Oľga - ZEMAN, Michal - SMREKOVA, L. - ZÓRAD, Štefan - ŠTRBÁK, Vladimír. Thyrotropin-releasing hormone in rat heart: effect of swelling, angiotensin II and renin gene. In *Acta Physiologica*, 2006, vol. 187, iss. 1-2, p. 313-319. (2006 - Current Contents). ISSN 1748-1708.

Ohlasy:

[1.1] Jankowski, M.: Cardiac delivery of interference RNA for thyrotropin-releasing hormone inhibits hypertrophy in spontaneously hypertensive rat. *Hypertension* 57 (1), pp. 26-28, 2011, WOS

[1.1] SCHUMAN, Mariano L. - PERES DIAZ, Ludmila S. - LANDA, Maria S. - TOBLLI, Jorge E. - CAO, Gabriel - ALVAREZ, Azucena L. - FINKIELMAN, Samuel - PIROLA, Carlos J. - GARCIA, Silvia I.

Thyrotropin-releasing hormone overexpression induces structural changes of the left ventricle in the normal rat heart. In *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*. ISSN 0363-6135, 2014, vol. 307, no. 11, pp. H1667-H1674., WOS

[1.1] Schuman, M.L., Landa, M.S., Toblli, J.E., Peres Diaz, L.S., Alvarez, A.L., Finkielman, S., Paz, L., García, S.I.: Cardiac thyrotropin-releasing hormone mediates left ventricular hypertrophy in spontaneously hypertensive rats.

Hypertension 57 (1), pp. 103-109, 2011, WOS

- ADCA04 BARANČÍK, Miroslav - BOHÁČOVÁ, Viera - SEDLÁK, Ján - SULOVÁ, Zdena - BREIER, Albert. LY294,002, a specific inhibitor of PI3K/Akt kinase pathway, antagonizes P-glycoprotein-mediated multidrug resistance. In *European Journal of Pharmaceutical Sciences*, 2006, vol. 29, no. 5, p. 426-434. ISSN 0928-0987.

Ohlasy:

[1.1] AKIYAMA, Kosuke - OHGA, Noritaka - HIDA, Yasuhiro - KAWAMOTO, Taisuke - SADAMOTO, Yoshihiro - ISHIKAWA, Shuhei - MAISHI, Nako - AKINO, Tomoshige - KONDOH, Miyako - MATSUDA, Aya - INOUE, Nobuo - SHINDOH, Masanobu - HIDE, Kyoko. Tumor Endothelial Cells Acquire Drug Resistance by MDR1 Up-Regulation via VEGF Signaling in Tumor Microenvironment. In *AMERICAN JOURNAL OF PATHOLOGY*. ISSN 0002-9440, 2012, vol. 180, no. 3, pp. 1283., WOS

[1.1] CAI, Qingqing - DENG, Haixia - XIE, Dan - LIN, Tianxin - LIN, Tongyu. Phosphorylated AKT Protein Is Overexpressed in Human Peripheral T-cell Lymphomas and Predicts Decreased Patient Survival. In *CLINICAL LYMPHOMA MYELOMA & LEUKEMIA*. ISSN 2152-2650, 2012, vol. 12, no. 2, pp. 106., WOS

[1.1] CAI, Qingqing - HUANG, Huiqiang - QIAN, Dong - CHEN, Kailin - LUO, Junhua - TIAN, Ying - LIN, Tianxin - LIN, Tongyu.

13-Methyltetradecanoic Acid Exhibits Anti-Tumor Activity on T-Cell Lymphomas In Vitro and In Vivo by Down-Regulating p-AKT and Activating Caspase-3. In *PLOS ONE*. ISSN 1932-6203, 2013, vol. 8, no. 6, pp., WOS

[1.1] HIDA, Kyoko - AKIYAMA, Kosuke - OHGA, Noritaka - MAISHI, Nako - HIDA, Yasuhiro. Tumour endothelial cells acquire drug resistance in a tumour microenvironment. In *JOURNAL OF BIOCHEMISTRY*. ISSN

0021-924X, 2013, vol. 153, no. 3, pp. 243., WOS

[1.1] HUANG, Can - XU, Dujuan - XIA, Quan - WANG, Peipei - RONG, Chao - SU, Yong. Reversal of P-glycoprotein-mediated multidrug resistance of human hepatic cancer cells by Astragaloside II. In JOURNAL OF PHARMACY AND PHARMACOLOGY. ISSN 0022-3573, 2012, vol. 64, no. 12, pp. 1741., WOS

[1.1] CHENG, L. - LUO, S. - JIN, C. - MA, H. - ZHOU, H. - JIA, L. FUT family mediates the multidrug resistance of human hepatocellular carcinoma via the PI3K/Akt signaling pathway. In CELL DEATH & DISEASE. ISSN 2041-4889, 2013, vol. 4, no., pp., WOS

[1.1] CHEN, Qiu-Xia - HU, Hai-Hong - ZHOU, Quan - YU, Ai-Ming - ZENG, Su. An overview of ABC and SLC Drug Transporter Gene Regulation. In CURRENT DRUG METABOLISM. ISSN 1389-2002, 2013, vol. 14, no. 2, pp. 253., WOS

[1.1] LIN, X. - ZHANG, X. - WANG, Q. - LI, J. - ZHANG, P. - ZHAO, M. - LI, X. Perifosine downregulates MDR1 gene expression and reverses multidrug-resistant phenotype by inhibiting PI3K/Akt/NF-kappa B signaling pathway in a human breast cancer cell line. In NEOPLASMA. ISSN 0028-2685, 2012, vol. 59, no. 3, pp. 248., WOS

[1.1] LUO, Liang - SUN, Ying-Jian - WU, Yi-Jun. Abamectin resistance in Drosophila is related to increased expression of P-glycoprotein via the dEGFR and dAkt pathways. In INSECT BIOCHEMISTRY AND MOLECULAR BIOLOGY. ISSN 0965-1748, 2013, vol. 43, no. 8, pp. 627., WOS

[1.1] MAO, Zonglei - ZHOU, Jin - LUAN, Junwei - SHENG, Weihua - SHEN, Xiaochun - DONG, Xiaoqiang. Tamoxifen reduces P-gp-mediated multidrug resistance via inhibiting the PI3K/Akt signaling pathway in ER-negative human gastric cancer cells. In BIOMEDICINE & PHARMACOTHERAPY. ISSN 0753-3322, 2014, vol. 68, no. 2, pp. 179., WOS

[1.1] MARALDI, T. - BERTACCHINI, J. - BENINCASA, M. - GUIDA, M. - DE POL, A. - LIOTTA, L.A. - PETRICOIN, E. - COCCO, L. - MARMIROLI, S. Reverse-phase protein microarrays (RPPA) as a diagnostic and therapeutic guide in multidrug resistant leukemia. In INTERNATIONAL JOURNAL OF ONCOLOGY. ISSN 1019-6439, FEB 2011, vol. 38, no. 2, p. 427-435., WOS

[1.1] MA, Hongye - CHENG, Lei - HAO, Keji - LI, Yanping - SONG, Xiaobo - ZHOU, Huimin - JIA, Li. Reversal Effect of ST6GAL 1 on Multidrug Resistance in Human Leukemia by Regulating the PI3K/Akt Pathway and the Expression of P-gp and MRP1. In PLOS ONE. ISSN 1932-6203, 2014, vol. 9, no. 1, pp., WOS

[1.1] MA, Hongye - ZHOU, Huimin - LI, Peng - SONG, Xiaobo - MIAO, Xiaoyan - LI, Yanping - JIA, Li. Effect of ST3GAL 4 and FUT 7 on sialyl Lewis X synthesis and multidrug resistance in human acute myeloid leukemia (Retracted article. See vol. 1842, pg. 2532, 2014). In BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR BASIS OF DISEASE. ISSN 0925-4439, 2014, vol. 1842, no. 9, pp. 1681., WOS

[1.1] WEN, Feifei - HE, Shuang - SUN, Chenbo - LI, Tangyue - WU, Shuhua. PIK3CA and PIK3CB expression and relationship with multidrug resistance in colorectal carcinoma. In INTERNATIONAL JOURNAL OF CLINICAL AND EXPERIMENTAL PATHOLOGY. ISSN 1936-2625, 2014, vol. 7, no. 11, pp. 8295., WOS

[1.1] XIE, Xia - TANG, Bo - ZHOU, Jianyun - GAO, Qing - ZHANG,

- Pengbing. Inhibition of the PI3K/Akt pathway increases the chemosensitivity of gastric cancer to vincristine. In *ONCOLOGY REPORTS*. ISSN 1021-335X, 2013, vol. 30, no. 2, pp. 773., WOS
- [1.1] YANG, Shouhui - LIU, JinJuan - CHEN, Yongqiang - JIANG, Jihong. Reversal effect of Tween-20 on multidrug resistance in tumor cells in vitro. In *BIOMEDICINE & PHARMACOTHERAPY*. ISSN 0753-3322, 2012, vol. 66, no. 3, pp. 187., WOS
- [1.1] ZHANG, Jingwei - LU, Meng - ZHOU, Fang - SUN, Haopeng - HAO, Gang - WU, Xiaolan - WANG, Guangji. Key Role of Nuclear Factor-kappa B in the Cellular Pharmacokinetics of Adriamycin in MCF-7/Adr Cells: The Potential Mechanism for Synergy with 20(S)-Ginsenoside Rh2. In *DRUG METABOLISM AND DISPOSITION*. ISSN 0090-9556, 2012, vol. 40, no. 10, pp. 1900., WOS
- [1.1] ZHANG, Ye - MU, Xiao-Dong - LI, En-Zhe - LUO, Ying - SONG, Na - QU, Xiu-Juan - HU, Xue-Jun - LIU, Yun-Peng. The Role of E3 Ubiquitin Ligase Cbl Proteins in beta-Elementene Reversing Multi-Drug Resistance of Human Gastric Adenocarcinoma Cells. In *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*. ISSN 1422-0067, 2013, vol. 14, no. 5, pp. 10075., WOS
- [1.1] ZINZI, Laura - CONTINO, Marialessandra - CANTORE, Mariangela - CAPPARELLI, Elena - LEOPOLDO, Marcello - COLABUFO, Nicola A. ABC transporters in CSCs membranes as a novel target for treating tumor relapse. In *FRONTIERS IN PHARMACOLOGY*. ISSN 1663-9812, 2014, vol. 5, no., pp., WOS
- [1.2] BANKOVIĆ, Jasna - PODOLSKI-RENIĆ, Ana - PEŠIĆ, Milica. VEGF signaling and multi-drug resistance transporter (ABCB1): Perception of new anti-cancer therapeutic strategy. In *Vascular Endothelial Growth Factor (VEGF): Biology, Regulation and Clinical Significance*, 2013-12-01, pp. 1-39., SCOPUS
- [1.2] EMOTO, Chie - YODA, Noriaki - UNO, Yasuhiro - IWASAKI, Kazuhide - UMEHARA, Ken - KASHIYAMA, Eiji - YAMAZAKI, Hiroshi. Comparison of p450 enzymes between cynomolgus monkeys and humans: P450 identities, protein contents, kinetic parameters, and potential for inhibitory profiles. In *Current Drug Metabolism*. ISSN 13892002, 2013-02-01, 14, 2, pp. 253-264., SCOPUS
- [1.2] XU, X.-Q. - ZHANG, Q.-H. - BAI, L.-H. Advances of the drug resistance of the diffuse large B-cell lymphoma | (Chinese Source). In *Journal of Leukemia and Lymphoma*, 2011, vol.20, no.2, 126-128., SCOPUS
- [1.2] YUAN, L. - ZHOU, Q. - XU, F. - LI, S. - GAN, L. - ZOU, D. Reversal effect of phosphatidylinositol 3'-kinase inhibitor LY294002 during chemotherapy on paclitaxel resistance of ovarian cancer cell lines. In *Chinese Journal of Clinical Oncology*, 2012, 39, 6, pp. 301-304., SCOPUS
- [3] IMAI, Y. - YAMAGISHI, H. - ONO, Y. - UEDA, Y. Versatile inhibitory effects of the flavonoid-derived PI3K/Akt inhibitor, LY294002, on ATP-binding cassette transporters that characterize stem cells. In *Clinical and Transplantation Medicine*, 2012, vol. 1, p. 24, <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3560972/pdf/2001-1326-1-24.pdf>

ADCA05 BARANČÍK, Miroslav - BOHÁČOVÁ, Viera - GIBALOVÁ, Lenka - SEDLÁK, Ján - SULOVÁ, Zdena - BREIER, Albert. Potentiation of Anticancer Drugs: Effects of Pentoxifylline on Neoplastic Cells. In *International Journal of*

Molecular Science, 2012, vol. 13, no. 1, p. 369-382. (2.598 - IF2011). (2012 - Current Contents). ISSN 1422-0067. APVV-0084-07, APVV-0290-10, VVCE-0064-07, VEGA 2/0123/10, 2/0155/09, CEMAN. Dostupné na internete: <Dostupné na: <http://www.mdpi.com/1422-0067/13/1/369/>>.

Ohlasy:

- [1.1] BRAVO-CUELLAR, Alejandro - HERNANDEZ-FLORES, Georgina - MANUEL LERMA-DIAZ, Jose - RAMIRO DOMINGUEZ-RODRIGUEZ, Jorge - JAVE-SUAREZ, Luis F. - DE CELIS-CARRILLO, Ruth - AGUILAR-LEMARROY, Adriana - GOMEZ-LOMELI, Paulina - CESAR ORTIZ-LAZARENO, Pablo. Pentoxifylline and the proteasome inhibitor MG132 induce apoptosis in human leukemia U937 cells through a decrease in the expression of Bcl-2 and Bcl-XL and phosphorylation of p65. In *JOURNAL OF BIOMEDICAL SCIENCE*. ISSN 1021-7770, 2013, vol. 20, no., pp., WOS
- [1.1] PATANE, Salvatore. Cancer multidrug resistance-targeted therapy in both cancer and cardiovascular system with cardiovascular drugs. In *INTERNATIONAL JOURNAL OF CARDIOLOGY*. ISSN 0167-5273, 2014, vol. 176, no. 3, pp. 1306., WOS

ADCA06 BARANČÍK, Miroslav - BOHÁČOVÁ, Viera - KVACKAJOVA, J. - HUDECOVÁ, Soňa - KRIŽANOVÁ, Oľga - BREIER, Albert. SB203580, a specific inhibitor of p38-MAPK pathway, is a new reversal agent of P-glycoprotein-mediated multidrug resistance. In *EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES*, 2001, vol. 14, iss. 1, p. 29-36. ISSN 0928-0987.

Ohlasy:

- [1.1] BATHANY, Cedric - PARK, Juhee - CHO, Yoon-Kyoung - TAKAYAMA, Shuichi. Dehydrated aqueous two-phase system micro-domains retain their shape upon rehydration to allow patterned reagent delivery to cells. In *JOURNAL OF MATERIALS CHEMISTRY B*. ISSN 2050-750X, 2013, vol. 1, no. 44, pp. 6020-6026., WOS
- [1.1] CAI, Bolei - MIAO, Ye - LIU, Yuan - XU, Xiaofang - GUAN, Sumin - WU, Junzheng - LIU, Yanpu. Nuclear Multidrug-Resistance Related Protein 1 Contributes to Multidrug-Resistance of Mucoepidermoid Carcinoma Mainly via Regulating Multidrug-Resistance Protein 1: A Human Mucoepidermoid Carcinoma Cells Model and Spearman's Rank Correlation Analysis. In *PLOS ONE*. ISSN 1932-6203, 2013, vol. 8, no. 8, pp., WOS
- [1.1] DE CESARE, Michelandrea - LAURICELLA, Calogero - VERONESE, Silvio Marco - COMINETTI, Denis - PISANO, Claudio - ZUNINO, Franco - ZAFFARONI, Nadia - ZUCO, Valentina. Synergistic Antitumor Activity of Cetuximab and Namitecan in Human Squamous Cell Carcinoma Models Relies on Cooperative Inhibition of EGFR Expression and Depends on High EGFR Gene Copy Number. In *CLINICAL CANCER RESEARCH*. ISSN 1078-0432, 2014, vol. 20, no. 4, pp. 995., WOS
- [1.1] DUAN, Ru - HU, Nan - LIU, Hai-yan - LI, Jia - GUO, Hai-fang - LIU, Can - LIU, Li - LIU, Xiao-dong. Biphasic regulation of P-glycoprotein function and expression by NO donors in Caco-2 cells. In *ACTA PHARMACOLOGICA SINICA*. ISSN 1671-4083, 2012, vol. 33, no. 6, pp. 767., WOS
- [1.1] GROSSI, Valentina - PESERICO, Alessia - TEZIL, Tugan - SIMONE, Cristiano. p38 alpha MAPK pathway: A key factor in colorectal cancer therapy and chemoresistance. In *WORLD JOURNAL OF GASTROENTEROLOGY*. ISSN 1007-9327, 2014, vol. 20, no. 29, pp. 9744., WOS

- [1.1] GUAN, Junhong - LI, Han - LV, Tao - CHEN, Duo - YUAN, Ye - QU, Shengtao. Bone Morphogenic Protein-7 Contributes to Cerebral Ischemic Preconditioning Induced-Ischemic Tolerance by Activating p38 Mitogen-Activated Protein Kinase Signaling Pathway. In INFLAMMATION. ISSN 0360-3997, 2014, vol. 37, no. 4, pp. 1289., WOS
- [1.1] HE, Dan - ZHAO, Xiao-qin - CHEN, Xing-gui - FANG, Yi - SINGH, Satyakam - TALELE, Tanaji T. - QIU, Hui-juan - LIANG, Yong-ju - WANG, Xiao-kun - ZHANG, Guo-qing - CHEN, Zhe-sheng - FU, Li-wu. BIRB796, the Inhibitor of p38 Mitogen-Activated Protein Kinase, Enhances the Efficacy of Chemotherapeutic Agents in ABCB1 Overexpression Cells. In PLOS ONE. ISSN 1932-6203, 2013, vol. 8, no. 1, pp., WOS
- [1.1] HOFFMANN, K. - LIN, S.B. - XIAO, Z. - LONGERICH, T. - BUCHLERI, M.W. - SCHEMMER, P. Correlation of Gene Expression of ATP-binding Cassette Protein and Tyrosine Kinase Signalling Pathway in Patients with Hepatocellular Carcinoma. In ANTICANCER RESEARCH. ISSN 0250-7005, NOV 2011, vol. 31, no. 11, p. 3883-3890., WOS
- [1.1] HOFFMANN, K. - XIAO, Z. - FRANZ, C. - MOHR, E. - SERBA, S. - BUCHLER, M.W. - SCHEMMER, P. Involvement of the epidermal growth factor receptor in the modulation of multidrug resistance in human hepatocellular carcinoma cells in vitro. In CANCER CELL INTERNATIONAL. ISSN 1475-2867, NOV 17 2011, vol. 11., WOS
- [1.1] HUANG, Can - XU, Dujuan - XIA, Quan - WANG, Peipei - RONG, Chao - SU, Yong. Reversal of P-glycoprotein-mediated multidrug resistance of human hepatic cancer cells by Astragaloside II. In JOURNAL OF PHARMACY AND PHARMACOLOGY. ISSN 0022-3573, 2012, vol. 64, no. 12, pp. 1741., WOS
- [1.1] CHOI, Jong Min - CHOI, Young Hwa - KIM, Seok Kyun - AHN, Kyong Hoon - WON, Jong Hoon - LIM, Joo Hyuk - JANG, You Jin - LEE, Sungsook - KIM, Dal-Hyun - KIM, Dae Kyong. (S)-tetrahydroisoquinoline alkaloid inhibits LPS-induced arachidonic acid release through downregulation of cPLA(2) expression. In MOLECULES AND CELLS. ISSN 1016-8478, 2013, vol. 36, no. 5, pp. 400., WOS
- [1.1] JEON, Kye-Im - KULKARNI, Ajit - WOELLER, Collynn F. - PHIPPS, Richard P. - SIME, Patricia J. - HINDMAN, Holly B. - HUXLIN, Krystel. R. Inhibitory Effects of PPAR gamma Ligands on TGF-beta 1-Induced Corneal Myofibroblast Transformation. In AMERICAN JOURNAL OF PATHOLOGY. ISSN 0002-9440, 2014, vol. 184, no. 5, pp. 1429., WOS
- [1.1] KRIFKA, Stephanie - HILLER, Karl-Anton - BOLAY, Carola - PETZEL, Christine - SPAGNUOLO, Gianrico - REICHL, Franz-Xaver - SCHMALZ, Gottfried - SCHWEIKL, Helmut. Function of MAPK and downstream transcription factors in monomer-induced apoptosis. In BIOMATERIALS. ISSN 0142-9612, 2012, vol. 33, no. 3, pp. 740., WOS
- [1.1] LIPTROTT, N.J. - OWEN, A. The role of cytokines in the regulation of drug disposition: extended functional pleiotropism?. In EXPERT OPINION ON DRUG METABOLISM & TOXICOLOGY. ISSN 1742-5255, MAR 2011, vol. 7, no. 3, p. 341-352., WOS
- [1.1] MEI, Mei - XIE, Dan - ZHANG, Yi - JIN, Jing - YOU, Feng - LI, Yan - DAI, Jungui - CHEN, Xiaoguang. A New 2 alpha,5 alpha,10 beta,14 beta-tetraacetoxy-4(20), 11-taxadiene (SIA) Derivative Overcomes Paclitaxel Resistance by Inhibiting MAPK Signaling and Increasing Paclitaxel

Accumulation in Breast Cancer Cells. In PLOS ONE. ISSN 1932-6203, 2014, vol. 9, no. 8, pp., WOS

[1.1] NISHIYAMA, Akira - DEY, Anup - TAMURA, Tomohiko - KO, Minoru - OZATO, Keiko. Activation of JNK Triggers Release of Brd4 from Mitotic Chromosomes and Mediates Protection from Drug-Induced Mitotic Stress. In PLOS ONE. ISSN 1932-6203, 2012, vol. 7, no. 5, pp., WOS

[1.1] PENG, Huiming - PENG, Tao - WEN, Jianguo - ENGLER, David A. - MATSUNAMI, Rise K. - SU, Jing - ZHANG, Le - CHANG, Chung-Che (Jeff) - ZHOU, Xiaobo. Characterization of p38 MAPK isoforms for drug resistance study using systems biology approach. In BIOINFORMATICS. ISSN 1367-4803, 2014, vol. 30, no. 13, pp. 1899., WOS

[1.1] SUI, H. - FAN, Z-Z - LI, Q. Signal Transduction Pathways and Transcriptional Mechanisms of ABCB1/Pgp-mediated Multiple Drug Resistance in Human Cancer Cells. In JOURNAL OF INTERNATIONAL MEDICAL RESEARCH. ISSN 0300-0605, 2012, vol. 40, no. 2, pp. 426., WOS

[1.1] VILLAR, V.H. - VÖGLER, O. - MARTÍNEZ-SERRA, J. - RAMOS, R. - CALABUIG-FARIÑAS, S. - GUTIÉRREZ, A. - BARCELÓ, F. - MARTÍN-BROTO, J. - ALEMANY, R. Nilotinib counteracts P-glycoprotein-mediated multidrug resistance and synergizes the antitumoral effect of doxorubicin in soft tissue sarcomas. In PLoS ONE, 2012, 7, 5, pp., WOS

[1.1] WEI, N. - SUN, H. - WANG, F.P. - LIU, G.T. H1, a novel derivative of tetrandrine reverse P-glycoprotein-mediated multidrug resistance by inhibiting transport function and expression of P-glycoprotein. In CANCER CHEMOTHERAPY AND PHARMACOLOGY. ISSN 0344-5704, MAY 2011, vol. 67, no. 5, p. 1017-1025., WOS

[1.1] XIAO, Zhi - DING, Nianhua - XIAO, Guiqing - WANG, Shouman - WU, Yuhui - TANG, Lili. Reversal of Multidrug Resistance by Gefitinib Via RAF1/ERK Pathway in Pancreatic Cancer Cell Line. In ANATOMICAL RECORD-ADVANCES IN INTEGRATIVE ANATOMY AND EVOLUTIONARY BIOLOGY. ISSN 1932-8486, 2012, vol. 295, no. 12, pp. 2122., WOS

[1.1] YE, Cai-Guo - YEUNG, John Hok-Keung - HUANG, Guo-Liang - CUI, Ping - WANG, Jian - ZOU, Yin - ZHANG, Xiang-Ning - HE, Zhi-Wei - CHO, Chi-Hin. Increased glutathione and mitogen-activated protein kinase phosphorylation are involved in the induction of doxorubicin resistance in hepatocellular carcinoma cells. In HEPATOLOGY RESEARCH. ISSN 1386-6346, 2013, vol. 43, no. 3, pp. 289., WOS

[1.1] ZHAO, Xiao-qin - DAI, Chun-ling - OHNUMA, Shinobu - LIANG, Yong-ju - DENG, Wen - CHEN, Jun-Jiang - ZENG, Mu-Sheng - AMBUDKAR, Suresh V. - CHEN, Zhe-Sheng - FU, Li-Wu. Tandutinib (MLN518/CT53518) targeted to stem-like cells by inhibiting the function of ATP-binding cassette subfamily G member 2. In EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES. ISSN 0928-0987, 2013, vol. 49, no. 3, pp. 441., WOS

[1.2] LI, Q. - SUI, H. - FAN, Z.-Z. Signal transduction pathways and transcriptional mechanisms of ABCB1/Pgp-mediated multiple drug resistance in human cancer cells. In Journal of International Medical Research, 2012, 40, 2, pp. 426-435., SCOPUS

[1.2] LI, Y.-L. - XIE, K.-M. - ZHANG, Y.-Y. - MU, H.-J. - ZHANG, B. - ZOU, J. - XIE, P. Effect of glucosylceramide synthase on P-gp expression by

ERK signal transduction pathway in leukemia multi-drug resistance cell line. In Chinese Journal of Medical Genetics, 2012, 29, 3, pp. 270-274., SCOPUS

ADCA07 BARTEKOVÁ, Monika - ČARNICKÁ, Slávka - PANCZA, Dezider - ONDREJČÁKOVÁ, Mária - BREIER, Albert - RAVINGEROVÁ, Táňa. Acute treatment with polyphenol quercetin improves postischemic recovery of isolated perfused rat hearts after global ischemia. In *Canadian Journal of Physiology and Pharmacology*, 2010, vol. 88, issue 4, s. 465-471. (1.341 - IF2009). (2010 - Current Contents). ISSN 0008-4212.

Ohlasy:

[1.1] AKHLAGHI, M. - BANDY, B. - WATSON, RR - PREEDY, VR. Protection by Plant Flavonoids Against Myocardial Ischemia-Reperfusion Injury. In BIOACTIVE FOOD AS DIETARY INTERVENTIONS FOR CARDIOVASCULAR DISEASE, 2013, vol., no., pp. 415., WOS

[1.1] HOU, Xiaomin - LIU, Yu - NIU, Longgang - CUI, Lijuan - ZHANG, Mingsheng. Enhancement of Voltage-Gated K⁺ Channels and Depression of Voltage-Gated Ca²⁺ Channels Are Involved in Quercetin-Induced Vasorelaxation in Rat Coronary Artery. In PLANTA MEDICA. ISSN 0032-0943, 2014, vol. 80, no. 6, pp. 465., WOS

[1.1] HRELIA, S. - ANGELONI, C. - WATSON, RR - PREEDY, VR. Quercetin and Its Metabolites in Heart Health. In BIOACTIVE FOOD AS DIETARY INTERVENTIONS FOR CARDIOVASCULAR DISEASE, 2013, vol., no., pp. 217., WOS

[1.1] ISAAK, C.K. - PETKAU, J.C. - KARMIN, O. - OMINSKI, K. - RODRIGUEZ-LECOMPTE, J.C. - SIOW, Y.L. Seasonal variations in phenolic compounds and antioxidant capacity of cornus stolonifera plant material: Applications in agriculture. In Canadian Journal of Plant Science, 2013, 93, 4, pp. 725-734., WOS

[1.1] JUHASZ, Bela - KERTESZ, Attila - BALLA, Jozsef - BALLA, Gyorgy - SZABO, Zoltan - BOMBICZ, Mariann - PRIKSZ, Daniel - GESZTELYI, Rudolf - VARGA, Balazs - HAINES, David D. - TOSAKI, Arpad. Cardioprotective Effects of Sour Cherry Seed Extract (SCSE) on the Hypercholesterolemic Rabbit Heart. In CURRENT PHARMACEUTICAL DESIGN. ISSN 1381-6128, 2013, vol. 19, no. 39, pp. 6896., WOS

[1.1] MOSAWY, Sapha - JACKSON, Denise E. - WOODMAN, Owen L. - LINDEN, Matthew D. The flavonols quercetin and 3'-, 4'-dihydroxyflavonol reduce platelet function and delay thrombus formation in a model of type 1 diabetes. In DIABETES & VASCULAR DISEASE RESEARCH. ISSN 1479-1641, 2014, vol. 11, no. 3, pp. 174-181., WOS

[1.1] NADTOCHIY, Sergiy M. - REDMAN, Emily K. Mediterranean diet and cardioprotection: The role of nitrite, polyunsaturated fatty acids, and polyphenols. In NUTRITION. ISSN 0899-9007, 2011, vol. 27, no. 7-8, pp. 733., WOS

[1.1] WANG, Y. - ZHANG, Z. Z. - WU, Y. - KE, J. J. - HE, X. H. - WANG, Y. L. Quercetin postconditioning attenuates myocardial ischemia/reperfusion injury in rats through the PI3K/Akt pathway. In BRAZILIAN JOURNAL OF MEDICAL AND BIOLOGICAL RESEARCH. ISSN 0100-879X, 2013, vol. 46, no. 10, pp. 861., WOS

[1.1] XU, Shan-hua - SHENG, Shou-xi - LV, Heng-hui - TANG, Lin - PURSHOTAMAN, E. Cardioprotective Properties of Blackcurrant Anthocyanin

Extract Against Ischemia-Reperfusion Injury. In INTERNATIONAL CONFERENCE ON BIOLOGICAL, MEDICAL AND CHEMICAL ENGINEERING (BMCE 2013), 2013, vol., no., pp. 258-262., WOS

[1.1] ZHOLOBENKO, A. - MODRIANSKY, M. Silymarin and its constituents in cardiac preconditioning. In FITOTERAPIA. ISSN 0367-326X, 2014, vol. 97, no., pp. 122-132., WOS

[1.2] ISLAM, Mohammed Akramul - SCHMIDT, Robert W. - GUNASEELAN, Simi - SANCHEZ, Anthony J. An update on the cardiovascular effects of quercetin, a plant flavonoid. In Current Nutrition and Food Science. ISSN 15734013, 2014-01-01, 10, 1, pp. 36-48., SCOPUS

[3.1] NOACK, C. - ZAFIRIOU, M. P. - SCHAEFFER, H. J. - RENGGER, A. - PAVLOVA, E. - DIETZ, R. - ZIMMERMANN, W. H. - BERGMANN, M. W. - ZELARAYAN, L. C. Krueppel-like factor 15 regulates Wnt/ β -catenin transcription and controls cardiac progenitor cell fate in the postnatal heart. In EMBO MOLECULAR MEDICINE, 2012, vol. 4, no. 9, pp. 992-1007., google scholar

[3.1] Shizuma, T. (2014). Relieving Effect of Quercetin on Ischemia/Reperfusion-Induced Liver Damage in an Animal Model. J Nutrition Health Food Sci, 1(1), 3., google scholar

[3.1] SUNAGAWA, T. - WATANABE, K. - OZAWA, Y. - NAKASHIMA, S. - KANDA, T. - TAGASHIRA, M. - SAMI, M. - KANEKO, T. - TAHARA, S. - NAKAYA, H. - SHIRASAWA, T. - SHIMIZU, T. Apple Polyphenols Regulate Mitochondrial Superoxide Generation and Extend Survival in a Mouse Model of Dilated Cardiomyopathy. In INT J LIFE SCI MED RES, SEPT 2012, vol. 2, no. 3, p. 46-51, google scholar

ADCA08 BAUEROVÁ-HLINKOVÁ, Vladena - HOSTINOVÁ, Eva - GAŠPERÍK, Juraj - BECK, K - BORKO, L. - LAI, F.A. - ZAHRADNÍKOVÁ, Alexandra - ŠEVČÍK, Jozef. Bioinformatic mapping and production of recombinant N-terminal domains of human cardiac ryanodine receptor 2. In *Protein Expression and Purification*, 2010, vol. 71, no. 1, p. 33-41. (1.563 - IF2009). (2010 - Current Contents). ISSN 1046-5928.

Ohlasy:

[1.1] BLAYNEY, Lynda - BECK, Konrad - MACDONALD, Ewan - D&APOS;CRUZ, Leon - NOMIKOS, Michail - GRIFFITHS, Julia - THANASSOULAS, Angelos - NOUNESIS, George - LAI, F. Anthony. ATP interacts with the CPVT mutation-associated central domain of the cardiac ryanodine receptor. In BIOCHIMICA ET BIOPHYSICA ACTA-GENERAL SUBJECTS. ISSN 0304-4165, 2013, vol. 1830, no. 10, pp. 4426., WOS

ADCA09 BEDNARCZYK, P. - KICINSKA, A. - KOMÍNKOVÁ, Viera - ONDRIAŠ, Karol - DOLOWY, K. - SZEWCZYK, A. Quinine inhibits mitochondrial ATP-regulated potassium channel from bovine heart. In *Journal of Membrane Biology*, 2004, vol. 199, iss. 2, p. 63-72. ISSN 0022-2631.

Ohlasy:

[1.1] KAJMA, Anna - SZEWCZYK, Adam. A new pH-sensitive rectifying potassium channel in mitochondria from the embryonic rat hippocampus. In BIOCHIMICA ET BIOPHYSICA ACTA-BIOENERGETICS. ISSN 0005-2728, 2012, vol. 1817, no. 10, pp. 1867., WOS

[1.1] SZABO, Ildiko - LEANZA, Luigi - GULBINS, Erich - ZORATTI,

Mario. Physiology of potassium channels in the inner membrane of mitochondria. In PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY. ISSN 0031-6768, 2012, vol. 463, no. 2, pp. 231., WOS

[1.1] SZABO, Ildiko - ZORATTI, Mario. MITOCHONDRIAL CHANNELS: ION FLUXES AND MORE. In PHYSIOLOGICAL REVIEWS. ISSN 0031-9333, 2014, vol. 94, no. 2, pp. 519., WOS

[1.1] WISNIEWSKA-BECKER, A. - GRUSZECKI, W. I. - PIGNATELLO, R. Biomembrane models. In DRUG-BIOMEMBRANE INTERACTION STUDIES: THE APPLICATION OF CALORIMETRIC TECHNIQUES. ISSN 2050-0289, 2013, vol., no. 45, pp. 47., WOS

ADCA10 BELEVYCH, Andriy E. - KUBALOVÁ, Zuzana - TERENTYEV, D. - HAMLIN, Robert L. - CARNES, Cynthia A. - GYORKE, S. Enhanced ryanodine receptor-mediated calcium leak determines reduced sarcoplasmic reticulum calcium content in chronic canine heart failure. In *Biophysical Journal*, 2007, vol. 93, no., p. 4083-4092. (2007 - Current Contents). ISSN 0006-3495.

Ohlasy:

[1.1] AISTRUP, Gary L. - BALKE, C. William - WASSERSTROM, J. Andrew. Arrhythmia triggers in heart failure: The smoking gun of $[Ca^{2+}]_i$ dysregulation. In HEART RHYTHM, 2011, vol.8, no.11, 1804., WOS

[1.1] BOVO, Elisa - MAZUREK, Stefan R. - BLATTER, Lothar A. - ZIMA, Aleksey V. Regulation of sarcoplasmic reticulum Ca^{2+} leak by cytosolic Ca^{2+} in rabbit ventricular myocytes. In JOURNAL OF PHYSIOLOGY-LONDON, 2011, vol.589, no.24, 6039., WOS

[1.1] BRISTON, Sarah J. - TRAFFORD, Andrew W. Primum non nocere: When will ryanodine receptor leak find its role in heart failure? In JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY, 2011, vol.50, no.1, 13., WOS

[1.1] CARTER, Simon - PITT, Samantha J. - COLYER, John - SITSAPESAN, Rebecca. Ca^{2+} -Dependent Phosphorylation of RyR2 Can Uncouple Channel Gating from Direct Cytosolic Ca^{2+} Regulation. In JOURNAL OF MEMBRANE BIOLOGY, 2011, vol.240, no.1, 21., WOS

[1.1] COOPER, Leroy L. - LI, Weiyan - LU, Yichun - CENTRACCHIO, Jason - TERENTYEVA, Radmila - KOREN, Gideon - TERENTYEV, Dmitry. Redox modification of ryanodine receptors by mitochondria-derived reactive oxygen species contributes to aberrant Ca^{2+} handling in ageing rabbit hearts. In JOURNAL OF PHYSIOLOGY-LONDON. ISSN 0022-3751, 2013, vol. 591, no. 23, pp. 5895., WOS

[1.1] DONOSO, Paulina - SANCHEZ, Gina - BULL, Ricardo - HIDALGO, Cecilia. Modulation of cardiac ryanodine receptor activity by ROS and RNS. In FRONTIERS IN BIOSCIENCE-LANDMARK, 2011, vol.16, no., 553., WOS

[1.1] EISNER, David - BODE, Elizabeth - VENETUCCI, Luigi - TRAFFORD, Andrew. Calcium flux balance in the heart. In JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY. ISSN 0022-2828, 2013, vol. 58, no., pp. 110., WOS

[1.1] EISNER, David - CALDWELL, Jessica - TRAFFORD, Andrew. Sarcoplasmic Reticulum Ca-ATPase and Heart Failure 20 Years Later. In CIRCULATION RESEARCH. ISSN 0009-7330, 2013, vol. 113, no. 8, pp. 958., WOS

[1.1] GUERRERO-HERNANDEZ, Agustin - AVILA, Guillermo - RUEDA,

Angelica. Ryanodine receptors as leak channels. In EUROPEAN JOURNAL OF PHARMACOLOGY. ISSN 0014-2999, 2014, vol. 739, no., pp. 26., WOS

[1.1] KERFANT, Benoit-Gilles - VERHEULE, Sander - SCHOTTEN, Ulrich. Leaky ryanodine receptors in the failing heart: the root of all evil? In CARDIOVASCULAR RESEARCH, 2011, vol.90, no.3, 399., WOS

[1.1] MARX, Steven O. - MARKS, Andrew R. Dysfunctional ryanodine receptors in the heart: New insights into complex cardiovascular diseases. In JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY. ISSN 0022-2828, 2013, vol. 58, no., pp. 225., WOS

[1.1] MAXWELL, Joshua T. - DOMEIER, Timothy L. - BLATTER, Lothar A. Dantrolene prevents arrhythmogenic Ca²⁺ release in heart failure. In AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY. ISSN 0363-6135, 2012, vol. 302, no. 4, pp. H953., WOS

[1.1] PEREIRA, Laetitia - CHENG, Hongqiang - LAO, Dieu Hung - NA, Li - VAN OORT, Ralph J. - BROWN, Joan Heller - WEHRENS, Xander H. T. - CHEN, Ju - BERS, Donald M. Epac2 Mediates Cardiac beta

1-Adrenergic-Dependent Sarcoplasmic Reticulum Ca²⁺ Leak and Arrhythmia. In CIRCULATION. ISSN 0009-7322, 2013, vol. 127, no. 8, pp. 913., WOS

[1.1] SHKRYL, Vyacheslav M. - MAXWELL, Joshua T. - DOMEIER, Timothy L. - BLATTER, Lothar A. Refractoriness of sarcoplasmic reticulum Ca²⁺ release determines Ca²⁺ alternans in atrial myocytes. In AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY. ISSN 0363-6135, 2012, vol. 302, no. 11, pp. H2310., WOS

[1.1] TAMARGO, Juan - LOPEZ-SENDON, Jose. Novel therapeutic targets for the treatment of heart failure. In NATURE REVIEWS DRUG DISCOVERY, 2011, vol.10, no.7, 536., WOS

[1.1] TENCEROVA, Barbora - ZAHRAĐNIKOVA, Alexandra - GABURJAKOVA, Jana - GABURJAKOVA, Marta. Luminal Ca²⁺ controls activation of the cardiac ryanodine receptor by ATP. In JOURNAL OF GENERAL PHYSIOLOGY. ISSN 0022-1295, 2012, vol. 140, no. 2, pp. 93., WOS

[1.1] VENKATARAMAN, Raghav - BALDO, Marcelo Perim - HWANG, Hyun Seok - VELTRI, Tiago - PINTO, Jose Renato - BAUDENBACHER, Franz J. - KNOLLMANN, Bjoern C. Myofilament calcium de-sensitization and contractile uncoupling prevent pause-triggered ventricular tachycardia in mouse hearts with chronic myocardial infarction. In JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY. ISSN 0022-2828, 2013, vol. 60, no., pp. 8., WOS

ADCA11 BENEŠ, J. - MRAVEC, Boris - KRIŽANOVÁ, Ol'ga - KVETŇANSKÝ, Richard - MYSLIVEČEK, Jaromír. The restructuring of dopamine receptor subtype gene transcripts in c-fos KO mice. In *Brain Research Bulletin*, 2012, vol. 87, no., p. 511-520. (2.818 - IF2011). (2012 - Current Contents). ISSN 0361-9230. GACR 309/090/406. Dostupné na internete: <<http://www.scopus.com/inward/record.url?partnerID=HzOxMe3b&scp=84859158438&origin=inward>>.

Ohlasy:

[1.1] MARUSKA, Karen P. - BECKER, Lisa - NEBOORI, Anoop - FERNALD, Russell D. Social descent with territory loss causes rapid behavioral, endocrine and transcriptional changes in the brain. In JOURNAL OF

- ADCA12 ŠPÁNIKOVÁ, Anna - ŠIMONČÍKOVÁ, Petra - RAVINGEROVÁ, Táňa - PECHÁŇOVÁ, Oľga - BARANČÍK, Miroslav. The effect of chronic nitric oxide synthases inhibition on regulatory proteins in rat hearts. In *Molecular and Cellular Biochemistry*, 2008, vol. 312, iss. 1-2, p. 113-120. (1.707 - IF2007). (2008 - Current Contents). ISSN 0300-8177.

Ohlasy:

[1.1] BROOM, L. - MARINOVA-MUTAFCHIEVA, L. - SADEGHIAN, M. - DAVIS, J.B. - MEDHURST, A.D. - DEXTER, D.T. Neuroprotection by the selective iNOS inhibitor GW274150 in a model of Parkinson disease. In *FREE RADICAL BIOLOGY AND MEDICINE*. ISSN 0891-5849, MAR 1 2011, vol. 50, no. 5, p. 633-640., WOS

[1.1] HALE, S.A. - WEGER, L. - MANDALA, M. - OSOL, G. Reduced NO signaling during pregnancy attenuates outward uterine artery remodeling by altering MMP expression and collagen and elastin deposition. In *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*. ISSN 0363-6135, OCT 2011, vol. 301, no. 4, p. H1266-H1275., WOS

[1.1] HLAVACKOVA, L. - JANEGOVA, A. - ULICNA, O. - JANEGA, P. - CERNA, A. - BABAL, P. Spice up the hypertension diet - curcumin and piperine prevent remodeling of aorta in experimental L-NAME induced hypertension. In *NUTRITION & METABOLISM*. ISSN 1743-7075, OCT 17 2011, vol. 8., WOS

[1.1] VIGNON-ZELLWEGER, N. - RELLE, K. - RAHNENFUHRER, J. - SCHWAB, K. - HOCHER, B. - THEURING, F. Endothelin-1 overexpression and endothelial nitric oxide synthase knock-out induce different pathological responses in the heart of male and female mice. In *LIFE SCIENCES*. ISSN 0024-3205, NOV 24 2014, vol. 118, no. 2, p. 219-225., WOS

[1.2] NEVES, M.F. - KASAL, D.A.B. - CUNHA, A.R. - MEDEIROS, F. Vascular dysfunction as target organ damage in animal models of hypertension. In *INTERNATIONAL JOURNAL OF HYPERTENSION*, 2012, art. no. 187526., SCOPUS

- ADCA13 BOHÁČOVÁ, Viera - DOČOLOMANSKÝ, Peter - BREIER, Albert - GEMEINER, P. - ZIEGELHÖFFER, Attila. Interaction of lactate dehydrogenase with anthraquinone dyes: characterization of ligands for dye-ligand chromatography. In *Journal of Chromatography. B.Biomedical Applications*, 1998, vol. 715, issue 1, p. 273-281. (1.588 - IF1997). (1998 - Current Contents, MEDLINE). ISSN 0378-4347.

Ohlasy:

[1.1] BOSCHETTI, Egisto - RIGHETTI, Pier Giorgio. Mixed Beds Beyond the Frontiers of Classical Chromatography for Proteins. In *ADVANCES IN CHROMATOGRAPHY, VOL 50*. ISSN 0065-2415, 2012, vol. 50, no., pp. 1., WOS

[1.1] GECGEL, Unal - KOLANCILAR, Hakan. Adsorption of Remazol Brilliant Blue R on activated carbon prepared from a pine cone. In *NATURAL PRODUCT RESEARCH*. ISSN 1478-6419, 2012, vol. 26, no. 7, pp. 659., WOS

[1.1] JOVANOVIĆ, Vesna B. - PENEZIC-ROMANJUK, Ana Z. - PAVICEVIC, Ivan D. - ACIMOVIC, Jelena M. - MANDIC, Ljuba M. Improving

the reliability of human serum albumin-thiol group determination. In ANALYTICAL BIOCHEMISTRY. ISSN 0003-2697, 2013, vol. 439, no. 1, pp. 17., WOS

[1.2] GHAVAMI, Raouf - RASOULI, Zolikhha. Investigation of retention behavior of anthraquinoids in RP-HPLC on 17 different C18 stationary phases by means of quantitative structure retention relationships. In Medicinal Chemistry Research. ISSN 10542523, 2013-06-01, 22, 6, pp. 2677-2691., SCOPUS

[1.2] SEIDEL, N. - SEICHTER, W. - WEBER, E. 1,5-Diamino-2,6-dibromo-9,10-anthraquinone. In Acta Crystallographica Section E: Structure Reports Online, 2012, 68, 3, pp., SCOPUS

ADCA14 BOHÁČOVÁ, Viera - SULOVIČ, Zdena - DOVINOVIČ, 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. (0.772 - IF2005). ISSN 0887-2333.

Ohlasy:

[3.1] 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

ADCA15 BREIER, Albert - ZIEGELHÖFFER, Attila - STANKOVIČOVÁ, Tatiana - DOČOLOMANSKÝ, Peter - GEMEINER, Peter - VRBANOVÁ, Alena. Inhibition of (NA/K)-Atpase by electrophilic substances-functional implications. In *Molecular and Cellular Biochemistry : an international journal for chemical biology in health and disease*, 1995, vol. 147, p. 187-192. ISSN 0300-8177.

Ohlasy:

[1.1] MI, Lixin - DI PASQUA, Anthony J. - CHUNG, Fung-Lung. Proteins as binding targets of isothiocyanates in cancer prevention. In CARCINOGENESIS, 2011, vol.32, no.10, 1405., WOS

ADCA16 BREIER, Albert - ZIEGELHÖFFER, Attila - FAMULSKY, K. - MICHALAK, M. - SLEZÁK, Ján. Is cysteine residue important in FITC-sentive ATP-binding site of P-type ATPases? A commentary to the state of the art. In *Molecular and Cellular Biochemistry*, 1996, vol. 160/161, p. 89-93. (1996 - Current Contents). ISSN 0300-8177.

Ohlasy:

[1.1] SOUKUP, T. Effects of Long-Term Thyroid Hormone Level Alterations, n-3 Polyunsaturated Fatty Acid Supplementation and Statin Administration in Rats. In PHYSIOLOGICAL RESEARCH. ISSN 0862-8408, 2014, vol. 63, no., pp. S119-S131., WOS

[1.1] WANG, Zhongshan - WANG, Guangjun - XIANG, Quanju - ZHANG, Yizheng - WANG, Haiyan. Identification and characterization of a multi-domain sulfurtransferase in Phanerochaete chrysosporium. In BIOTECHNOLOGY LETTERS. ISSN 0141-5492, 2014, vol. 36, no. 5, pp. 993-999., WOS

[3] YE, B.C. - ZHANG, M. - YIN, B.CH. Metal Nanoparticles-Based Colorimetric Probe Design and Its Application. In Nano-Bio Probe Design and Its Application for Biochemical Analysis, Chemistry and Materials Science Series, Springer Heidelberg, New York, Dordrecht, London, DOI: 10.1007/978-3-642-29543-0_4, ISBN 978-3-642-29542-3, 2012, p. 39-64

ADCA17 BREIER, Albert - BARANČÍK, Miroslav - SULOVA, Zdena - UHRÍK, Branislav. P-glycoprotein - Implications of metabolism of neoplastic cells and cancer therapy. In *Current Cancer Drug Targets*, 2005, vol. 5, iss. 6, p. 457-468. ISSN 1568-0096.

Ohlasy:

[1.1] ARIF, Jamal M. - FAROOQUI, Alvina - SIDDIQUI, Mohammad Haris - AL-KARRAWI, Mohammed - AL-HAZMI, Awdah - AL-SAGAIR, Othman A. - URRAHMAN, A. Novel Bioactive Peptides from Cyanobacteria: Functional, Biochemical, and Biomedical Significance. In BIOACTIVE NATURAL PRODUCTS, VOL 36. ISSN 1572-5995, 2012, vol. 36, no., pp. 111., WOS

[1.1] GIUNTI, Serena - ANTONELLI, Alessandro - AMOROSI, Andrea - SANTARPIA, Libero. Cellular Signaling Pathway Alterations and Potential Targeted Therapies for Medullary Thyroid Carcinoma. In INTERNATIONAL JOURNAL OF ENDOCRINOLOGY. ISSN 1687-8337, 2013, vol., no., pp., WOS

[1.1] GU, Kang-Sheng - CHEN, Yu. Mechanism of P-glycoprotein Expression in the SGC7901 Human Gastric Adenocarcinoma Cell Line Induced by Cyclooxygenase-2. In ASIAN PACIFIC JOURNAL OF CANCER PREVENTION. ISSN 1513-7368, 2012, vol. 13, no. 5, pp. 2379., WOS

[1.1] HALDER, Amit K. - SAHA, Achintya - JHA, Tarun. The Role of 3D Pharmacophore Mapping Based Virtual Screening for Identification of Novel Anticancer Agents: An Overview. In CURRENT TOPICS IN MEDICINAL CHEMISTRY. ISSN 1568-0266, 2013, vol. 13, no. 9, pp. 1098-1126., WOS

[1.1] CHEN, Guodi - QUAN, Sheng - HU, Qiongge - WANG, Liancong - XIA, Xiaoping - WU, Jing. Lack of association between MDR1 C3435T polymorphism and chemotherapy response in advanced breast cancer patients: evidence from current studies. In MOLECULAR BIOLOGY REPORTS. ISSN 0301-4851, 2012, vol. 39, no. 5, pp. 5161., WOS

[1.1] KOFLA, G. - TURNER, V. - SCHULZ, B. - STORCH, U. - FROELICH, D. - ROGNON, B. - COSTE, A.T. - SANGLARD, D. - RUHNKE, M. Doxorubicin induces drug efflux pumps in Candida albicans. In MEDICAL MYCOLOGY. ISSN 1369-3786, FEB 2011, vol. 49, no. 2, p. 132-142., WOS

[1.1] LEE, J.S. - JUNG, I.D. - LEE, C.M. - NOH, K.T. - PARK, J.W. - SON, K.H. - HEO, D.R. - SHIN, Y.K. - KIM, D. - PARK, Y.M. Venlafaxine inhibits the development and differentiation of dendritic cells through the regulation of p-glycoprotein. In INTERNATIONAL IMMUNOPHARMACOLOGY. ISSN 1567-5769, SEP 2011, vol. 11, no. 9, p. 1348-1357., WOS

[1.1] LING, Xianlong - HE, Yuqi - ZHANG, Guoqiao - ZHOU, Yuan - YAN, Bin. Increased P-glycoprotein expression in mitochondria is related to acquired multidrug resistance in human hepatoma cells depleted of mitochondrial DNA. In INTERNATIONAL JOURNAL OF ONCOLOGY. ISSN 1019-6439, 2012, vol. 40, no. 1, pp. 109., WOS

[1.1] MENG, Xianying - ZHANG, Qiang - ZHENG, Guibin - PANG, Renzhu - HUA, Tebo - YANG, Shuai - LI, Jie. Doxorubicin combined with

celecoxib inhibits tumor growth of medullary thyroid carcinoma in xenografted mice. In ONCOLOGY LETTERS. ISSN 1792-1074, 2014, vol. 7, no. 6, pp. 2053., WOS

[1.1] SHEN, Yi - CHU, Yan - YANG, Yan - WANG, Zehua. Mitochondrial localization of P-glycoprotein in the human breast cancer cell line MCF-7/ADM and its functional characterization. In ONCOLOGY REPORTS. ISSN 1021-335X, 2012, vol. 27, no. 5, pp. 1535., WOS

[1.1] SHETAB-BOUSHEHRI, Seyed Vahid - ABDOLLAHI, Mohammad. Current Concerns on the Validity of in vitro Models that use Transformed Neoplastic Cells in Pharmacology and Toxicology. In INTERNATIONAL JOURNAL OF PHARMACOLOGY. ISSN 1811-7775, 2012, vol. 8, no. 6, pp. 594., WOS

[1.1] SUN, Qian - LI, Yan. The Inhibitory Effect of Pseudolaric Acid B on Gastric Cancer and Multidrug Resistance via Cox-2/PKC-alpha/P-gp Pathway. In PLOS ONE. ISSN 1932-6203, 2014, vol. 9, no. 9, pp., WOS

[1.1] SZAFARSKI, Witold - SUJKA-KORDOWSKA, Patrycja - JANUCHOWSKI, Radosław - WOJTOWICZ, Karolina - ANDRZEJEWSKA, Małgorzata - NOWICKI, Michał - ZABEL, Maciej. Nuclear localization of P-glycoprotein is responsible for protection of the nucleus from doxorubicin in the resistant LoVo cell line. In Biomedicine and Pharmacotherapy. ISSN 07533322, 2013-07-01, 67, 6, pp. 497-502., WOS

[1.1] TROSELJ, Koraljka Gall - KUJUNDZIC, Renata Novak. Curcumin in Combined Cancer Therapy. In CURRENT PHARMACEUTICAL DESIGN. ISSN 1381-6128, 2014, vol. 20, no. 42, pp. 6682., WOS

[1.1] VIVALDI, A. - CIAMPI, R. - TACITO, A. - MOLINARO, E. - AGATE, L. - BOTTICI, V. - PINCHERA, A. - COLLECCHI, P. - ELISEI, R. Celecoxib, a cyclooxygenase-2 inhibitor, potentiates the chemotherapeutic effect of vinorelbine in the medullary thyroid cancer TT cell line. In MOLECULAR AND CELLULAR ENDOCRINOLOGY. ISSN 0303-7207, 2012, vol. 355, no. 1, pp. 41., WOS

[1.1] WANG, Jun - WANG, Baocheng - BI, Jingwang - LI, Kainan - DI, Jianshi. MDR1 gene C3435T polymorphism and cancer risk: a meta-analysis of 34 case-control studies. In JOURNAL OF CANCER RESEARCH AND CLINICAL ONCOLOGY. ISSN 0171-5216, 2012, vol. 138, no. 6, pp. 979., WOS

[1.1] WANG, Zhaoming - WANG, Ting - BIAN, Jianmin. Association between MDR1 C3435T polymorphism and risk of breast cancer. In GENE. ISSN 0378-1119, 2013, vol. 532, no. 1, pp. 94-99., WOS

[1.1] WU, Dan-Dan - ZHANG, Ji-Xiang - LI, Jiao - DONG, Wei-Guo. Lack of Association of the MDR1 C3435T Polymorphism with Susceptibility to Gastric Cancer and Peptic Ulcer: a Systemic Review and Meta-analysis. In ASIAN PACIFIC JOURNAL OF CANCER PREVENTION. ISSN 1513-7368, 2014, vol. 15, no. 7, pp. 3021., WOS

[1.1] XU, Hong-Bin - XU, Lu-Zhong - MAO, Xia-Ping - FU, Jun. Guggulsterone of Commiphora mukul resin reverses drug resistance in imatinib-resistant leukemic cells by inhibiting cyclooxygenase-2 and P-glycoprotein. In PHYTOMEDICINE. ISSN 0944-7113, 2014, vol. 21, no. 7, pp. 1004., WOS

[1.1] YAN, Yulan - LIANG, Hongjie - XIE, Li - HE, Yu - LI, Meng - LI, Ruolin - LI, Shan - QIN, Xue. Association of MDR1 G2677T polymorphism and

leukemia risk: evidence from a meta-analysis. In TUMOR BIOLOGY. ISSN 1010-4283, 2014, vol. 35, no. 3, pp. 2191., WOS

[1.1] ZHANG, Y.Q. - LI, N. - BROWN, P.W. - OZER, J.S. - LAI, Y.R. Liquid chromatography/tandem mass spectrometry based targeted proteomics quantification of P-glycoprotein in various biological samples. In RAPID COMMUNICATIONS IN MASS SPECTROMETRY. ISSN 0951-4198, JUN 30 2011, vol. 25, no. 12, p. 1715-1724., WOS

[1.1] ZHANG, Zhaohai - ZHAO, Yongfu - JIANG, Lili - MIAO, Xiaoyan - ZHOU, Huimin - JIA, Li. Glycomic alterations are associated with multidrug resistance in human leukemia. In INTERNATIONAL JOURNAL OF BIOCHEMISTRY & CELL BIOLOGY. ISSN 1357-2725, 2012, vol. 44, no. 8, pp. 1244., WOS

[1.1] ZHAO, Li - LI, Kai - LI, Wusheng - YANG, Zhen. Association between the C3435T polymorphism of ABCB1/MDR1 gene (rs1045642) and colorectal cancer susceptibility. In TUMOR BIOLOGY. ISSN 1010-4283, 2013, vol. 34, no. 3, pp. 1949-1957., WOS

[9] LAZOVA, R. - CHAKRABORTY, A.K. - PAWELEK, J.M. Cancer Cell Fusion with Myeloid Cells: Implications for Energy Metabolism in Malignant Hybrids. In CELL FUSIONS: REGULATION AND CONTROL. ISBN 978-90-481-9771-2, 2011, p. 351-394., MONOGRAFIA

ADCA18 BREIER, Albert - GEMEINER, Peter - ZIEGELHÖFFER, Attila. Simple estimation of carrier binding capacity using sorption kinetics curve-fitting. In *Journal of Biochemical and Biophysical Methods*, 1984, vol. 9, p. 267-275. ISSN 0165-022X.

Ohlasy:

[1.1] APIRATIKUL, Ronbanchob - MADACHA, Viriya - PAVASANT, Prasert. Kinetic and mass transfer analyses of metal biosorption by *Caulerpa lentillifera*. In DESALINATION. ISSN 0011-9164, 2011, vol. 278, no. 1-3, pp. 303-311., WOS

ADCA19 BREIER, Albert - MICHALAK, M. 2,4,6-trinitrobenzenesulfonic acid modification of the carboxyl-terminal region (C-domain) of calreticulin. In *Molecular and Cellular Biochemistry : an international journal for chemical biology in health and disease*, 1994, vol. 130, iss. 1, p. 19-28. ISSN 0300-8177.

Ohlasy:

[1.1] BAKIU, Rigers. Calreticulin molecular evolution: a strong purifying and episodic diversifying selection result. In BIOLOGIA. ISSN 0006-3088, 2014, vol. 69, no. 3, pp. 270., WOS

ADCA20 BRTKO, Július - ROCK, E. - NEZBEDOVÁ, P. - KRIŽANOVÁ, Oľga - DVORČÁKOVÁ, M. - MINET - QUINARD, R - FARGES, M. C. - RIBALTA, J. - WINKLOHOFER - ROOB, B.M. - VASSON, M.P. - MACEJOVÁ, Dana. Age-related change in the retinoid X receptor beta gene expression in peripheral blood mononuclear cells of healthy volunteers: Effect of 13-cis retinoic acid supplementation. In *Mechanisms of Ageing and Development*, 2007, vol. 128, iss. 11-12, p. 594-600. ISSN 0047-6374.

Ohlasy:

[1.1] ALBERS, Ruud - BOURDET-SICARD, Raphaelle - BRAUN, Deborah - CALDER, Philip C. - HERZ, Udo - LAMBERT, Claude -

LENOIR-WIJNKOOP, Irene - MEHEUST, Agnes - OUWEHAND, Arthur - PHOTHIRATH, Phoukham - SAKO, Tomoyuki - SALMINEN, Seppo - SIEMENSMA, Andre - VAN LOVEREN, Henk - SACK, Ulrich. Monitoring immune modulation by nutrition in the general population: identifying and substantiating effects on human health. In *BRITISH JOURNAL OF NUTRITION*. ISSN 0007-1145, 2013, vol. 110, no., pp. S1., WOS

ADCA21 BRTKO, Július - FILIPČÍK, Peter - HUDECOVÁ, Soňa - BRTKOVÁ, A. - BRANSOVÁ, J. Nuclear all-trans retinoic acid receptors - In vitro effects of selenium. In *Biological Trace Element Research*, 1998, vol. 62, p. 43-50. ISSN 0163-4984.

Ohlasy:

[1.1] VINCETI, Marco - CRESPI, Catherine M. - BONVICINI, Francesca. - MALAGOLI, Carlotta - FERRANTE, Margherita - MARMIROLI, Sandra - STRANGES, Saverio. The need for a reassessment of the safe upper limit of selenium in drinking water. In *SCIENCE OF THE TOTAL ENVIRONMENT*. ISSN 0048-9697, 2013, vol. 443, no., pp. 633., WOS

ADCA22 CAFFIN, Fanny - PROLA, Alexandre - PIQUEREAU, Jérôme - NOVOTOVÁ, Marta - DAVID, D.J. - GARNIER, A. - FORTIN, Dominique - ALAVI, Marcel V. - VEKSLER, Vladimir - VENTURA-CLAPIER, Renée - JOUBERT, F. Altered skeletal muscle mitochondrial biogenesis but improved endurance capacity in trained OPA1-deficient mice. In *Journal of Physiology*, 2013, vol. 591, no. 23, p. 6017-6037. (4.380 - IF2012). (2013 - Current Contents). ISSN 0022-3751. VEGA 2/0116/12, APVV SK-FR-0021-11, grant Štefánik 17948XC.

Ohlasy:

[1.1] LIU, Ruohai - JIN, Pengpeng - YU, Liquan - WANG, Ying - HAN, Liping - SHI, Tong - LI, Xu. Impaired Mitochondrial Dynamics and Bioenergetics in Diabetic Skeletal Muscle. In *PLOS ONE*. ISSN 1932-6203, 2014, vol. 9, no. 3, pp., WOS

[1.1] ZHANG, Li - HE, Zhijie - ZHANG, Qi - WU, Yi - YANG, Xiaojiao - NIU, Wenxiu - HU, Yongshan - JIA, Jie. Exercise Pretreatment Promotes Mitochondrial Dynamic Protein OPA1 Expression after Cerebral Ischemia in Rats. In *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*. ISSN 1422-0067, 2014, vol. 15, no. 3, pp. 4453., WOS

ADCA23 CAPENER, C. E. - PROKS, Peter - ASHCROFT, F. M. - SANSOM, M. S. P. Filter flexibility in a mammalian K channel: Models and simulations of Kir6.2 mutants. In *Biophysical Journal*, 2003, vol. 84, issue 4, p. 2345-2356.

Ohlasy:

[1.1] CECCARINI, Luisa - MASETTI, Matteo - CAVALLI, Andrea - RECANATINI, Maurizio. Ion Conduction through the hERG Potassium Channel. In *PLOS ONE*. ISSN 1932-6203, 2012, vol. 7, no. 11, pp., WOS

[1.1] EISENBERG, Bob - RICE, SA - DINNER, AR. CROWDED CHARGES IN ION CHANNELS. In *ADVANCES IN CHEMICAL PHYSICS*, VOL 148. ISSN 0065-2385, 2012, vol. 148, no., pp. 77., WOS

[1.1] GRAVEL, Andree E. - ARNOLD, Alexandre A. - DUFOURC, Erick J. - MARCOTTE, Isabelle. An NMR investigation of the structure, function and role of the hERG channel selectivity filter in the long QT syndrome. In *BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES*. ISSN 0005-2736,

2013, vol. 1828, no. 6, pp. 1494., WOS

[1.1] CHAKRAPANI, Sudha - CORDERO-MORALES, Julio F. - JOGINI, Vishwanath - PAN, Albert C. - CORTES, D. Marien - ROUX, Benoit - PEROZO, Eduardo. On the structural basis of modal gating behavior in K⁺ channels. In NATURE STRUCTURAL & MOLECULAR BIOLOGY, 2011, vol.18, no.1, 67., WOS

[1.1] MORAN, Oscar - GROTTESI, Alessandro - CHADBUM, Andrew J. - TAMMARO, Paolo. Parametrisation of the free energy of ATP binding to wild-type and mutant Kir6.2 potassium channels. In BIOPHYSICAL CHEMISTRY. ISSN 0301-4622, 2013, vol. 171, no., pp. 76., WOS

[1.1] NIKOUEE, Azadeh - KHABIRI, Morteza - GRISSMER, Stephan - ETTRICH, Ruediger. Charybdotoxin and Margatoxin Acting on the Human Voltage-Gated Potassium Channel hK(v)1.3 and Its H399N Mutant: An Experimental and Computational Comparison. In JOURNAL OF PHYSICAL CHEMISTRY B. ISSN 1520-6106, 2012, vol. 116, no. 17, pp. 5132., WOS

[1.1] RAJA, Mobeen - OLRICH, Nick K. - VALES, Elisabeth - SCHREMPF, Hildgund. Transferring knowledge towards understanding the pore stabilizing variations in K⁺ channels. In JOURNAL OF BIOENERGETICS AND BIOMEMBRANES. ISSN 0145-479X, 2012, vol. 44, no. 1, pp. 199., WOS

[1.1] RAJA, Mobeen. The potassium channel KcsA: A model protein in studying membrane protein oligomerization and stability of oligomeric assembly? In ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS, 2011, vol.510, no.1, 1., WOS

[1.2] EISENBERG, Bob. Crowded charges in ion channels. In Advances in Chemical Physics. ISSN 00652385, 2013-12-01, 148, pp. 77-223., SCOPUS

ADCA24 CURTET, S. - SOULIER, Jean-Louis - ZAHRAĐNÍK, Ivan - GINER, Mireille - BERWUEBESTEL, Isabelle - MIALET, Jeanne - LEZOUALCH, Frank - DONZEAU-GOUGE, P. - SICSIC, Sames - FISCHMEISTER, Rodolphe - LANGLOIS, Michel. New arylpiperazine derivatives as antagonists of the human cloned 5-HT₄ receptor isoforms. In *Journal of medicinal chemistry*, 2000, vol. 43, no. 20, p. 873-882. ISSN 0022-2623.

Ohlasy:

[1.1] NIROGI, Ramakrishna - KANDIKERE, Vishwottam - BHYRAPUNENI, Gopinadh - SARALAYA, Ramanatha - AJJALA, Devender Reddy - ALETI, Raghupathi Reddy - RASHEED, Mohammed Abdul. In-vivo rat striatal 5-HT₄ receptor occupancy using non-radiolabelled SB207145. In JOURNAL OF PHARMACY AND PHARMACOLOGY. ISSN 0022-3573, 2013, vol. 65, no. 5, pp. 704., WOS

[1.2] MILLS, J.E.J. - BROWN, A.D. - RYCKMANS, T. - MILLER, D.C. - SKERRATT, S.E. - BARKER, C.M. - BUNNAGE, M.E. SAR mining and its application to the design of TRPA1 antagonists. In MedChemComm, 2012, 3, 2, pp. 174-178., SCOPUS

ADCA25 ČAČÁNYIOVÁ, Soňa - KRISTEK, František - MÁLEKOVÁ, Magdaléna - ONDRIÁŠ, Karol. Effect of chronic neuronal nitric oxide-synthase inhibition on arterial function and structure in spontaneously hypertensive rats. In *Journal of Physiology and Pharmacology : formerly Acta Physiologica Polonica*, 2012, vol. 63, no. 1, p. 23-28. (2.267 - IF2011). (2012 - Current Contents). ISSN 0867-5910. VEGA 2/0111/12, VEGA 2/0019/12, SK-SRB-0026-09, SAS-NSC JRP 2010/01.

Ohlasy:

- [1.1] ADAMCOVA, M. - RUZICKOVA, S. - SIMKO, F. Multiplexed immunoassays for simultaneous quantification of cardiovascular biomarkers in the model of H-G-nitro-L-arginine methylester (L-NAME) hypertensive rat. In JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY. ISSN 0867-5910, 2013, vol. 64, no. 2, pp. 211., WOS
- [1.1] EKMEKCI, Ahmet - OZCAN, Kazim Serhan - GUNGOR, Baris - ABACI, Neslihan - OSMONOV, Damirbek - ZENCIRCI, Aycan - TOPRAK, Ercan - DONMEZ, Cevdet - USTEK, Duran - GULEC, Cagri - EREN, Mehmet. The relationship between endothelial nitric oxide synthase 4a/4b gene polymorphism and premature coronary artery disease. In ACTA CARDIOLOGICA. ISSN 0001-5385, 2013, vol. 68, no. 5, pp. 464., WOS
- [1.1] RADWANSKA, P. - KOSIOR-KORZECKA, U. EFFECT OF LEPTIN ON THYROID-STIMULATING HORMONE SECRETION AND NITRIC OXIDE RELEASE FROM PITUITARY CELLS OF EWE LAMBS IN VITRO. In JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY. ISSN 0867-5910, FEB 2014, vol. 65, no. 1, p. 145-151., WOS
- [1.1] WETTERAU, E. - STECHER, S.S. - WOLFF, B. - KHOURI, S. - STAUDT, A. - FELIX, S. B. - LANDSBERGER, M. Human endothelial lecithin-like oxLDL receptor-1 (LOX-1) expression is not associated with impairment of endothelium-dependent vasoreactivity in conduit vessels. In JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY. ISSN 0867-5910, 2013, vol. 64, no. 4, pp. 465., WOS
- [1.1] ZHANG, R. - RAN, H.H. - ZHANG, Y.X. - LIU, P. - LU, C.Y. - XU, Q. - HUANG, Y. FARNESOID X RECEPTOR REGULATES VASCULAR REACTIVITY THROUGH NITRIC OXIDE MECHANISM. In JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY. ISSN 0867-5910, AUG 2012, vol. 63, no. 4, p. 367-372., WOS
- [1.2] KUROKAWA, T.A.N.J. - TSUNEKAWA, K. - SHIMOMURA, Y. - KAZAMA, S. - ISHIKAWA, N. - NONAMI, T. - SUGIYAMA, S. Effect of L-arginine supplement on liver regeneration after partial hepatectomy in rats. In WORLD JOURNAL OF SURGICAL ONCOLOGY, 2012, vol. 10, art. no. 99., SCOPUS

- ADCA26 DANISOVA, A. - SCSUKOVÁ, Soňa - MATULOVA, L. - ORLICKÝ, Jozef - KOLENA, J. Role of calcium in luteinization stimulator-enhanced progesterone production of porcine granulosa cells. In *Physiological Research*, 1995, vol. 44, no. 3, p. 185-192. (0.318 - IF1994). (1995 - Current Contents). ISSN 0862-8408.

Ohlasy:

- [1.1] WRIGHT, Marietta F. - BOWDRIDGE, Elizabeth - MCDERMOTT, Erica L. - RICHARDSON, Samuel - SCHEIDLER, James - SYED, Qaisar - BUSH, Taylor - INSKEEP, E. Keith - FLORES, Jorge A. Mechanisms of Intracellular Calcium Homeostasis in Developing and Mature Bovine Corpora Lutea. In BIOLOGY OF REPRODUCTION. ISSN 0006-3363, 2014, vol. 90, no. 3, pp., WOS

- ADCA27 DESOUSA, N. - REIKEN, S. - ONDRIAŠ, Karol - YANG, Y. M. - MATKOVICH, S. - MARKS, A. R. Protein kinase A and two phosphatases are components of the inositol 1,4,5-trisphosphate receptor macromolecular signaling

complex. In *Journal of Biological Chemistry*, 2002, vol. 277, iss. 42, p. 39397-39400. (7.258 - IF2001). (2002 - Current Contents). ISSN 0021-9258.

Ohlasy:

[1.1] EL-HASSAR, Lynda - SIMEN, Arthur A. - DUQUE, Alvaro - PATEL, Kiran D. - KACZMAREK, Leonard K. - ARNSTEN, Amy F. T. - YECKEL, Mark F. Disrupted in Schizophrenia 1 Modulates Medial Prefrontal Cortex Pyramidal Neuron Activity Through cAMP Regulation of Transient Receptor Potential C and Small-Conductance K⁺ Channels. In *BIOLOGICAL PSYCHIATRY*. ISSN 0006-3223, 2014, vol. 76, no. 6, pp. 476., WOS

[1.1] FEDORENKO, Olena A. - POPUGAEVA, Elena - ENOMOTO, Masahiro - STATHOPOULOS, Peter B. - IKURA, Mitsuhiro - BEZPROZVANNY, Ilya. Intracellular calcium channels:

Inositol-1,4,5-trisphosphate receptors. In *EUROPEAN JOURNAL OF PHARMACOLOGY*. ISSN 0014-2999, 2014, vol. 739, no., pp. 39., WOS

[1.1] FREGEAU, Marc-Olivier - REGIMBALD-DUMAS, Yannik - GUILLEMETTE, Gaetan. Positive Regulation of Inositol 1,4,5-Trisphosphate-Induced Ca²⁺ Release by Mammalian Target of Rapamycin (mTOR) in RINm5F Cells. In *JOURNAL OF CELLULAR BIOCHEMISTRY*, 2011, vol.112, no.2, 723., WOS

[1.1] HOUSER, Steven R. Role of RyR2 Phosphorylation in Heart Failure and Arrhythmias: Protein Kinase A-Mediated Hyperphosphorylation of the Ryanodine Receptor at Serine 2808 Does Not Alter Cardiac. In *CIRCULATION RESEARCH*. ISSN 0009-7330, 2014, vol. 114, no. 8, pp. 1320., WOS

[1.1] ITO, Junya - KASHIWAZAKI, Naomi. Molecular mechanism of fertilization in the pig. In *ANIMAL SCIENCE JOURNAL*. ISSN 1344-3941, 2012, vol. 83, no. 10, pp. 669., WOS

[1.1] KIRCHHEFER, Uwe - HEINICK, Alexander - KOENIG, Simone - KRISTENSEN, Torsten - MUELLER, Frank U. - SEIDL, Matthias D. - BOKNIK, Peter. Protein Phosphatase 2A Is Regulated by Protein Kinase C alpha (PKC alpha)-dependent Phosphorylation of Its Targeting Subunit B56 alpha at Ser(41). In *JOURNAL OF BIOLOGICAL CHEMISTRY*. ISSN 0021-9258, 2014, vol. 289, no. 1, pp. 163., WOS

[1.1] LAM, Andy K. M. - GALIONE, Antony. The endoplasmic reticulum and junctional membrane communication during calcium signaling. In *BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH*. ISSN 0167-4889, 2013, vol. 1833, no. 11, pp. 2542., WOS

[1.1] LI, Dayu - JIAO, Jianwei - SHATOS, Marie A. - HODGES, Robin R. - DARTT, Darlene A. Effect of VIP on Intracellular [Ca²⁺], Extracellular Regulated Kinase 1/2, and Secretion in Cultured Rat Conjunctival Goblet Cells. In *INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE*. ISSN 0146-0404, 2013, vol. 54, no. 4, pp. 2872., WOS

[1.1] NORDMAN, Jacob C. - KABBANI, Nadine. Microtubule dynamics at the growth cone are mediated by alpha 7 nicotinic receptor activation of a G alpha q and IP3 receptor pathway. In *FASEB JOURNAL*. ISSN 0892-6638, 2014, vol. 28, no. 7, pp. 2995., WOS

[1.1] RATURI, Arun - SIMMEN, Thomas. Where the endoplasmic reticulum and the mitochondrion tie the knot: The mitochondria-associated membrane (MAM). In *BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH*. ISSN 0167-4889, 2013, vol. 1833, no. 1, pp. 213., WOS

[1.1] REITHER, Gregor - CHATTERJEE, Jayanta - BEULLENS, Monique -

BOLLEN, Mathieu - SCHULTZ, Carsten - KOEHN, Maja. Chemical Activators of Protein Phosphatase-1 Induce Calcium Release inside Intact Cells. In CHEMISTRY & BIOLOGY. ISSN 1074-5521, 2013, vol. 20, no. 9, pp. 1179., WOS

[1.1] SMAILI, S. S. - PEREIRA, G. J. S. - COSTA, M. M. - ROCHA, K. K. - RODRIGUES, L. - DO CARMO, L. G. - HIRATA, H. - HSU, Y.T. The Role of Calcium Stores in Apoptosis and Autophagy. In CURRENT MOLECULAR MEDICINE. ISSN 1566-5240, 2013, vol. 13, no. 2, pp. 252., WOS

[1.1] WAKAI, Takuya - VANDERHEYDEN, Veerle - YOON, Sook-Young - CHEON, Banyoon - ZHANG, Nan - PARYS, Jan B. - FISSORE, Rafael A. Regulation of inositol 1,4,5-trisphosphate receptor function during mouse oocyte maturation. In JOURNAL OF CELLULAR PHYSIOLOGY. ISSN 0021-9541, 2012, vol. 227, no. 2, pp. 705., WOS

[1.1] WAKAI, Takuya - VANDERHEYDEN, Veerle - FISSORE, Rafael A. Ca²⁺ Signaling During Mammalian Fertilization: Requirements, Players, and Adaptations. In COLD SPRING HARBOR PERSPECTIVES IN BIOLOGY, 2011, vol.3, no.4., WOS

[1.2] ITO, J. Regulation of calcium signaling during fertilization. In Journal of Mammalian Ova Research, 2012, 29, 4, pp. 146-154., SCOPUS

[1.2] MARIQUEO, Trinidad A. - MARIQUEO, Trinidad A. - AGURTO, Adolfo - MUÑOZ, Braulio - SAN MARTIN, Loreto - CORONADO, Cesar - FERNÁNDEZ-PÉREZ, Eduardo J. - MURATH, Pablo - SÁNCHEZ, Andrea - HOMANICS, Gregg E. - AGUAYO, Luis G. Effects of ethanol on glycinergic synaptic currents in mouse spinal cord neurons. In Journal of Neurophysiology. ISSN 00223077, 2014-01-01, 111, 10, pp. 1940-1948., SCOPUS

[1.2] MIKOSHIBA, K. The discovery and structural investigation of the IP 3 receptor and the associated IRBIT protein. In Advances in Experimental Medicine and Biology, 2012, 740, pp. 281-304., SCOPUS

ADCA28 DORK, T. - MACEK, M. - MEKUS, F. - TUMMLER, B. - TZOUNTZOURIS, J. - CASALS, T. - KREBSOVA, A. - KOUDOVA, M. - SAKMARYOVA, I. - MACEK, M. - VAVROVA, V. - ZEMKOVA, D. - GINTER, E. - PETROVA, N. V. - IVASCHENKO, T. - BARANOV, V. - WITT, M. - POGORZELSKI, A. - BAL, J. - ZEKANOWSKY, C. - WAGNER, K. - STUHRMANN, M. - BAUER, I. - SEYDEWITZ, H. H. - NEUMANN, T. - JAKUBICZKA, S. - KRAUS, C. - THAMM, B. - NECHIPORENKO, M. - LIVSHITS, L. - MOSSE, N. - TSUKERMAN, G. - KÁDAŠI, Ľudevít - RAVNIK-GLAVAC, M. - GLAVAC, D. - KOMEL, R. - VOUK, K. - KUCINSKAS, V. - KRUMINA, A. - TEDER, M. - KOICHEVA, S. - EFREMOV, G. D. - ONAY, T. - KIRDAR, B. - MALONE, G. - SCHWARZ, M. - ZHOU, Z. Q. - FRIEDMAN, K. J. - CARLES, S. - CLAUSTRES, M. - BOZON, D. - VERLINGUE, C. - FEREC, C. - TZETIS, M. - KANAVAKIS, E. - CUPPENS, H. - BOMBIERI, C. - PIGNATTI, P. F. - SANGIUOLO, F. - JORDANOVA, A. - KUSIC, J. - RADOJKOVIC, D. - SERTIC, J. - RICHTER, D. - RUKAVINA, A. S. - BJORCK, E. - STRANDVIK, B. - CARDOSO, H. - MONTGOMERY, M. - NAKIELNA, B. - HUGHES, D. - ESTIVILL, X. - AZNAREZ, I. - TULLIS, E. - TSUI, L. C. - ZIELENSKI, J. Characterization of a novel 21-kb deletion, CFTRdele2,3(21 kb), in the CFTR gene: a cystic fibrosis mutation of Slavic origin common in Central and East Europe. In *Human Genetics*, 2000, vol. 106, iss. 3, p. 259-268. ISSN 0340-6717.

Ohlasy:

- [1.1] ABOU TAYOUN, Ahmad N. - TUNKEY, Christopher D. - PUGH, Trevor J. - ROSS, Tristen - SHAH, Minita - LEE, Clarence C. - HARKINS, Timothy T. - WELLS, Wendy A. - TAFE, Laura J. - AMOS, Christopher I. - TSONGALIS, Gregory J. A Comprehensive Assay for CFTR Mutational Analysis Using Next-Generation Sequencing. In CLINICAL CHEMISTRY. ISSN 0009-9147, 2013, vol. 59, no. 10, pp. 1481., WOS
- [1.1] FRENTESCU, L. - BUDISAN, L. - BENGHA, G. THE PROFILE OF CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR GENE MUTATIONS IN PATIENTS FROM ROMANIA IN RELATIONSHIP WITH THE ETHNOGENESIS OF THE ROMANIAN PEOPLE. In ACTA ENDOCRINOLOGICA-BUCHAREST. ISSN 1841-0987, 2013, vol. 9, no. 3, pp. 349., WOS
- [1.1] HANDSCHICK, Melanie - HEDTFELD, Silke - TUEMMLER, Burkhard. Frequency of the hyperactive W493R ENaC variant in carriers of a CFTR mutation. In JOURNAL OF CYSTIC FIBROSIS. ISSN 1569-1993, 2012, vol. 11, no. 1, pp. 53., WOS
- [1.1] SACHDEVA, Kabir - SAXENA, Renu - PURI, Ratna - BIJARNIA, Sunita - KOHLI, Sudha - VERMA, Ishwar Chander. Mutation Analysis of the CFTR Gene in 225 Children: Identification of Five Novel Severe and Seven Reported Severe Mutations. In GENETIC TESTING AND MOLECULAR BIOMARKERS. ISSN 1945-0265, 2012, vol. 16, no. 7, pp. 798., WOS
- [1.1] SOBCZYNSKA-TOMASZEWSKA, Agnieszka - OLTARZEWSKI, Mariusz - CZERSKA, Kamila - WERTHEIM-TYSAROWSKA, Katarzyna - SANDS, Dorota - WALKOWIAK, Jaroslaw - BAL, Jerzy - MAZURCZAK, Tadeusz. Newborn screening for cystic fibrosis: Polish 4 years' experience with CFTR sequencing strategy. In EUROPEAN JOURNAL OF HUMAN GENETICS. ISSN 1018-4813, 2013, vol. 21, no. 4, pp. 391., WOS
- [1.1] TAULAN, Magali - VIART, Victoria - THEZE, Corinne - GUITTARD, Caroline - ALTIERI, Jean-Pierre - TEMPLIN, Carine - MELY, Laurent - CLAUSTRES, Mireille - DES GEORGES, Marie. Identification of a novel duplication CFTRdup2 and functional impact of large rearrangements identified in the CFTR gene. In GENE. ISSN 0378-1119, 2012, vol. 500, no. 2, pp. 194., WOS
- [1.1] ZIETKIEWICZ, Ewa - RUTKIEWICZ, Ewa - POGORZELSKI, Andrzej - KLIMEK, Barbara - VOELKEL, Katarzyna - WITT, Michal. CFTR Mutations Spectrum and the Efficiency of Molecular Diagnostics in Polish Cystic Fibrosis Patients. In PLOS ONE. ISSN 1932-6203, 2014, vol. 9, no. 2, pp., WOS
- [1.2] BALOGH, I. - KOCZOK, K. - SZABÓ, G.P. - TÖRÖK, O. - HADZSIEV, K. - CSÁBI, G. - BALOGH, L. - DZSUDZSÁK, E. - AJZNER, E. - SZABÓ, L. - CSÁKVÁRY, V. - OLÁH, A.V. Mutational spectrum of Smith-Lemli-Opitz syndrome patients in Hungary. In Molecular Syndromology, 2012, 3, 5, pp. 215-222., SCOPUS
- [1.2] DUNDAR, M. - UZAK, A.S. - ERDOGAN, M. - AKBAROVA, Y. Prediction, prevention and personalisation of medication for the prenatal period: Genetic prenatal tests for both rare and common diseases. In EPMA Journal, 2011, vol.2, no.2, 181-195., SCOPUS
- [1.2] IVADY, G. - MADAR, L. - NAGY, B. - GONCZI, F. - AJZNER, E. - DZSUDZSAK, E. - DVOŘÁKOVÁ, L. - GOMBOS, E. - KAPPELMAYER, J. - MACEK, M. - BALOGH, I. Distribution of CFTR mutations in Eastern

Hungarians: Relevance to genetic testing and to the introduction of newborn screening for cystic fibrosis. In *Journal of Cystic Fibrosis*, 2011, vol.10, no.3, 217-220., SCOPUS

[1.2] ROHLFS, E.M. - ZHOU, Z. - HEIM, R.A. - NAGAN, N. - ROSENBLUM, L.S. - FLYNN, K. - SCHOLL, T. - AKMAEV, V.R. - SIRKO-OSADSA, D.A. - ALLITTO, B.A. - SUGARMAN, E.A. Cystic fibrosis carrier testing in an ethnically diverse US population. In *Clinical Chemistry*, 2011, vol.57, no.6, 841-848., SCOPUS

[1.2] STROM, C.M. - CROSSLEY, B. - BULLER-BUERKLE, A. - JARVIS, M. - QUAN, F. - PENG, M. - MURALIDHARAN, K. - PRATT, V. - REDMAN, J.B. - SUN, W. Cystic fibrosis testing 8 years on: Lessons learned from carrier screening and sequencing analysis. In *Genetics in Medicine*, 2011, vol.13, no.2, 166-172., SCOPUS

ADCA29 DURA, Miroslav - ZÁHRADNÍK, Ivan - ZÁHRADNÍKOVÁ, Alexandra. Kinetics of cardiac RyR channel gating studied at high temporal resolution. In *Physiological Research*, 2003, vol. 52, issue 5, p. 571-578. (0.984 - IF2002). (2003 - Current Contents). ISSN 0862-8408.

Ohlasy:

[1.1] LV, Ting - ZHANG, Pu-Ming - GONG, Hai-Qing - LIANG, Pei-Ji. Caffeine-induced Ca²⁺ oscillations in type I horizontal cell of carp retina: A mathematical model. In *CHANNELS*. ISSN 1933-6950, 2014, vol. 8, no. 6, pp. 509., WOS

ADCA30 ESTIVILL, X. - BANCELLS, C. - RAMOS, C. - PIAZZA, A. - CARBONARA, A. - MASTELLA, G. - BONIZZATO, A. - CASTALDI, G. - DALCAMO, E. - FERRARI, M. - GASPARINI, P. - GUANTI, G. - LEONI, G. B. - PIGNATTI, P. F. - RONCHETTO, P. - SEIA, M. - TORRICELLI, F. - GOOSSENS, M. - CHEVALIERPORST, F. - BOZON, D. - SIMONBOUY, B. - FELDMANN, D. - ELION, J. - KAPLAN, J. C. - FEREC, C. - CLAUSTRES, M. - CLAVEL, C. - PUCHELLE, E. - LUNARDI, J. - MATHIEU, M. - SCHEFFER, H. - HALLEY, D. J. J. - OUWELAND, A. M. W. van den - TIJMENSEN, A. S. L. N. - CASALS, T. - GIMENEZ, F. J. - RAMOS, L. - BENEYTO, M. - BENITEZ, J. - PALACIO, A. - TUMMLER, B. - BAUER, I. - MEITINGER, T. - CLAASS, A. - LINDNER, M. - SCHRODER, E. - STUHRMANN, M. - CASSIMAN, J. - CUPPENS, H. - COCHAUX, P. - PONCIN, J. - MESSIAN, L. - BARANOV, V. S. - IVASCHENKO, T. E. - BAKAY, M. - BAL, J. - WITT, M. - KANAVAKIS, M. - TZETIS, M. - ANTONIADI, T. - LAVINHA, J. - PACHECO, P. - DUARTE, A. - LOUREIRO, P. - KALAYDJIEVA, L. - ANGELICHEVA, D. - JORDANOVA, A. - SAVOV, A. - EIKLID, K. - HOLMBERG, L. - SCHAEDEL, C. - OZGUC, M. - GOCMEN, A. - ERDERN, H. - LIECHTIGALLATI, S. - NEMETI, M. - FEKETE, G. - KLAASSEN, T. - SCHWARZ, M. - SCHWARTZ, M. - MACEK, M. - MACEK, M. - VAVROVA, V. - KEREM, B. - AVELIOVICH, D. - FERAK, V. - KÁDAŠI, Ľudevít - KAYSEROVA, H. - GLAVAC, D. - RAVNIKGLAVAC, M. - EFREMOV, G. D. - CANKIKLEIN, N. - KERE, J. Geographic distribution and regional origin of 272 cystic fibrosis in European populations. In *Human Mutation*, 1997, vol. 10, iss. 2, p. 135-154. ISSN 1059-7794.

Ohlasy:

[1.1] BAKER, Sarah E. - WONG, Eric C. - WHEATLEY, Courtney M. - FOXX-LUPO, William T. - MARTINEZ, Marina G. - MORGAN, Mary A. -

- SPRISSLER, Ryan - MORGAN, Wayne J. - SNYDER, Eric M. Genetic Variation of SCNN1A Influences Lung Diffusing Capacity in Cystic Fibrosis. In MEDICINE AND SCIENCE IN SPORTS AND EXERCISE. ISSN 0195-9131, 2012, vol. 44, no. 12, pp. 2315., WOS
- [1.1] CORDOVADO, S. K. - HENDRIX, M. - GREENE, C. N. - MOCHAL, S. - EARLEY, M. C. - FARRELL, P. M. - KHARRAZI, M. - HANNON, W. H. - MUELLER, P. W. CFTR mutation analysis and haplotype associations in CF patients. In MOLECULAR GENETICS AND METABOLISM. ISSN 1096-7192, 2012, vol. 105, no. 2, pp. 249., WOS
- [1.1] DOOKI, M.R.E. - AKHAVAN-NIAKI, H. - JUIBARY, A.G. Detecting Common CFTR Mutations by Reverse Dot Blot Hybridization Method in Cystic Fibrosis First Report from Northern Iran. In IRANIAN JOURNAL OF PEDIATRICS. ISSN 2008-2142, MAR 2011, vol. 21, no. 1, p. 51-57., WOS
- [1.1] FREDJ, S.H. - FATTOUM, S. - CHABCHOUB, A. - MESSAOUD, T. First report of cystic fibrosis mutations in Libyan cystic fibrosis patients. In ANNALS OF HUMAN BIOLOGY. ISSN 0301-4460, SEP 2011, vol. 38, no. 5, p. 561-563., WOS
- [1.1] FRENTESCU, L. - BUDISAN, L. - BENGHA, G. THE PROFILE OF CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR GENE MUTATIONS IN PATIENTS FROM ROMANIA IN RELATIONSHIP WITH THE ETHNOGENESIS OF THE ROMANIAN PEOPLE. In ACTA ENDOCRINOLOGICA-BUCHAREST. ISSN 1841-0987, 2013, vol. 9, no. 3, pp. 349., WOS
- [1.1] HAKKAK, Atieh Mehdizadeh - KERAMATIPOUR, Mohammad - TALEBI, Saeid - BROOK, Azam - AFSHARI, Jalil Tavakol - RAAZI, Amin - KIANIFAR, Hamid Reza. Analysis of CFTR Gene Mutations in Children with Cystic Fibrosis, First Report from North-East of Iran. In IRANIAN JOURNAL OF BASIC MEDICAL SCIENCES. ISSN 2008-3866, 2013, vol. 16, no. 8, pp. 917., WOS
- [1.1] KIZIL, Yusuf - ERGUN, Mehmet Ali - AYDIL, Utku - USLU, Sabri. CYSTIC FIBROSIS TRANSMEMBRANE CONDUCTANCE REGULATOR GENE MUTATIONS IN PATIENTS WITH MASSIVE NASAL POLYPOSIS. In NOBEL MEDICUS. ISSN 1305-2381, 2013, vol. 9, no. 1, pp. 17., WOS
- [1.1] POLIZZI, A. - TESSE, R. - SANTOSTASI, T. - DIANA, A. - MANCA, A. - LOGRILLO, V.P. - CAZZATO, M.D. - PANTALEO, M.G. - ARMENIO, L. Genotype-phenotype correlation in cystic fibrosis patients bearing [H939R;H949L] allele. In GENETICS AND MOLECULAR BIOLOGY. ISSN 1415-4757, 2011, vol. 34, no. 3, p. 416-420., WOS
- [1.1] SACHDEVA, Kabir - SAXENA, Renu - PURI, Ratna - BIJARNIA, Sunita - KOHLI, Sudha - VERMA, Ishwar Chander. Mutation Analysis of the CFTR Gene in 225 Children: Identification of Five Novel Severe and Seven Reported Severe Mutations. In GENETIC TESTING AND MOLECULAR BIOMARKERS. ISSN 1945-0265, 2012, vol. 16, no. 7, pp. 798., WOS
- [1.1] SANCHEZ, Karen - ARCIA, Orlando - MATUTE, Xiorama - MINCLIOLO, Luz - CHAUSTRE, Ismenia - TAKIFF, Howard. Frequency of common CFTR gene mutations in Venezuelan patients with cystic fibrosis. In INVESTIGACION CLINICA. ISSN 0535-5133, 2014, vol. 55, no. 1, pp. 44., WOS
- [1.1] THOMPSON, Elizabeth A. Identity by Descent: Variation in Meiosis, Across Genomes, and in Populations. In GENETICS. ISSN 0016-6731, 2013,

vol. 194, no. 2, pp. 301., WOS

[1.1] UMBARGER, Mark A. - KENNEDY, Caleb J. - SAUNDERS, Patrick - BRETON, Benjamin - CHENNAGIRI, Niru - EMHOFF, John - GREGER, Valerie - HALLAM, Stephanie - MAGANZINI, David - MICALÉ, Cynthia - NIZZARI, Marcia M. - TOWNE, Charles F. - CHURCH, George M. - PORRECA, Gregory J. Next-generation carrier screening. In GENETICS IN MEDICINE. ISSN 1098-3600, 2014, vol. 16, no. 2, pp. 132., WOS

[1.1] WEBER, K. - PAOLINI, M. - SCHMITZ, M. - FISCHER, R. - COPPENRATH, E. - HUBER, R. - REISER, M. - MUELLER-LISSE, U. G. Cystic Fibrosis in Adults: Short-Term and Long-Term Reproducibility of the Brody Score for Lung Morphology in Low-Dose MDCT Scans. In ROFO-FORTSCHRITTE AUF DEM GEBIET DER RONTGENSTRAHLEN UND DER BILDGEBENDEN VERFAHREN. ISSN 1438-9029, 2014, vol. 186, no. 1, pp. 54., WOS

[1.1] YU, Jianmin - CHEN, Zhanghui - NI, Ya - LI, Zhongxiang. CFTR mutations in men with congenital bilateral absence of the vas deferens (CBAVD): a systemic review and meta-analysis. In HUMAN REPRODUCTION. ISSN 0268-1161, 2012, vol. 27, no. 1, pp. 25., WOS

[1.1] ZIETKIEWICZ, Ewa - RUTKIEWICZ, Ewa - POGORZELSKI, Andrzej - KLIMEK, Barbara - VOELKEL, Katarzyna - WITT, Michal. CFTR Mutations Spectrum and the Efficiency of Molecular Diagnostics in Polish Cystic Fibrosis Patients. In PLOS ONE. ISSN 1932-6203, 2014, vol. 9, no. 2, pp., WOS

[1.2] SERMET-GAUDELUS, I. Ivacaftor treatment in patients with cystic fibrosis and the G551D-CFTR mutation. IN EUROPEAN RESPIRATORY REVIEW. ISSN 0905-9180, 2013, vol. 22, iss. 127, p. 66-71, SCOPUS

ADCA31 ETZLER, J. - PEYRL, A. - ZAŤKOVÁ, Andrea - SCHILDHAUS, H.U. - FICEK, Andrej - MERKELBACH-BRUSE, S. - KRATZ, C.P. - ATTARBASCHI, A. - HAIFELLNER, J.A. - YAO, S. - MESSIAEN, L. - SLAVC, I. - WIMMER, K. RNA-based mutation analysis identifies an unusual MSH6 splicing defect and circumvents PMS2 pseudogene interference. In *Human Mutation*, 2008, vol.29, issue 2, p. 299-305. (2008 - Current Contents). ISSN 1059-7794.

Ohlasy:

[1.1] BORRAS, Ester - PINEDA, Marta - CADINANOS, Juan - DEL VALLE, Jesus - BRIEGER, Angela - HINRICHSSEN, Inga - CABANILLAS, Ruben - NAVARRO, Matilde - BRUNET, Joan - SANJUAN, Xavier - MUSULEN, Eva - VAN DER KLIFT, Helen - LAZARO, Conxi - PLOTZ, Guido - BLANCO, Ignacio - CAPELLA, Gabriel. Refining the role of pms2 in Lynch syndrome: germline mutational analysis improved by comprehensive assessment of variants. In JOURNAL OF MEDICAL GENETICS. ISSN 0022-2593, 2013, vol. 50, no. 8, pp. 552., WOS

[1.1] HERKERT, Johanna C. - NIESSEN, Renee C. - OLDERODE-BERENDS, Maria J. W. - VEENSTRA-KNOL, Hermine E. - VOS, Yvonne J. - VAN DER KLIFT, Heleen M. - SCHEENSTRA, Rene - TOPS, Carli M. J. - KARRENBELD, Arend - PETERS, Frans T. M. - HOFSTRA, Robert M. W. - KLEIBEUKER, Jan H. - SIJMONS, Rolf H. Paediatric intestinal cancer and polyposis due to bi-allelic PMS2 mutations: Case series, review and follow-up guidelines. In EUROPEAN JOURNAL OF CANCER, 2011, vol.47, no.7, 965., WOS

[1.1] ILENCIKOVA, Denisa - SEJNOVA, Daniela - JINDROVA, Jana -

BABAL, Pavel. High-Grade Brain Tumors in Siblings With Biallelic MSH6 Mutations. In PEDIATRIC BLOOD & CANCER, 2011, vol.57, no.6, 1067., WOS

[1.1] JOHANNESMA, P. C. - VAN DER KLIFT, H. M. - VAN GRIEKEN, N. C. T. - TROOST, D. - TE RIELE, H. - JACOBS, M. A. J. M. - POSTMA, T. J. - HEIDEMAN, D. A. M. - TOPS, C. M. J. - WIJNEN, J. T. - MENKO, F. H. Childhood brain tumours due to germline bi-allelic mismatch repair gene mutations. In CLINICAL GENETICS, 2011, vol.80, no.3, 243., WOS

[1.1] LEENEN, C. H. M. - GEURTS-GIELE, W. R. R. - DUBBINK, H. J. - REDDINGIUS, R. - VAN DEN OUWELAND, A. M. - TOPS, C. M. J. - VAN DE KLIFT, H. M. - KUIPERS, E. J. - VAN LEERDAM, M. E. - DINJENS, W. N. M. - WAGNER, A. Pitfalls in molecular analysis for mismatch repair deficiency in a family with biallelic pms2 germline mutations. In CLINICAL GENETICS, 2011, vol.80, no.6, 558., WOS

[1.1] POLISENO, Laura. Pseudogenes: Newly Discovered Players in Human Cancer. In SCIENCE SIGNALING. ISSN 1937-9145, 2012, vol. 5, no. 242, pp., WOS

[1.1] RAHNER, Nils - STEINKE, Verena - SCHLEGELBERGER, Brigitte - EISINGER, Francois - HUTTER, Pierre - OLSCHWANG, Sylviane. Clinical utility gene card for: Lynch syndrome (MLH1, MSH2, MSH6, PMS2, EPCAM) update 2012. In EUROPEAN JOURNAL OF HUMAN GENETICS. ISSN 1018-4813, 2013, vol. 21, no. 1, pp., WOS

[1.1] VREESWIJK, Maaïke P. G. - VAN DER KLIFT, Heleen M. - AARTSMARUS, A. Analysis and Interpretation of RNA Splicing Alterations in Genes Involved in Genetic Disorders. In EXON SKIPPING: METHODS AND PROTOCOLS. ISSN 1064-3745, 2012, vol. 867, no., pp. 49., WOS

ADCA32 FAUTH, Christine - KEHRER-SAWATZKI, Hildegard - ZATKOVÁ, Andrea - MACHHERNDL-SPANDL, Sigrid - MESSIAEN, Ludwine - AMANN, Gabriele - HAINFELLNER, Johann A. - WIMMER, Katharina. Two sporadic spinal neurofibromatosis patients with malignant peripheral nerve sheath tumour. In *European Journal of Medical Genetics*, 2009, vol. 7, p. 409-414. (1.782 - IF2008). (2009 - Current Contents). ISSN 1769-7212.

Ohlasy:

[1.1] NICITA, Francesco - TORRENTE, Isabella - SPALICE, Alberto - BOTTILLO, Irene - PAPETTI, Laura - PINNA, Valentina - URSITTI, Fabiana - RUGGIERI, Martino. Spinal neurofibromatosis in a family with classical neurofibromatosis type 1 and a novel NF1 gene mutation. In JOURNAL OF CLINICAL NEUROSCIENCE. ISSN 0967-5868, 2014, vol. 21, no. 2, pp. 328., WOS

[1.1] PASCUAL-CASTROVIEJO, Ignacio - PASCUAL-PASCUAL, Samuel-Ignacio - VIANO, Juan - VELAZQUEZ-FRAGUA, Ramon - LOPEZ-GUTIERREZ, Juan-Carlos. Bilateral spinal neurofibromas in patients with neurofibromatosis 1. In BRAIN & DEVELOPMENT. ISSN 0387-7604, 2012, vol. 34, no. 7, pp. 563., WOS

ADCA33 FIALA, R. - SULOVIĆ, Zdena - EL-SAGGAN, A.H. - UHRÍK, Branislav - LIPTAJ, T. - DOVINOVIĆ, 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] 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

[1.1] ZHANG, Z.H. - ZHAO, Y.F. - JIANG, L.L. - MIAO, X.Y. - ZHOU, H.M. - JIA, L. Glycomic alterations are associated with multidrug resistance in human leukemia. In INTERNATIONAL JOURNAL OF BIOCHEMISTRY & CELL BIOLOGY. ISSN 1357-2725, AUG 2012, vol. 44, no. 8, p. 1244-1253., WOS

ADCA34 FIALOVÁ, K. - KRIŽANOVÁ, Oľga - JARKOVSKY, E. - NOVÁKOVÁ, Mária. Apparent desensitization of the effects of sigma receptor ligand haloperidol in isolated rat and Guinea pig hearts after chronic treatment. In *Canadian Journal of Physiology and Pharmacology*, 2009, vol. 87, p. 1-9. (1.763 - IF2008). (2009 - Current Contents). ISSN 0008-4212.

Ohlasy:

[1.1] BHUIYAN, M. D. Shenuarin - FUKUNAGA, Kohji. Targeting sigma-1 receptor signaling by endogenous ligands for cardioprotection. In EXPERT OPINION ON THERAPEUTIC TARGETS, 2011, vol.15, no.2, 145-155., WOS

[1.1] SEREDENIN, S. B. - TSORIN, I. B. - VITITNOVA, M. B. - STOLYARUK, V. N. - CHICHKANOV, G. G. - KRYZHANOVSKII, S. A. On the Mechanism of Anti-Ischemic Effects of Afobazole. In BULLETIN OF EXPERIMENTAL BIOLOGY AND MEDICINE. ISSN 0007-4888, 2013, vol. 155, no. 6, pp. 760., WOS

[1.1] TAGASHIRA, Hideaki - FUKUNAGA, Kohji. Cardioprotective Effect of Fluvoxamine, Sigma-1 Receptor High Affinity Agonist. In YAKUGAKU ZASSHI-JOURNAL OF THE PHARMACEUTICAL SOCIETY OF JAPAN. ISSN 0031-6903, 2012, vol. 132, no. 2, pp. 167., WOS

ADCA35 FILL, Michael - ZAHRADNÍKOVÁ, Alexandra - VILLALBA - GALEA, C.A. - ZAHRADNÍK, Ivan - ESCOBAR, A.L. - GYORKE, S. Ryanodine receptor adaptation. In *Journal of General Physiology*, 2000, vol. 116, iss. 6, p. 873-882. ISSN 0022-1295.

Ohlasy:

[1.1] BERS, Donald M. - JULIUS, D. Cardiac Sarcoplasmic Reticulum Calcium Leak: Basis and Roles in Cardiac Dysfunction. In ANNUAL REVIEW OF PHYSIOLOGY, VOL 76. ISSN 0066-4278, 2014, vol. 76, no., pp. 107., WOS

[1.1] FENG, Xing - LI, Jing - LIU, Jinyu - JIN, Minghua - LIU, Xiaomei - DU, Haiying - ZHANG, Long - SUN, Zhiwei - LI, Xiaoguang. Protective Effect of FK506 on Myocardial Ischemia/Reperfusion Injury by Suppression of CaN and ASK1 Signaling Circuitry. In CARDIOVASCULAR TOXICOLOGY, 2011, vol.11, no.1, 18., WOS

[1.1] JIA, Chen - QIAN, Minping - JIANG, Daquan. Overshoot in biological systems modelled by Markov chains: a non-equilibrium dynamic phenomenon. In IET SYSTEMS BIOLOGY. ISSN 1751-8849, 2014, vol. 8, no. 4, pp. 138., WOS

- [1.1] SIEKMANN, Ivo - SNEYD, James - CRAMPIN, Edmund J. Statistical analysis of modal gating in ion channels. In PROCEEDINGS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-5021, 2014, vol. 470, no. 2166, pp., WOS
- [1.2] CANNELL, M.B. - KONG, C.H.T. Local control in cardiac E-C coupling. In Journal of Molecular and Cellular Cardiology, 2012, 52, 2, pp. 298-303., SCOPUS

ADCA36 GABURJÁKOVÁ, Jana - GABURJÁKOVÁ, Marta. Comparison of the effects exerted by luminal Ca²⁺ on the sensitivity of the cardiac ryanodine receptor to caffeine and cytosolic Ca²⁺. In *Journal of Membrane Biology*, 2006, vol. 212, iss. 1, p. 17-28. ISSN 0022-2631.

Ohlasy:

- [1.1] DIAZ-SYLVESTER, Paula L. - PORTA, Maura - COPELLO, Julio A. Modulation of Cardiac Ryanodine Receptor Channels by Alkaline Earth Cations. In PLOS ONE, 2011, vol.6, no.10., WOS
- [1.1] FALTINOVA, Andrea - ZAHRADNIKOVA, Alexandra. Modification of Cardiac Ryanodine Receptor Gating by a Peptide from the Central Domain of the RyR2. In BIOPHYSICAL JOURNAL. ISSN 0006-3495, 2014, vol. 106, no. 2, pp. 123A., WOS
- [1.1] FALTINOVA, Andrea - ZAHRADNIKOVA, Alexandra. Modification of cardiac RYR2 gating by a peptide from the central domain of the RYR2. In CENTRAL EUROPEAN JOURNAL OF BIOLOGY. ISSN 1895-104X, 2013, vol. 8, no. 12, pp. 1164., WOS
- [1.1] CHEN, Fangping - HADFIELD, Jessalyn M. - BERZINGI, Chalak - HOLLANDER, John M. - MILLER, Diane B. - NICHOLS, Cody E. - FINKEL, Mitchell S. N-acetylcysteine reverses cardiac myocyte dysfunction in a rodent model of behavioral stress. In JOURNAL OF APPLIED PHYSIOLOGY. ISSN 8750-7587, 2013, vol. 115, no. 4, pp. 514., WOS
- [1.1] JANICEK, Radoslav - ZAHRADNIKOVA, Alexandra - POLAKOVA, Eva - PAVELKOVA, Jana - ZAHRADNIK, Ivan - ZAHRADNIKOVA, Alexandra. Calcium spike variability in cardiac myocytes results from activation of small cohorts of ryanodine receptor 2 channels. In JOURNAL OF PHYSIOLOGY-LONDON. ISSN 0022-3751, 2012, vol. 590, no. 20, pp. 5091., WOS
- [1.1] PORTA, Maura - ZIMA, Aleksey V. - NANI, Alma - DIAZ-SYLVESTER, Paula L. - COPELLO, Julio A. - RAMOS-FRANCO, Josefina - BLATTER, Lothar A. - FILL, Michael. Single Ryanodine Receptor Channel Basis of Caffeine's Action on Ca²⁺ Sparks. In BIOPHYSICAL JOURNAL, 2011, vol.100, no.4, 931., WOS
- [1.1] THOMAS, N.L. - WILLIAMS, A.J. Pharmacology of ryanodine receptors and Ca²⁺-induced Ca²⁺ release. WILEY INTERDISCIPLINARY REVIEWS: MEMBRANE TRANSPORT AND SIGNALING. 2012. Vol.1, p. 383-397, WOS
- [1.1] WRZOSEK, Antoni - TOMASKOVA, Zuzana - ONDRIAS, Karol - LUKASIAK, Agnieszka - SZEWCZYK, Adam. The potassium channel opener CGS7184 activates Ca²⁺ release from the endoplasmic reticulum. In EUROPEAN JOURNAL OF PHARMACOLOGY. ISSN 0014-2999, 2012, vol. 690, no. 1-3, pp. 60., WOS

ADCA37 GABURJÁKOVÁ, Jana - GABURJÁKOVÁ, Marta. Coupled gating modifies the regulation of cardiac ryanodine receptors by luminal Ca²⁺. In *Biochimica et Biophysica Acta : Biomembranes*, 2014, vol. 1838, iss. 3, p. 867-873. (3.431 - IF2013). (2014 - Current Contents). ISSN 0005-2736. VEGA 2/0102/12, 2/033/11.

Ohlasy:

[1.1] POHANKA, Miroslav. The Effects of Caffeine on the Cholinergic System. In *MINI-REVIEWS IN MEDICINAL CHEMISTRY*. ISSN 1389-5575, 2014, vol. 14, no. 6, pp. 543., WOS

ADCA38 GABURJÁKOVÁ, Jana - GABURJÁKOVÁ, Marta. Identification of Changes in the Functional Profile of the Cardiac Ryanodine Receptor Caused by the Coupled Gating Phenomenon. In *Journal of Membrane Biology*, 2010, vol. 234, iss. 3, p. 159-169. (2.189 - IF2009). (2010 - Current Contents). ISSN 0022-2631.

Ohlasy:

[1.1] GILLESPIE, Dirk - FILL, Michael. Pernicious attrition and inter-RyR2 CICR current control in cardiac muscle. In *JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY*. ISSN 0022-2828, 2013, vol. 58, no., pp. 53., WOS

[1.1] PORTA, Maura - DIAZ-SYLVESTER, Paula L. - NEUMANN, Jake T. - ESCOBAR, Ariel L. - FLEISCHER, Sidney - COPELLO, Julio A. Coupled gating of skeletal muscle ryanodine receptors is modulated by Ca²⁺, Mg²⁺, and ATP. In *AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY*. ISSN 0363-6143, 2012, vol. 303, no. 6, pp. C682., WOS

ADCA39 GABURJÁKOVÁ, Marta - GABURJÁKOVÁ, Jana - REIKEN, Steven - HUANG, Fannie - MARX, Steven O. - RESEMBLIT, Nora - MARKS, Andrew R. FKBP12 binding modulates ryanodine receptor channel gating. In *Journal of Biological Chemistry*, 2001, vol. 276, iss. 20, p. 16931-16935. (7.368 - IF2000). (2001 - Current Contents). ISSN 0021-9258.

Ohlasy:

[1.1] BLAYNEY, Lynda - BECK, Konrad - MACDONALD, Ewan - D&APOS;CRUZ, Leon - NOMIKOS, Michail - GRIFFITHS, Julia - THANASSOULAS, Angelos - NOUNESIS, George - LAI, F. Anthony. ATP interacts with the CPVT mutation-associated central domain of the cardiac ryanodine receptor. In *BIOCHIMICA ET BIOPHYSICA ACTA-GENERAL SUBJECTS*. ISSN 0304-4165, 2013, vol. 1830, no. 10, pp. 4426., WOS

[1.1] GIRGENRATH, Tanya - MAHALINGAM, Mohana - SVENSSON, Bengt - NITU, Florentin R. - CORNEA, Razvan L. - FESSENDEN, James D. N-terminal and Central Segments of the Type 1 Ryanodine Receptor Mediate Its Interaction with FK506-binding Proteins. In *JOURNAL OF BIOLOGICAL CHEMISTRY*. ISSN 0021-9258, 2013, vol. 288, no. 22, pp. 16073., WOS

[1.1] GUERRERO-HERNANDEZ, Agustin - AVILA, Guillermo - RUEDA, Angelica. Ryanodine receptors as leak channels. In *EUROPEAN JOURNAL OF PHARMACOLOGY*. ISSN 0014-2999, 2014, vol. 739, no., pp. 26., WOS

[1.1] HOUSER, Steven R. Role of RyR2 Phosphorylation in Heart Failure and Arrhythmias: Protein Kinase A-Mediated Hyperphosphorylation of the Ryanodine Receptor at Serine 2808 Does Not Alter Cardiac. In *CIRCULATION RESEARCH*. ISSN 0009-7330, 2014, vol. 114, no. 8, pp. 1320., WOS

[1.1] HWANG, Jean H. - ZORZATO, Francesco - CLARKE, Nigel F. - TREVES, Susan. Mapping domains and mutations on the skeletal muscle

ryanodine receptor channel. In TRENDS IN MOLECULAR MEDICINE. ISSN 1471-4914, 2012, vol. 18, no. 11, pp. 644., WOS

[1.1] IKURA, Teikichi - ITO, Nobutoshi. Peptidyl-prolyl isomerase activity of FK506 binding protein 12 prevents tau peptide from aggregating. In PROTEIN ENGINEERING DESIGN & SELECTION. ISSN 1741-0126, 2013, vol. 26, no. 9, pp. 539., WOS

[1.1] LADANI, Safieh Tork - HAMELBERG, Donald. Intricacies of interactions, dynamics and solvent effects in enzyme catalysis: a computational perspective on cyclophilin A. In MOLECULAR SIMULATION. ISSN 0892-7022, 2014, vol. 40, no. 10-11, pp. 765., WOS

[1.1] LADANI, Safieh Tork - HAMELBERG, Donald. Entropic and Surprisingly Small Intramolecular Polarization Effects in the Mechanism of Cyclophilin A. In JOURNAL OF PHYSICAL CHEMISTRY B. ISSN 1520-6106, 2012, vol. 116, no. 35, pp. 10771., WOS

[1.1] LI, Bai-Yan - CHEN, Hanying - MARUYAMA, Mitsunori - ZHANG, Wenjun - ZHANG, Jin - PAN, Zhen-Wei - RUBART, Michael - CHEN, Peng-Sheng - SHOU, Weinian. The Role of FK506-Binding Proteins 12 and 12.6 in Regulating Cardiac Function. In PEDIATRIC CARDIOLOGY. ISSN 0172-0643, 2012, vol. 33, no. 6, pp. 988., WOS

[1.1] MACMILLAN, Debbi. FK506 binding proteins: Cellular regulators of intracellular Ca²⁺ signalling. In EUROPEAN JOURNAL OF PHARMACOLOGY. ISSN 0014-2999, 2013, vol. 700, no. 1-3, pp. 181., WOS

[1.1] QIU, Yu - ZHAO, Wei - WANG, Yan - XU, Jian-Rong - HUIE, Eddie - JIANG, Shan - YAN, Ying-Hui - LOH, Horace H. - CHEN, Hong-Zhuan - LAW, Ping-Yee. FK506-Binding Protein 12 Modulates mu-Opioid Receptor Phosphorylation and Protein Kinase C epsilon-Dependent Signaling by Its Direct Interaction with the Receptor. In MOLECULAR PHARMACOLOGY. ISSN 0026-895X, 2014, vol. 85, no. 1, pp. 37., WOS

[1.1] SONG, Dong Woo - LEE, Jung-Gyu - YOUN, Hyung-Seop - EOM, Soo Hyun - KIM, Do Han. Ryanodine receptor assembly: A novel systems biology approach to 3D mapping. In PROGRESS IN BIOPHYSICS & MOLECULAR BIOLOGY, 2011, vol.105, no.3, 145., WOS

[1.1] SUN, Qi-An - WANG, Benlian - MIYAGI, Masaru - HESS, Douglas T. - STAMLER, Jonathan S. Oxygen-coupled Redox Regulation of the Skeletal Muscle Ryanodine Receptor/Ca²⁺ Release Channel (RyR1) SITES AND NATURE OF OXIDATIVE MODIFICATION. In JOURNAL OF BIOLOGICAL CHEMISTRY. ISSN 0021-9258, 2013, vol. 288, no. 32, pp. 22961., WOS

[1.1] VERVLIET, Tim - DECROCK, Elke - MOLGO, Jordi - SORRENTINO, Vincenzo - MISSIAEN, Ludwig - LEYBAERT, Luc - DE SMEDT, Humbert - KASRI, Nael Nadif - PARYS, Jan B. - BULTYNCK, Geert. Bcl-2 binds to and inhibits ryanodine receptors. In JOURNAL OF CELL SCIENCE. ISSN 0021-9533, 2014, vol. 127, no. 12, pp. 2782., WOS

[1.1] WEN, He - KANG, Sunmi - SONG, Youngmin - SONG, Yonghyun - YANG, Hye-ji - KIM, Mi-Hyun - PARK, Sunghyoun. Characterization of the binding sites for the interactions between FKBP12 and intracellular calcium release channels. In ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS. ISSN 0003-9861, 2012, vol. 517, no. 1, pp. 37., WOS

[1.1] ZHU, Li - ZHONG, Xiaowei - CHEN, S. R. Wayne - BANAVALI, Nilesh - LIU, Zheng. Modeling a Ryanodine Receptor N-terminal Domain

Connecting the Central Vestibule and the Corner Clamp Region. In JOURNAL OF BIOLOGICAL CHEMISTRY. ISSN 0021-9258, 2013, vol. 288, no. 2, pp. 903., WOS

[1.1] ZISSIMOPOULOS, Spyros - SEIFAN, Sara - MAXWELL, Chloe - WILLIAMS, Alan J. - LAI, F. Anthony. Disparities in the association of the ryanodine receptor and the FK506-binding proteins in mammalian heart. In JOURNAL OF CELL SCIENCE. ISSN 0021-9533, 2012, vol. 125, no. 7, pp. 1759., WOS

[1.2] BIAGI, D.G. - MILL, J.G. - MANSUR, A.J. - KRIEGER, J.E. - PEREIRA, A.C. A negative screen for mutations in calstabin 1 and 2 genes in patients with dilated cardiomyopathy. In Journal of Negative Results in BioMedicine, 2012, 11, 1, pp., SCOPUS

[1.2] CAPES, E.M. - LOAIZA, R. - VALDIVIA, H.H. Ryanodine receptors. In Skeletal Muscle, 2011, vol.1, no.1., SCOPUS

[1.2] DENIZ DINCER, U. Cardiac ryanodine receptor in metabolic syndrome: Is JTV519 (K201) future therapy? In Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy, 2012, 5, pp. 89-99., SCOPUS

[1.2] SECONDO, Agnese. RY-1 ryanodine receptor. In xPharm: The Comprehensive Pharmacology Reference, 2011-12-01, pp. 1-13., SCOPUS

ADCA40 GABURJÁKOVÁ, Marta - NARESH C., Bal - GABURJÁKOVÁ, Jana - PERIASAMY, M. Functional interaction between calsequestrin and ryanodine receptor in the heart. In *Cellular and Molecular Life Sciences*, 2013, vol. 70, no. 16, p.2935-2945. (5.615 - IF2012). (2013 - Current Contents). ISSN 1420-682X. VEGA 2/0102/12, 2/0033/11; grant R01 HL64014; fellowships (10POST3360007).

Ohlasy:

[1.2] CHEN, Haiyan - VALLE, Giorgia - FURLAN, Sandra - NANI, Alma - GYORKE, Sandor - FILL, Michael - VOLPE, Pompeo. Mechanism of calsequestrin regulation of single cardiac ryanodine receptor in normal and pathological conditions. In Journal of General Physiology. ISSN 00221295, 2013-09-05, 142, 2, pp. 127-136., SCOPUS

[1.2] SCRIVEN, David R L - ASGHARI, Parisa - MOORE, Edwin D W. Microarchitecture of the dyad. In Cardiovascular Research. ISSN 00086363, 2013-05-01, 98, 2, pp. 169-176., SCOPUS

ADCA41 GÉCZ, Jozef - OOSTRA, B.A. - HOCKEY, A. - CARBONELL, P. - TURNER, G. - HAAN, E. A. - SUTHERLAND, G.R. - MULLEY, J.C. FMR2 expression in families with FRAXE mental retardation. In *Human Molecular Genetics*. ISSN 0964-6906.

Ohlasy:

[1.1] BARDONI, Barbara - ABEKHOUKH, Sabiha - ZONGARO, Samantha - MELKO, Mireille - DIERSEN, M - DELATORRE, R. Intellectual disabilities, neuronal posttranscriptional RNA metabolism, and RNA-binding proteins: three actors for a complex scenario. In DOWN SYNDROME: FROM UNDERSTANDING THE NEUROBIOLOGY TO THERAPY. ISSN 0079-6123, 2012, vol. 197, no., pp. 29., WOS

[1.1] DA ROCHA, Naiara Braz - COSTA DOS SANTOS, Pollyanna Almeida - NETTO SAFATLE, Heloisa Pires - DE MELO, Reneide Maria - PEREIRA, Rinaldo Wellerson - DE OLIVEIRA, Silviene Fabiana - PIC-TAYLOR, Aline - FERRARI, Iris - MAZZEU, Juliana Forte. Partial AFF2

Microduplication in A Patient With Auditory Processing Disorder, Emotional Impairment and Macrosomia. In AMERICAN JOURNAL OF MEDICAL GENETICS PART A. ISSN 1552-4825, 2014, vol. 164, no. 12, pp. 3206., WOS
 [1.1] HE, F. - TODD, P.K. Epigenetics in Nucleotide Repeat Expansion Disorders. In SEMINARS IN NEUROLOGY. 2011, Vol. 31, no. 5, p. 470-483, WOS
 [1.1] SAHOO, T. - THEISEN, A. - MARBLE, M. - TERVO, R. - ROSENFELD, J.A. - TORCHIA, B.S. - SHAFFER, L.G. Microdeletion of Xq28 involving the AFF2 (FMR2) gene in two unrelated males with developmental delay. IN AMERICAN JOURNAL OF MEDICAL GENETICS PART A. 2011, Vol. 155A, no. 12, p. 3110-3115., WOS

ADCA42 GÉCZ, Jozef - GEDEON, A.K. - SUTHERLAND, G.R. - MULLEY, J.C. Identification of the gene FMR2, associated with FRAXE mental retardation. In *Nature Genetics*, 1996, vol.13, no. 1, p.105-108. ISSN 1061-4036.

Ohlasy:

[1.1] BARDONI, Barbara - ABEKHOUKH, Sabiha - ZONGARO, Samantha - MELKO, Mireille - DIERSEN, M - DELATORRE, R. Intellectual disabilities, neuronal posttranscriptional RNA metabolism, and RNA-binding proteins: three actors for a complex scenario. In DOWN SYNDROME: FROM UNDERSTANDING THE NEUROBIOLOGY TO THERAPY. ISSN 0079-6123, 2012, vol. 197, no., pp. 29., WOS
 [1.1] COOPER, A.J.L. - BLASS, J.P. Trinucleotide-Expansion Diseases. In NEUROCHEMICAL MECHANISMS IN DISEASE. ISSN 2190-5215, 2011, vol. 1, p. 319-358., WOS
 [1.1] DA ROCHA, Naiara Braz - COSTA DOS SANTOS, Pollyanna Almeida - NETTO SAFATLE, Heloisa Pires - DE MELO, Reneide Maria - PEREIRA, Rinaldo Wellerson - DE OLIVEIRA, Silviene Fabiana - PIC-TAYLOR, Aline - FERRARI, Iris - MAZZEU, Juliana Forte. Partial AFF2 Microduplication in A Patient With Auditory Processing Disorder, Emotional Impairment and Macrosomia. In AMERICAN JOURNAL OF MEDICAL GENETICS PART A. ISSN 1552-4825, 2014, vol. 164, no. 12, pp. 3206., WOS
 [1.1] DISTEFANO, Ginnene M. - GANGEMI, Andrew J. - KHANDELWAL, Preeti J. - SAUNDERS, Aleister J. - MARENDA, Daniel R. Drosophila lilliputian is required for proneural gene expression in retinal development. In DEVELOPMENTAL DYNAMICS. ISSN 1058-8388, 2012, vol. 241, no. 3, pp. 553., WOS
 [1.1] GRAEFF, J. - KIM, D. - DOBBIN, M.M. - TSAI, L.H. Epigenetic Regulation of Gene Expression in Physiological and Pathological Brain Processes. In PHYSIOLOGICAL REVIEWS. ISSN 0031-9333, APR 2011, vol. 91, no. 2, p. 603-649., WOS
 [1.1] IRAOLA-GUZMAN, S. - ESTIVILL, X. - RABIONET, R. DNA methylation in neurodegenerative disorders: a missing link between genome and environment?. In CLINICAL GENETICS. ISSN 0009-9163, JUL 2011, vol. 80, no. 1, p. 1-14., WOS
 [1.1] JIANG, Yong-hui - YUEN, Ryan K. C. - WANG, Mingbang - JIN, Xin - CHEN, Nong - WU, Xueli - JU, Jia - MEI, Junpu - SHI, Yujian - HE, Mingze - WANG, Guangbiao - LIANG, Jieqin - WANG, Zhe - CAO, Dandan - CARTER, Melissa T. - CHRYSLER, Christina - DRMIC, Irene E. - HOWE, Jennifer L. - LAU, Lynette - MARSHALL, Christian R. - MERICO, Daniele -

NALPATHAMKALAM, Thomas - THIRUVAHINDRAPURAM, Bhooma - THOMPSON, Ann - UDDIN, Mohammed - WALKER, Susan - LUO, Jun - ANAGNOSTOU, Evdokia - ZWAIGENBAUM, Lonnie - RING, Robert H. - WANG, Jian - LAJONCHERE, Clara - WANG, Jun - SHIH, Andy - SZATMARI, Peter - YANG, Huanming - DAWSON, Geraldine - LI, Yingrui - SCHERER, Stephen W. Detection of Clinically Relevant Genetic Variants in Autism Spectrum Disorder by Whole-Genome Sequencing. In AMERICAN JOURNAL OF HUMAN GENETICS. ISSN 0002-9297, 2013, vol. 93, no. 2, pp. 249., WOS

[1.1] LUO, Zhuojuan - LIN, Chengqi - GUEST, Erin - GARRETT, Alexander S. - MOHAGHEGH, Nima - SWANSON, Selene - MARSHALL, Stacy - FLORENS, Laurence - WASHBURN, Michael P. - SHILATIFARD, Ali. The Super Elongation Complex Family of RNA Polymerase II Elongation Factors: Gene Target Specificity and Transcriptional Output. In MOLECULAR AND CELLULAR BIOLOGY. ISSN 0270-7306, 2012, vol. 32, no. 13, pp. 2608., WOS

[1.1] MONDAL, Kajari - RAMACHANDRAN, Dhanya - PATEL, Viren C. - HAGEN, Katie R. - BOSE, Promita - CUTLER, David J. - ZWICK, Michael E. Excess variants in AFF2 detected by massively parallel sequencing of males with autism spectrum disorder. In HUMAN MOLECULAR GENETICS. ISSN 0964-6906, 2012, vol. 21, no. 19, pp. 4356., WOS

[1.1] RUDENKO, A. - TSAI, L-H. EPIGENETIC REGULATION IN MEMORY AND COGNITIVE DISORDERS. In NEUROSCIENCE. ISSN 0306-4522, 2014, vol. 264, no., pp. 51., WOS

[1.1] SAAB, Bechara J. - MANSUY, Isabelle M. - PARRIZAS, M - GASA, R - KALIMAN, P. Epigenetics of Memory: Evidence and Models. In EPIGENETICS OF LIFESTYLE, 2012, vol., no., pp. 36., WOS

[1.1] SAHOO, T. - THEISEN, A. - MARBLE, M. - TERVO, R. - ROSENFELD, J.A. - TORCHIA, B.S. - SHAFFER, L.G. Microdeletion of Xq28 involving the AFF2 (FMR2) gene in two unrelated males with developmental delay. In AMERICAN JOURNAL OF MEDICAL GENETICS PART A. ISSN 1552-4825, DEC 2011, vol. 155A, no. 12, p. 3110-3115., WOS

[1.1] SMITH, E. - LIN, C.Q. - SHILATIFARD, A. The super elongation complex (SEC) and MLL in development and disease. In GENES & DEVELOPMENT. ISSN 0890-9369, APR 1 2011, vol. 25, no. 7, p. 661-672., WOS

[1.1] STETTNER, G.M. - SHOUKIER, M. - HOGER, C. - BROCKMANN, K. - AUBER, B. Familial Intellectual Disability and Autistic Behavior Caused by a Small FMR2 Gene Deletion. In AMERICAN JOURNAL OF MEDICAL GENETICS PART A. ISSN 1552-4825, AUG 2011, vol. 155A, no. 8, p. 2003-2007., WOS

[1.1] SWEATT, J. David - NESTLER, Eric J. - MEANEY, Michael J. - AKBARIAN, Schahram - SWEATT, JD - MEANEY, MJ - NESTLER, EJ - AKBARIAN, S. An Overview of the Molecular Basis of Epigenetics. In EPIGENETIC REGULATION IN THE NERVOUS SYSTEM: BASIC MECHANISMS AND CLINICAL IMPACT, 2013, vol., no., pp. 3., WOS

[1.1] VAN EYK, Clare L. - RICHARDS, Robert I. - HANNAN, AJ. DYNAMIC MUTATIONS Where Are They Now? In TANDEM REPEAT POLYMORPHISMS: GENETIC PLASTICITY, NEURAL DIVERSITY AND DISEASE. ISSN 0065-2598, 2012, vol. 769, no., pp. 55., WOS

[1.1] YUDKIN, Dmitry - HAYWARD, Bruce E. - ALADJEM, Mirit I. - KUMARI, Daman - USDIN, Karen. Chromosome fragility and the abnormal replication of the FMR1 locus in fragile X syndrome. In HUMAN MOLECULAR GENETICS. ISSN 0964-6906, 2014, vol. 23, no. 11, pp. 2940., WOS

[1.2] HADZISELIMOVIC, F. - HADZISELIMOVIC, N. O. - HADZISELIMOVIC, N. O. - DEMOUGIN, P. - OAKELEY, E. J. Decreased expression of genes associated with memory and x-linked mental retardation in boys with non-syndromic cryptorchidism and high infertility risk. In Molecular Syndromology. ISSN 16618769, 2014-01-01, 5, 2, pp. 76-80., SCOPUS

[1.2] ROUSSEAU, François - ROUSSEAU, François - ROUSSEAU, François - ROUSSEAU, François - LABELLE, Yves - LABELLE, Yves - LABELLE, Yves - BUSSIÈRES, Johanne - LINDSAY, Carmen. The fragile X mental retardation syndrome 20 years after the FMR1 gene discovery: An expanding universe of knowledge. In Clinical Biochemist Reviews. ISSN 01598090, 2011-11-29, 32, 3, pp. 135-162., SCOPUS

ADCA43 GECZ, J. - BIELBY, S. - SUTHERLAND, G.R. - MULLEY, J.C. Gene structure and subcellular localization of FMR2, a member of a new family of putative transcription activators. In *Genomics*, 1997, vol.44, no.2, p.201-213. (1997 - Current Contents). ISSN 0888-7543.

Ohlasy:

[1.1] BARDONI, Barbara - ABEKHOUKH, Sabiha - ZONGARO, Samantha - MELKO, Mireille - DIERSEN, M - DELATORRE, R. Intellectual disabilities, neuronal posttranscriptional RNA metabolism, and RNA-binding proteins: three actors for a complex scenario. In DOWN SYNDROME: FROM UNDERSTANDING THE NEUROBIOLOGY TO THERAPY. ISSN 0079-6123, 2012, vol. 197, no., pp. 29., WOS

[1.1] MONDAL, Kajari - RAMACHANDRAN, Dhanya - PATEL, Viren C. - HAGEN, Katie R. - BOSE, Promita - CUTLER, David J. - ZWICK, Michael E. Excess variants in AFF2 detected by massively parallel sequencing of males with autism spectrum disorder. In HUMAN MOLECULAR GENETICS. ISSN 0964-6906, 2012, vol. 21, no. 19, pp. 4356., WOS

[1.1] MOORE, Justin M. - OLIVER, Peter L. - FINELLI, Matteo J. - LEE, Sheena - LICKISS, Tom - MOLNAR, Zoltan - DAVIES, Kay E. Laf4/Aff3, a Gene Involved in Intellectual Disability, Is Required for Cellular Migration in the Mouse Cerebral Cortex. In PLOS ONE. ISSN 1932-6203, 2014, vol. 9, no. 8, pp., WOS

ADCA44 GEMEINER, Peter - BREIER, Albert. Aldehydic derivatives of bead cellulose-Relationship between the matrix structure and function in immobilization of enzymes catalyzing hydrolysis of high molecular substrates. In *Biotechnol.Bioeng*, 1982, vol. 24, p. 2573-2583.

Ohlasy:

[1.1] GERICKE, M. - TRYGG, J. - FARDIM, P. Functional cellulose Beads: Preparation, Characterization and Applications. In CHEMICAL REVIEWS. ISSN 0009-2665, 2013, vol. 113, iss. 7, p. 4812-4836., WOS

[9] LUNDBLAD, RL. Chemical Modification of Biological Polymers, In CRC Press Taylor and Francis group, ISBN - 10: 143984898X, ISBN - 13: 978-1439848982, 2011, MONOGRAFIA

ADCA45 GHIGO, A. - PERINO, A. - MEHEL, H. - ZÁHRADNÍKOVÁ, Alexandra, ml. - MORELLO, F. - LEROY, J. - NIKOLAEV, V. O. - DAMILANO, F. - CIMINO, J. - DE LUCA, E. - RICHTER, W. - WESTENBROEK, R. - CATTERALL, W. A. - ZHANG, J. - YAN, C. - CONTI, M. - GOMEZ, A. M. - VANDECASTEELE, G. - HIRSCH, E. - FISCHMEISTER, R. Phosphoinositide 3-kinase gamma protects against catecholamine-induced ventricular arrhythmia through protein kinase A-mediated regulation of distinct phosphodiesterases. In *Circulation : journal of The American Heart Association*, 2012, vol. 126, no. 17, pp. 2073-2083. (14.739 - IF2011). (2012 - Current Contents). ISSN 0009-7322. Fondation Leducq 06CVD02 cAMP, Fondation Leducq 09CVD01, LSHM-CT-2005-018833/EUGeneHeart, CODDIM COD 100256, BLAN 1139 01.

Ohlasy:

[1.1] AZEVEDO, Monalisa F. - FAUCZ, Fabio R. - BIMPAKI, Eirini - HORVATH, Anelia - LEVY, Isaac - DE ALEXANDRE, Rodrigo B. - AHMAD, Faiyaz - MANGANIELLO, Vincent - STRATAKIS, Constantine A. Clinical and Molecular Genetics of the Phosphodiesterases (PDEs). In *ENDOCRINE REVIEWS*. ISSN 0163-769X, 2014, vol. 35, no. 2, pp. 195., WOS

[1.1] BELTOWSKI, Jerzy - JAZMROZ-WISNIEWSKA, Anna. Transactivation of ErbB Receptors by Leptin in the Cardiovascular System: Mechanisms, Consequences and Target for Therapy. In *CURRENT PHARMACEUTICAL DESIGN*. ISSN 1381-6128, 2014, vol. 20, no. 4, pp. 616., WOS

[1.1] LAURENT, Pierre-Alexandre - SEVERIN, Sonia - GRATACAP, Marie-Pierre - PAYRASTRE, Bernard. Class I PI 3-kinases signaling in platelet activation and thrombosis: PDK1/Akt/GSK3 axis and impact of PTEN and SHIP1. In *ADVANCES IN BIOLOGICAL REGULATION*. ISSN 2212-4926, 2014, vol. 54, pp.162-174, WOS

[1.1] LOMAS, Oliver - ZACCOLO, Manuela. Phosphodiesterases Maintain Signaling Fidelity via Compartmentalization of Cyclic Nucleotides. In *PHYSIOLOGY*. ISSN 1548-9213, 2014, vol. 29, no. 2, pp. 141., WOS

[1.1] MAURICE, Donald H. - KE, Hengming - AHMAD, Faiyaz - WANG, Yousheng - CHUNG, Jay - MANGANIELLO, Vincent C. Advances in targeting cyclic nucleotide phosphodiesterases. In *NATURE REVIEWS DRUG DISCOVERY*. ISSN 1474-1776, 2014, vol. 13, no. 4, pp. 290., WOS

[1.1] VANDEPUT, Fabrice - SZABO-FRESNAIS, Nicolas - AHMAD, Faiyaz - KHO, Changwon - LEE, Ahyoung - KRALL, Judith - DUNLOP, Allan - HAZEL, Mark W. - WOHLSCHLEGEL, James A. - HAJJAR, Roger J. - HOUSLAY, Miles D. - MANGANIELLO, Vincent C. - MOVSESIAN, Matthew A. Selective regulation of cyclic nucleotide phosphodiesterase PDE3A isoforms. In *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*. ISSN 0027-8424, 2013, vol. 110, no. 49, pp. 19778., WOS

ADCA46 GIBALOVÁ, Lenka - ŠEREŠ, Mário - RUSNÁK, Andrej - DITTE, Peter - LABUDOVOVÁ, Martina - UHRÍK, Branislav - PASTOREK, Jaromír - SEDLÁK, Ján - BREIER, Albert - SULOVOVÁ, 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. APVV-0084-07, APVV-0290-10, VVCE-0064-07, VEGA 2/0123/10, 2/0155/09.

Ohlasy:

[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-targeting Hedgehog Inhibition JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 288 Issue: 17 Pages: 11824-11833, 2013, WOS

[1.1] Lo, YL (Lo, Yu-Li) [1]; Wang, WJ (Wang, Wanjen) [1]; Ho, CT (Ho, Cheng-Ta) [2] 7,3', 4'Trihydroxyisoflavone modulates multidrug resistance transporters and induces apoptosis via production of reactive oxygen species TOXICOLOGY Volume: 302 Issue: 2-3 Pages: 221-232 DOI: 10.1016/j.tox.2012.08.003 Published: DEC 16 2012,, WOS

[1.1] Novohradsky, V (Novohradsky, Vojtech)[1,2] ; Liu, Z (Liu, Zhe)[3] ; Vojtiskova, M (Vojtiskova, Marie)[2] ; Sadler, PJ (Sadler, Peter J.)[3] ; Brabec, V (Brabec, Viktor)[1] ; Kasparkova, J Mechanism of cellular accumulation of an iridium(III) pentamethylcyclopentadienyl anticancer complex containing a C,N-chelating ligand METALLOMICS Volume: 6 Issue: 3 Pages: 682-690, 2014, WOS

[1.1] Pongrakhananon, V (Pongrakhananon, Varisa)[1,2] ; Stueckle, TA (Stueckle, Todd A.)[2,3] ; Wang, HYL (Wang, Hua-Yu Leo)[4] ; O'Doherty, GA (O'Doherty, George A.)[4] ; Dinu, CZ (Dinu, Cerasela Zoica)[5] ; Chanvorachote, P (Chanvorachote, Pithi)[1] ; Rojanasakul, Y

Monosaccharide digitoxin derivative sensitize human non-small cell lung cancer cells to anoikis through Mcl-1 proteasomal degradation BIOCHEMICAL PHARMACOLOGY Volume: 88 Issue: 1 Pages: 23-35, 2014, WOS

[1.1] Romero-Canelon, I (Romero-Canelon, Isolda) [1]; Pizarro, AM (Pizarro, Ana M.) [1]; Habtemariam, A (Habtemariam, Abraha); Sadler, PJ (Sadler, Peter J.) Contrasting cellular uptake pathways for chlorido and iodido iminopyridine ruthenium arene anticancer complexes METALLOMICS Volume: 4 Issue: 12 Pages: 1271-1279 DOI: 10.1039/c2mt20189e Published: 2012,, WOS

[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

[1.1] Spreckelmeyer, Sarah; Orvig, Chris; Casini, Angela Cellular Transport Mechanisms of Cytotoxic Metallodrugs: An Overview beyond Cisplatin MOLECULES Volume: 19 Issue: 10 Pages: 15584-15610 Published: OCT 2014, WOS

[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

[1.1] Weissfeld, JL (Weissfeld, Joel L.)[1,2] ; Diergaarde, B (Diergaarde, Brenda)[2,1] ; Nukui, T (Nukui, Tomoko)[3] ; Buch, S (Buch, Shama)[4] ; Pennathur, A (Pennathur, Arjun)[5] ; Socinski, MA (Socinski, Mark A.)[3] ; Siegfried, JM (Siegfried, Jill M.)[6] ; Romkes, M Inherited Variation in the

ATP-Binding Cassette Transporter ABCB1 and Survival after Chemotherapy for Stage III-IV Lung Cancer JOURNAL OF THORACIC ONCOLOGY

Volume: 9 Issue: 9 Pages: 1264-1271, 2014, WOS

[1.1] Zu, YQ (Zu, Yaqiong)[1] ; Yang, ZY (Yang, Zhiyong)[2] ; Tang, SS (Tang, Songshan)[3] ; Han, Y (Han, Ying)[4] ; Ma, J Effects of

P-Glycoprotein and Its Inhibitors on Apoptosis in K562 Cells MOLECULES

Volume: 19 Issue: 9 Pages: 13061-13075, 2014, WOS

[3.1] KUMAR, P. - ZHANG, D.M. - DEGENHARDT, K. - CHEN, Z.S. Autophagy and Transporter-Based Multi-Drug Resistance. In Cells. 2012, vol. 1, p. 558-575. <http://www.mdpi.com/2073-4409/1/3/558/htm>

[3.1] SENKOVA, A.V. - MIRONOVA, N.L. - PATUTINA, O.V. - AGEEVA, T.A. - ZENKOVA, M.A. The Toxic Effects of Polychemotherapy onto the Liver Are Accelerated by the Upregulated MDR of Lymphosarcoma. In ISRN Oncology 2012, Article ID 721612, p. 15 <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3517856/pdf/ISRN.ONCOLOGY.2012-721612.pdf>

ADCA47 GONCALVESOVA, E. - KRIŽANOVÁ, Oľga - MICUTKOVA, L. - MRAVEC, Boris - KSINANTOVA, L. - FABIAN, J. - KVETŇANSKÝ, Richard. Phenylethanolamine N-methyltransferase gene expression in transplanted human heart. In *Transplantation proceedings*, 2005, vol. 37, iss. 2, p. 1340-1342. ISSN 0041-1345.

Ohlasy:

[1.1] OSUALA, Kingsley - TELUSMA, Kathleen - KHAN, Saad M. - WU, Shandong - SHAH, Mubarak - BAKER, Candice - ALAM, Sabikha - ABUKENDA, Ibrahim - FUENTES, Aura - SEIFEIN, Hani B. - EBERT, Steven N. Distinctive Left-Sided Distribution of Adrenergic-Derived Cells in the Adult Mouse Heart. In PLOS ONE, 2011, vol.6, no.7., WOS

ADCA48 GROMAN, J.D. - HEFFERON, T. W. - CASALS, T. - BASSAS, L. S. - ESTIVILL, X. - DES GEORGES, M. - GUITTARD, C. - KOUDOVA, M. - FALLIN, M. D. - NEMETH, K. - FEKETE, G. - KÁDAŠI, Ľudevít - FRIEDMAN, K. - SCHWARZ, M. - BOMBIERI, C. - PIGNATTI, P. F. - KANAVAKIS, E. - TZENIS, M. - SCHWARTZ, M. - NOVELLI, G. - D'APICE, M. R. - SOBCZYNSKA-TOMASZEWSKA, A. - BAL, J. - STUHRMANN, M. - MACEK, M. - CLAUSTRES, M. - CUTTING, G. R. Variation in a repeat sequence determines whether a common variant of the cystic fibrosis transmembrane conductance regulator gene is pathogenic or benign. In *American Journal of Human Genetics*, 2004, vol. 74, iss. 1, p. 176-179. ISSN 0002-9297.

Ohlasy:

[1.1] AMATO, Felice - BELLIA, Chiara - CARDILLO, Giuseppe - CASTALDO, Giuseppe - CIACCIO, Marcello - ELCE, Ausilia - LEMBO, Francesca - TOMAIUOLO, Rossella. Extensive Molecular Analysis of Patients Bearing CFTR-Related Disorders. In JOURNAL OF MOLECULAR DIAGNOSTICS. ISSN 1525-1578, 2012, vol. 14, no. 1, pp. 81., WOS

[1.1] BAUGHN, Julie M. - QUASNEY, Michael W. - SIMPSON, Pippa - MERCHANT, Daniel - LI, Shun-Hwa - LEVY, Hara - DAHMER, Mary K. Association of cystic fibrosis transmembrane conductance regulator gene variants with acute lung injury in African American children with pneumonia. In CRITICAL CARE MEDICINE. ISSN 0090-3493, 2012, vol. 40, no. 11, pp.

3042., WOS

[1.1] BUDINI, M. - BARALLE, F. E. - BURATTI, E. Regulation of Gene Expression by TDP-43 and FUS/TLS in Frontotemporal Lobar Degeneration. In CURRENT ALZHEIMER RESEARCH, 2011, vol.8, no.3, 237., WOS

[1.1] BURATTI, Emanuele - ROMANO, Maurizio - BARALLE, Francisco E. TDP-43 high throughput screening analyses in neurodegeneration: Advantages and pitfalls. In MOLECULAR AND CELLULAR NEUROSCIENCE. ISSN 1044-7431, 2013, vol. 56, no., pp. 465., WOS

[1.1] COOPER, David N. - KRAWCZAK, Michael - POLYCHRONAKOS, Constantin - TYLER-SMITH, Chris - KEHRER-SAWATZKI, Hildegard. Where genotype is not predictive of phenotype: towards an understanding of the molecular basis of reduced penetrance in human inherited disease. In HUMAN GENETICS. ISSN 0340-6717, 2013, vol. 132, no. 10, pp. 1077., WOS

[1.1] FEUILLET-FIEUX, Marie-Noelle - LENOIR, Gerard - SERMET, Isabelle - ELIE, Caroline - DJADI-PRAT, Juliette - FERREC, Magali - MAGEN, Maryse - SIMON, Marie - COULOIGNER, Vincent - MANACH, Yves - LACOUR, Bernard - BONNEFONT, Jean-Paul. Nasal polyposis and cystic fibrosis (CF): review of the literature. In RHINOLOGY, 2011, vol.49, no.3, 347., WOS

[1.1] GONSKA, Tanja - CHOI, Perry - STEPHENSON, Anne - ELLIS, Lynda - MARTIN, Sheelagh - SOLOMON, Melinda - DUPUIS, Annie - DORFMAN, Ruslan - ZIELENSKI, Julian - OOI, Chee Y. - WEISER, William - DURIE, Peter R. - TULLIS, Elizabeth. Role of Cystic Fibrosis Transmembrane Conductance Regulator in Patients With Chronic Sinopulmonary Disease. In CHEST. ISSN 0012-3692, 2012, vol. 142, no. 4, pp. 996., WOS

[1.1] GROSU, Daniel S. - HAGUE, Lynda - CHELLISERRY, Manjula - KRUGLYAK, Kristina M. - LENTA, Ross - KLOTZLE, Brandy - SAN, Jonathan - GOLDSTEIN, Wendy M. - MOTURI, Sharmili - DEVERS, Patricia - WOOLWORTH, Julie - PETERS, Eric - ELASHOFF, Barbara - STOERKER, Jay - WOLFF, Dayna J. - FRIEDMAN, Kenneth J. - HIGHSMITH, W. Edward - LIN, Erick - ONG, Frank S. Clinical investigational studies for validation of a next-generation sequencing in vitro diagnostic device for cystic fibrosis testing. In EXPERT REVIEW OF MOLECULAR DIAGNOSTICS. ISSN 1473-7159, 2014, vol. 14, no. 5, pp. 605., WOS

[1.1] CHEN, Neng - SCHRIJVER, Iris. Allelic discrimination of cis-trans relationships by digital polymerase chain reaction: GJB2 (p.V27I/p.E114G) and CFTR (p.R117H/5T). In GENETICS IN MEDICINE, 2011, vol.13, no.12, 1025., WOS

[1.1] LANGFELDER-SCHWIND, Elinor - KARCZESKI, Barbara - STRECKER, Michelle N. - REDMAN, Joy - SUGARMAN, Elaine A. - ZALESKI, Christina - BROWN, Trisha - KEILES, Steven - POWERS, Amy - GHATE, Sumheda - DARRAH, Rebecca. Molecular Testing for Cystic Fibrosis Carrier Status Practice Guidelines: Recommendations of the National Society of Genetic Counselors. In JOURNAL OF GENETIC COUNSELING. ISSN 1059-7700, 2014, vol. 23, no. 1, pp. 5., WOS

[1.1] LI, Hongjun - WEN, Qiaolian - LI, Hanzhong - ZHAO, Lixi - ZHANG, Xinyu - WANG, Jing - CHENG, Longfei - YANG, Jingwen - CHEN, Si - MA, Xu - WANG, Binbin. Mutations in the cystic fibrosis transmembrane conductance regulator (CFTR) in Chinese patients with congenital bilateral absence of vas deferens. In JOURNAL OF CYSTIC FIBROSIS. ISSN

1569-1993, 2012, vol. 11, no. 4, pp. 316., WOS

[1.1] LUDWIG, M. - LUDWIG, A. K. Genetic risks of assisted reproduction. In MEDIZINISCHE GENETIK, 2011, vol.23, no.2, 275., WOS

[1.1] MILOSEVIC, Katarina - NIKOLIC, Aleksandra - RANKOV, Aleksandra Divac - LJUJIC, Mila - NESTOROVIC, Branimir - RADOJKOVIC, Dragica. Analysis of CFTR Gene Variants in Idiopathic Bronchiectasis in Serbian Children. In PEDIATRIC ALLERGY IMMUNOLOGY AND PULMONOLOGY. ISSN 2151-321X, 2013, vol. 26, no. 2, pp. 93., WOS

[1.1] NI, Wu-Hua - JIANG, Lei - FEI, Qian-Jin - JIN, Jian-Yuan - YANG, Xu - HUANG, Xue-Feng. The CFTR polymorphisms poly-T, TG-repeats and M470V in Chinese males with congenital bilateral absence of the vas deferens. In ASIAN JOURNAL OF ANDROLOGY. ISSN 1008-682X, 2012, vol. 14, no. 5, pp. 687., WOS

[1.1] SALDANA-ALVAREZ, Yolanda - JIMENEZ-MORALES, Silvia - ECHEVARRIA-SANCHEZ, Mirna - LUIS JIMENEZ-RUIZ, Juan - GARCIA-CAVAZOS, Ricardo - VELAZQUEZ-CRUZ, Rafael - CARNEVALE, Alessandra - OROZCO, Lorena. Molecular Screening of the CFTR Gene in Mexican Patients with Congenital Absence of the Vas Deferens. In GENETIC TESTING AND MOLECULAR BIOMARKERS. ISSN 1945-0265, 2012, vol. 16, no. 4, pp. 292., WOS

[1.1] SANCHEZ-RODRIGUEZ, Aminaël - CLOOTS, Lore - MARCHAL, Kathleen. Omics Derived Networks in Bacteria. In CURRENT BIOINFORMATICS. ISSN 1574-8936, 2013, vol. 8, no. 4, pp. 489., WOS

[1.1] SORIO, Claudio - ANGIARI, Chiara - JOHANSSON, Jan - VERZE, Genny - ETTORRE, Michele - BUFFELLI, Mario - CASTELLANI, Carlo - ASSAEL, Baroukh Maurice - MELOTTI, Paola. Impaired CFTR function in mild cystic fibrosis associated with the S977F/T5TG12complex allele in trans with F508del mutation. In JOURNAL OF CYSTIC FIBROSIS. ISSN 1569-1993, 2013, vol. 12, no. 6, pp. 821., WOS

[1.1] SULTAN, Mutaz - WERLIN, Steven - VENKATASUBRAMANI, Narayanan. Genetic Prevalence and Characteristics in Children With Recurrent Pancreatitis. In JOURNAL OF PEDIATRIC GASTROENTEROLOGY AND NUTRITION. ISSN 0277-2116, 2012, vol. 54, no. 5, pp. 645., WOS

[1.1] TABARIPOUR, Reza - NIAKI, Haleh Akhavan - DOUKI, Mohammad Reza Esmaeeli - BAZZAZ, Javad Tavakkoly - LARIJANI, Bagher - YAGHMAEI, Parichehr. Poly thymidine polymorphism and cystic fibrosis in a non-Caucasian population. In DISEASE MARKERS. ISSN 0278-0240, 2012, vol. 32, no. 4, pp. 241., WOS

[1.1] ZIETKIEWICZ, Ewa - RUTKIEWICZ, Ewa - POGORZELSKI, Andrzej - KLIMEK, Barbara - VOELKEL, Katarzyna - WITT, Michal. CFTR Mutations Spectrum and the Efficiency of Molecular Diagnostics in Polish Cystic Fibrosis Patients. In PLOS ONE. ISSN 1932-6203, 2014, vol. 9, no. 2, pp., WOS

[1.2] KEILES, S. - KOEPKE, R. - PARAD, R. - KHARRAZI, M. Impact of IVS8-(TG)m(T)n on IRT and sweat chloride levels in newborns identified by California CF newborn screening. In Journal of Cystic Fibrosis, 2012, 11, 3, pp. 257-260., SCOPUS

[1.2] YU, J. - CHEN, Z. - NI, Y. - LI, Z. CFTR mutations in men with congenital bilateral absence of the vas deferens (CBAVD): A systemic review and meta-analysis. In Human Reproduction, 2012, 27, 1, pp. 25-35., SCOPUS

ADCA49 HAMOSH, A. - COREY, M. - KÁDAŠI, Ľudevít. CORRELATION BETWEEN GENOTYPE AND PHENOTYPE IN PATIENTS WITH CYSTIC-FIBROSIS : Cystic Fibrosis Genotype-Phenotype Consortium. In *New England Journal of Medicine*, 1993, vol. 329, iss. 18, p. 1308-1313. ISSN 0028-4793.

Ohlasy:

[1.1] COLLACO, Joseph M. - MCGREADY, John - GREEN, Deanna M. - NAUGHTON, Kathleen M. - WATSON, Christopher P. - SHIELDS, Timothy - BELL, Scott C. - WAINWRIGHT, Claire E. - CUTTING, Garry R. Effect of Temperature on Cystic Fibrosis Lung Disease and Infections: A Replicated Cohort Study. In PLOS ONE. ISSN 1932-6203, NOV 18 2011, vol. 6, no. 11., WOS

[1.1] DE NORONHA, Renata Maria - PROCOPIO CALLIARI, Luis Eduardo - DAMACENO, Neiva - MURAMATU, Lucia Harumi - MONTE, Osmar. Update on diagnosis and monitoring of cystic fibrosis-related diabetes mellitus (CFRD). In ARQUIVOS BRASILEIROS DE ENDOCRINOLOGIA E METABOLOGIA. ISSN 0004-2730, NOV 2011, vol. 55, no. 8, p. 613-621., WOS

[1.1] GEISER, Marianne - STOEGER, Tobias - CASALTA, Marco - CHEN, Shanze - SEMMLER-BEHNKE, Manuela - BOLLE, Ines - TAKENAKA, Shinji - KREYLING, Wolfgang G. - SCHULZ, Holger. Biokinetics of nanoparticles and susceptibility to particulate exposure in a murine model of cystic fibrosis. In PARTICLE AND FIBRE TOXICOLOGY. ISSN 1743-8977, 2014, vol. 11, no., pp., WOS

[1.1] MARSHAK, Tal - RIVLIN, Y. - BENTUR, L. - RONEN, O. - URI, N. Prevalence of rhinosinusitis among atypical cystic fibrosis patients. In EUROPEAN ARCHIVES OF OTO-RHINO-LARYNGOLOGY. ISSN 0937-4477, APR 2011, vol. 268, no. 4, p. 519-524., WOS

[1.1] MARTIN-FRIAS, Maria - MAIZ, Luis - CARCAVILLA, Atilano - BARRIO, Raquel. Long-term benefits in lung function and nutritional status of strict metabolic control of cystic fibrosis-related diabetes. In ARCHIVOS DE BRONCONEUMOLOGIA. ISSN 0300-2896, OCT 2011, vol. 47, no. 10, p. 531-534., WOS

[1.1] PUZIK, Alexander - MORRIS-ROSENDAHL, Deborah J. - RUECKAUER, Klaus-Dieter - OTTO, Claudia - GESSLER, Peter - SAUERESSIG, Ulrich - HENTSCHEL, Roland. Lethal course of meconium ileus in preterm twins revealing a novel cystic fibrosis mutation (p.Cys524Tyr). In BMC PEDIATRICS. ISSN 1471-2431, 2014, vol. 14, no., pp., WOS

[1.1] TERHEGGEN, G. - DIENINGHOFF, D. - RIETSCHER, E. - DREBBER, U. - KRUIS, W. - LEIFELD, L. SUCCESSFUL NON-INVASIVE TREATMENT OF STRICTURING FIBROSING COLONOPATHY IN AN ADULT PATIENT. In EUROPEAN JOURNAL OF MEDICAL RESEARCH. ISSN 0949-2321, SEP 12 2011, vol. 16, no. 9, p. 411-414., WOS

[1.1] WAGENER, Jeffrey S. - WOO, Marlyn S. - PASTA, David J. - KONSTAN, Michael W. - MORGAN, Wayne J. Liver Involvement in the Hispanic Population of North America With Cystic Fibrosis. In JOURNAL OF PEDIATRIC GASTROENTEROLOGY AND NUTRITION. ISSN 0277-2116, 2014, vol. 59, no. 4, pp. 476., WOS

[1.1] WERKMAN, Maarten S. - HULZEBOS, Erik H. J. - HELDERS, Paul J. M. - ARETS, Bert G. M. - TAKKEN, Tim. Estimating peak oxygen uptake in

adolescents with cystic fibrosis. In ARCHIVES OF DISEASE IN CHILDHOOD-FETAL AND NEONATAL EDITION. ISSN 1359-2998, 2014, vol. 99, no. 1, pp. 21., WOS

[1.1] WHITING, Penny - AL, Maiwenn - BURGERS, Laura - WESTWOOD, Marie - RYDER, Steve - HOOGENDOORN, Martine - ARMSTRONG, Nigel - ALLEN, Alex - SEVERENS, Hans - KLEIJNEN, Jos. Ivacaftor for the treatment of patients with cystic fibrosis and the G551D mutation: a systematic review and cost-effectiveness analysis. In HEALTH TECHNOLOGY ASSESSMENT. ISSN 1366-5278, 2014, vol. 18, no. 18, pp. 1., WOS

[1.1] WITT, Heiko. New modifier loci in cystic fibrosis. In NATURE GENETICS. ISSN 1061-4036, JUN 2011, vol. 43, no. 6, p. 508-509., WOS

[1.1] WRIGHT, Fred A. - STRUG, Lisa J. - DOSHI, Vishal K. - COMMANDER, Clayton W. - BLACKMAN, Scott M. - SUN, Lei - BERTHIAUME, Yves - CUTLER, David - COJOCARU, Andreea - COLLACO, J. Michael - COREY, Mary - DORFMAN, Ruslan - GODDARD, Katrina - GREEN, Deanna - KENT, Jack W., Jr. - LANGE, Ethan M. - LEE, Seunggeun - LI, Weili - LUO, Jingchun - MAYHEW, Gregory M. - NAUGHTON, Kathleen M. - PACE, Rhonda G. - PARE, Peter - ROMMENS, Johanna M. - SANDFORD, Andrew - STONEBRAKER, Jaclyn R. - SUN, Wei - TAYLOR, Chelsea - VANSCHOY, Lori L. - ZOU, Fei - BLANGERO, John - ZIELENSKI, Julian - O'NEAL, Wanda K. - DRUMM, Mitchell L. - DURIE, Peter R. - KNOWLES, Michael R. - CUTTING, Garry R. Genome-wide association and linkage identify modifier loci of lung disease severity in cystic fibrosis at 11p13 and 20q13.2. In NATURE GENETICS. ISSN 1061-4036, JUN 2011, vol. 43, no. 6, p. 539-567., WOS

[1.2] ARKIN, L.M. - FLORY, J.H. - SHIN, D.B. - GELFAND, J.M. - TREAT, J.R. - ALLEN, J. - RUBENSTEIN, R.C. - YAN, A.C. High prevalence of aquagenic wrinkling of the palms in patients with cystic fibrosis and association with measurable increases in transepidermal water loss. In Pediatric Dermatology, 2012, 29, 5, pp. 560-566., SCOPUS

[1.2] FEREC, C. - CUTTING, G.R. Assessing the disease-liability of mutations in CFTR. In Cold Spring Harbor Perspectives in Medicine, 2012, 2, 12, pp., SCOPUS

[1.2] HECTOR, Andreas - KORMANN, Michael S D - KAMMERMEIER, Julia - BURDI, Sofia - MARCOS, Veronica - RIEBER, Nikolaus - MAYS, Lauren E. - ILLIG, Thomas - KLOPP, Norman - FALKENSTEIN, Fabian - KAPPLER, Matthias - RIETHMUELLER, Joachim - GRAEPLER-MAINKA, Ute - STERN, Martin E. - EICKMEIER, Olaf - SERVE, Friederike - ZIELEN, Stefan - DÖRING, Gerd - GRIESE, Matthias E. - HARTL, Dominik. Expression and regulation of interferon-related development regulator-1 in cystic fibrosis neutrophils. In American Journal of Respiratory Cell and Molecular Biology. ISSN 10441549, 2013-01-01, 48, 1, pp. 71-77., SCOPUS

[1.2] IZUMIKAWA, K. - KOHNO, S. Cystic fibrosis. In Japanese Journal of Chest Diseases, 2012, 71, suppl., pp. S94-S100., SCOPUS

[1.2] KANDASAMY, J. - ATIA-GLIKIN, D. - SHULMAN, E. - SHAPIRA, K. - SHAVIT, M. - BELAKHOV, V. - BAASOV, T. Increased selectivity toward cytoplasmic versus mitochondrial ribosome confers improved efficiency of synthetic aminoglycosides in fixing damaged genes: A strategy for treatment of genetic diseases caused by nonsense mutations. In Journal of Medicinal

Chemistry, 2012, 55, 23, pp. 10630-10643., SCOPUS

[1.2] KONSTAN, M.W. - WAGENER, J.S. - VANDEVANTER, D.R. - PASTA, D.J. - YEGIN, A. - RASOULIYAN, L. - MORGAN, W.J. Risk factors for rate of decline in FEV1 in adults with cystic fibrosis. In *Journal of Cystic Fibrosis*, 2012, 11, 5, pp. 405-411., SCOPUS

[1.2] MOLINSKI, S. - ECKFORD, P.D.W. - PASYK, S. - AHMADI, S. - CHIN, S. - BEAR, C.E. Functional rescue of F508del-CFTR using small molecule correctors. In *Frontiers in Pharmacology*, 2012, 3 SEP, pp., SCOPUS

[1.2] SIMMONDS, Nicholas J. Cystic fibrosis presenting in adulthood: When to think of it and what to do. In *Clinical Pulmonary Medicine*. ISSN 10680640, 2013-01-01, 20, 1, pp. 1-5., SCOPUS

[1.2] SIMMONDS, N.J. Cystic fibrosis and survival beyond 40 years. In *Annals of Respiratory Medicine*, 2012, 2, 1, pp. 55-63., SCOPUS

[1.2] SIMMONDS, N.J. - BUSH, A. Diagnosing cystic fibrosis: What are we sweating about? In *Thorax*, 2012, 67, 7, pp. 571-573., SCOPUS

ADCA50 HERICHOVÁ, Iveta - MRAVEC, Boris - STEBELOVÁ, Katarína - KRIŽANOVÁ, Oľga - JURKOVIČOVÁ, Dana - KVETŇANSKÝ, Richard - ZEMAN, Michal. Rhythmic clock gene expression in heart, kidney and some brain nuclei involved in blood pressure control in hypertensive TGR(mREN-2)27 rats. In *Molecular and Cellular Biochemistry*, 2007, vol. 296, iss. 1-2, p. 25-34. (1.862 - IF2006). (2007 - Current Contents). ISSN 0300-8177.

Ohlasy:

[1.1] BONNY, Olivier - VINCIGUERRA, Manlio - GUMZ, Michelle L. - MAZZOCCOLI, Gianluigi. Molecular bases of circadian rhythmicity in renal physiology and pathology. In *NEPHROLOGY DIALYSIS TRANSPLANTATION*. ISSN 0931-0509, 2013, vol. 28, no. 10, pp. 2421., WOS

[1.1] GUMENYUK, Valentina - ROTH, Thomas - DRAKE, Christopher L. Circadian Phase, Sleepiness, and Light Exposure Assessment in Night Workers With and Without Shift Work Disorder. In *CHRONOBIOLOGY INTERNATIONAL*. ISSN 0742-0528, 2012, vol. 29, no. 7, pp. 928., WOS

[1.1] HSU, Chung-Yao - CHANG, Fang-Chia - NG, Hwee-Yeong - KUO, Chien-Chun - LEE, Yueh-Ting - LU, Chin-Yu - LEE, Chien-Te. Disrupted circadian rhythm in rats with nephrectomy-induced chronic kidney disease. In *LIFE SCIENCES*. ISSN 0024-3205, 2012, vol. 91, no. 3-4, pp. 127., WOS

[1.1] HUANG, Xiao-Mei - CHEN, Wen-Li - YUAN, Jing-Ping - YANG, Yue-Hong - MEI, Qi-Hui - HUANG, Li-Xia. Altered diurnal variation and localization of clock proteins in the remnant kidney of 5/6 nephrectomy rats. In *NEPHROLOGY*. ISSN 1320-5358, 2013, vol. 18, no. 8, pp. 555., WOS

[1.1] HUANG, Xiao-mei - YUAN, Jing-ping - ZENG, Xing-ruo - PENG, Cai-xia - MEI, Qi-hui - CHEN, Wen-li. Effects of chronotherapy of benazepril on the diurnal profile of RAAS and clock genes in the kidney of 5/6 nephrectomy rats. In *JOURNAL OF HUAZHONG UNIVERSITY OF SCIENCE AND TECHNOLOGY-MEDICAL SCIENCES*. ISSN 1672-0733, 2013, vol. 33, no. 3, pp. 368., WOS

[1.1] VOLGIN, Denys V. - STETTNER, Georg M. - KUBIN, Leszek. Circadian dependence of receptors that mediate wake-related excitatory drive to hypoglossal motoneurons. In *RESPIRATORY PHYSIOLOGY & NEUROBIOLOGY*. ISSN 1569-9048, 2013, vol. 188, no. 3, pp. 301., WOS

[1.1] Yang, Ming-Yu; Yang, Wen-Chi; Lin, Pai-Mei. Altered Expression of

Circadian Clock Genes in Human Chronic Myeloid Leukemia JOURNAL OF BIOLOGICAL RHYTHMS Volume: 26 Issue: 2 Pages: 136-148 2011, WOS

[1.2] CAMPOS, Luciana Aparecida - CIPOLLA-NETO, José - AMARAL, Fernanda Gaspar do - MICHELINI, Lisete Compagno - BADER, Michael F. - BALȚATU, Ovidiu Constantin. The angiotensin-melatonin axis. In International Journal of Hypertension. ISSN 20900384, 2013., SCOPUS

ADCA51 HOBOM, M. - DAI, S. - MARAIS, E. - LACINOVÁ, Ľubica - HOFMANN, F. - KLUGBAUER, N. Neuronal distribution and functional characterization of the calcium channel $\alpha(2)\delta$ -2 subunit. In *European Journal of Neuroscience*, 2000, vol. 12, iss. 4, p. 1217-1226. ISSN 0953-816X.

Ohlasy:

[1.1] BEBAROVA, Marketa. Arrhythmogenesis in Brugada syndrome: Impact and constraints of current concepts. In INTERNATIONAL JOURNAL OF CARDIOLOGY. ISSN 0167-5273, 2013, vol. 167, no. 5, pp. 1760., WOS

[1.1] CALDERON-RIVERA, Aida - ANDRADE, Arturo - HERNANDEZ-HERNANDEZ, Oscar - GONZALEZ-RAMIREZ, Ricardo - SANDOVAL, Alejandro - RIVERA, Manuel - CARLOS GOMORA, Juan - FELIX, Ricardo. Identification of a disulfide bridge essential for structure and function of the voltage-gated Ca^{2+} channel $\alpha(2)\delta$ -1 auxiliary subunit. In CELL CALCIUM. ISSN 0143-4160, 2012, vol. 51, no. 1, pp. 22., WOS

[1.1] DAGLEY, Laura F. - WHITE, Carl A. - LIAO, Yang - SHI, Wei - SMYTH, Gordon K. - ORIAN, Jacqueline M. - EMILI, Andrew - PURCELL, Anthony W. Quantitative proteomic profiling reveals novel region-specific markers in the adult mouse brain. In PROTEOMICS. ISSN 1615-9853, 2014, vol. 14, no. 2-3, pp. 241., WOS

[1.1] DOLPHIN, Annette C. The $\alpha(2)\delta$ subunits of voltage-gated calcium channels. In BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES. ISSN 0005-2736, 2013, vol. 1828, no. 7, pp. 1541., WOS

[1.1] KADURIN, Ivan - ALVAREZ-LAVIADA, Anita - NG, Shu Fun Josephine - WALKER-GRAY, Ryan - D&APOS;ARCO, Marianna - FADEL, Michael G. - PRATT, Wendy S. - DOLPHIN, Annette C. Calcium Currents Are Enhanced by $\alpha(2)\delta$ -1 Lacking Its Membrane Anchor. In JOURNAL OF BIOLOGICAL CHEMISTRY. ISSN 0021-9258, 2012, vol. 287, no. 40, pp. 33554., WOS

[1.1] KUO, Ivana Y.T. - HOWITT, Lauren - SANDOW, Shaun L. - MCFARLANE, Alexandra - HANSEN, Pernille B. - HILL, Caryl E. Role of T-type channels in vasomotor function: team player or chameleon? In PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY. ISSN 0031-6768, 2014, vol. 466, no. 4, pp. 767., WOS

[1.1] KUO, Ivana Y.T. - WOELFLE, Stephanie E. - HILL, Caryl E. T-type calcium channels and vascular function: the new kid on the block? In JOURNAL OF PHYSIOLOGY-LONDON, 2011, vol. 589, no. 4, pp. 783., WOS

[1.1] NIELSEN, Morten W. - HOLST, Anders G. - OLESEN, Søren-Peter - OLESEN, Morten S. The genetic component of Brugada syndrome. In FRONTIERS IN PHYSIOLOGY. ISSN 1664-042X, 2013, vol. 4, no., pp., WOS

[1.1] WANG, Xiaowei - WHALLEY, Benjamin J. - STEPHENS, Gary J. The $\text{du}(2J)$ mouse model of ataxia and absence epilepsy has deficient

cannabinoid CB1 receptor-mediated signalling. In JOURNAL OF PHYSIOLOGY-LONDON. ISSN 0022-3751, 2013, vol. 591, no. 16, pp. 3919., WOS

[1.2] BAUMGART, Joel - PEREZ-REYES, Edward. Voltage-gated calcium channels. In Ion Channels: From Structure to Function, 2012-03-22, pp., SCOPUS

[1.2] DOLPHIN, Annette C. Assembly and targeting of voltage-dependent calcium channels. In Receptor and Ion-Channel Trafficking: Cell Biology of Ligand-Gated and Voltage-Sensitive Ion Channels, 2012-03-22, pp., SCOPUS

[1.2] GARCÍA, Jesús. Unraveling the multiple functions of the $\alpha 2/\delta$ subunits of calcium channels. In Calcium Channels: Properties, Functions and Regulation, 2012-03-01, pp. 109-120., SCOPUS

[1.2] TAKAHASHI, Eiki. Cav2.1 channelopathies and genetic approaches for investigating Cav2.1 channel function and dysfunction. In Calcium Signaling, 2012-02-01, pp. 149-158., SCOPUS

[1.2] ZHOU, Chunyi - LUO, Z. David. Sensory pathway modulation by calcium channel $\alpha 2\delta 1$ subunit. In Modulation of Presynaptic Calcium Channels, 2013-12-01, 9789400763340, pp. 345-362., SCOPUS

ADCA52 HOFMANN, F. - LACINOVA, Lubica - KLUGBAUER, N.

Voltage-dependent calcium channels: From structure to function. In *Reviews of Physiology, Biochemistry and Pharmacology*, 1999, vol. 139, p. 33-87. ISSN 0303-4240.

Ohlasy:

[1.1] ABD EL-RAHMAN, Rasha R. - HARRAZ, Osama F. - BRETT, Suzanne E. - ANFINOGENOVA, Yana - MUFTI, Rania E. - GOLDMAN, Daniel - WELSH, Donald G. Identification of L- and T-type Ca^{2+} channels in rat cerebral arteries: role in myogenic tone development. In AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY. ISSN 0363-6135, 2013, vol. 304, no. 1, pp. H58., WOS

[1.1] ADISAKWATTANA, S. - HSU, W. H. - YIBCHOK-ANUN, S. Mechanisms of p-Methoxycinnamic Acid-induced Increase in Insulin Secretion. In HORMONE AND METABOLIC RESEARCH, 2011, vol.43, no.11, 766., WOS

[1.1] ARAIE, Makoto - MAYAMA, Chihiro. Use of calcium channel blockers for glaucoma. In PROGRESS IN RETINAL AND EYE RESEARCH, 2011, vol.30, no.1, 54., WOS

[1.1] BRINI, Marisa - CALI, Tito - OTTOLINI, Denis - CARAFOLI, Ernesto. Neuronal calcium signaling: function and dysfunction. In CELLULAR AND MOLECULAR LIFE SCIENCES. ISSN 1420-682X, 2014, vol. 71, no. 15, pp. 2787., WOS

[1.1] CATTERALL, William A. - LEAL, Karina - NANOU, Evanthia. Calcium Channels and Short-term Synaptic Plasticity. In JOURNAL OF BIOLOGICAL CHEMISTRY. ISSN 0021-9258, 2013, vol. 288, no. 15, pp. 10742., WOS

[1.1] HANSEN, P. B. L. Functional and pharmacological consequences of the distribution of voltage-gated calcium channels in the renal blood vessels. In ACTA PHYSIOLOGICA. ISSN 1748-1708, 2013, vol. 207, no. 4, pp. 690., WOS

[1.1] HE BING-JUN - HU FEN - SHANG XUE-LIANG - HAN LI-XIN -

- WU GUANG-YAN - LI JUN-YING - SUN JIN-SHENG. Molecular Regions Determining The Voltage-dependence of Inactivation for T-type Calcium Channel Ca(v)3.1. In PROGRESS IN BIOCHEMISTRY AND BIOPHYSICS. ISSN 1000-3282, 2014, vol. 41, no. 9, pp. 877., WOS
- [1.1] HEGYI, Bence - KOMAROMI, Istvan - NANASI, Peter P. - SZENTANDRASSY, Norbert. Selectivity Problems with Drugs Acting on Cardiac Na⁺ and Ca²⁺ Channels. In CURRENT MEDICINAL CHEMISTRY. ISSN 0929-8673, 2013, vol. 20, no. 20, pp. 2552., WOS
- [1.1] HIRAI, Takashi - HAMA, Aldric. Targeting of Peripherally Expressed Pain-Related Molecules in Injury-Induced Chronic Neuropathic Pain. In CNS & NEUROLOGICAL DISORDERS-DRUG TARGETS. ISSN 1871-5273, 2014, vol. 13, no. 5, pp. 846., WOS
- [1.1] HONDA, Masaki - KIYOKAWA, Jumpei - TABO, Mitsuyasu - INOUE, Tomoaki. Electrophysiological Characterization of Cardiomyocytes Derived From Human Induced Pluripotent Stem Cells. In JOURNAL OF PHARMACOLOGICAL SCIENCES, 2011, vol.117, no.3, 149., WOS
- [1.1] CHO, Pyo Yun - YOO, Won Gi - KIM, Tae Im - AHN, Seong Kyu - CHO, Shin-Hyeong - KIM, Tong-Soo - HONG, Sung-Jong. Molecular characterization of voltage-gated calcium channel beta-subunits of *Clonorchis sinensis*. In PARASITOLOGY RESEARCH. ISSN 0932-0113, 2014, vol. 113, no. 1, pp. 121., WOS
- [1.1] ISLAM, A. - REHANA, B. - ZHANG, M. - LIU, Z. J. - TANG, S. - HARTUNG, J. - BAO, E. D. Expression of heat shock protein 90 alpha (Hsp90 alpha) in primary neonatal rat myocardial cells exposed to various periods of heat stress in vitro. In GENETICS AND MOLECULAR RESEARCH. ISSN 1676-5680, 2014, vol. 13, no. 2, pp. 2806., WOS
- [1.1] JURKOVICOVA-TARABOVA, Bohumila - GRIESEMER, Desiree - PIRONE, Antonella - SINNEGGER-BRAUNS, Martina J. - STRIESSNIG, Joerg - FRIAUF, Eckhard. Repertoire of high voltage-activated Ca²⁺ channels in the lateral superior olive: functional analysis in wild-type, Ca(v)1.3(-/-), and Ca(v)1.2DHP(-/-) mice. In JOURNAL OF NEUROPHYSIOLOGY. ISSN 0022-3077, 2012, vol. 108, no. 2, pp. 365., WOS
- [1.1] KARNABI, Eddy - QU, Yongxia - YUE, Yunkun - BOUTJDIR, Mohamed. Calreticulin negatively regulates the surface expression of Cav1.3 L-type calcium channel. In BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS. ISSN 0006-291X, 2013, vol. 437, no. 4, pp. 497., WOS
- [1.1] KEUM, Dongil - BAEK, Christina - KIM, Dong-Il - KWEON, Hae-Jin - SUH, Byung-Chang. Voltage-dependent regulation of Ca(V)2.2 channels by G(q)-coupled receptor is facilitated by membrane-localized beta subunit. In JOURNAL OF GENERAL PHYSIOLOGY. ISSN 0022-1295, 2014, vol. 144, no. 4, pp. 297., WOS
- [1.1] LEE, Stewart - ROIZES, Simon - VON DER WEID, Pierre-Yves. Distinct roles of L- and T-type voltage-dependent Ca²⁺ channels in regulation of lymphatic vessel contractile activity. In JOURNAL OF PHYSIOLOGY-LONDON. ISSN 0022-3751, 2014, vol. 592, no. 24, pp. 5409., WOS
- [1.1] LIANG, Huamin - REPPPEL, Michael - TANG, Ming - HESCHELER, Juergen - TRIPATHI, ON - RAVENS, U - SANGUINETTI, MC. Development of Pacemaker Activity in Embryonic and Embryonic Stem Cell-Derived Cardiomyocytes. In HEART RATE AND RHYTHM: MOLECULAR BASIS,

PHARMACOLOGICAL MODULATION AND CLINICAL IMPLICATIONS, 2011, vol., no., 197., WOS

[1.1] LIU, Meifang - LI, Minghui - WANG, Guangtian - LIU, Xiaoying - LIU, Daming - PENG, Haisheng - WANG, Qun. Heart-Targeted Nanoscale Drug Delivery Systems. In JOURNAL OF BIOMEDICAL NANOTECHNOLOGY. ISSN 1550-7033, 2014, vol. 10, no. 9, pp. 2038., WOS

[1.1] MARCUS, Gregory M. - SCHEINMAN, Melvin M. - KEUNG, Edmund. The Year in Clinical Cardiac Electrophysiology. In JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY, 2011, vol.58, no.16, 1645., WOS

[1.1] MARTINEZ, Jose A. - KASAMATSU, Manami - ROSALES-HERNANDEZ, Alma - HANSON, Leah R. - FREY, William H. - TOTH, Cory C. Comparison of central versus peripheral delivery of pregabalin in neuropathic pain states. In MOLECULAR PAIN. ISSN 1744-8069, 2012, vol. 8, no., pp., WOS

[1.1] NOORANI, Muzamil M. Z. - NOEL, Rebecca C. - MARRELLI, Sean P. Upregulated TRPC3 and downregulated TRPC1 channel expression during hypertension is associated with increased vascular contractility in rat. In FRONTIERS IN PHYSIOLOGY. ISSN 1664-042X, 2011, vol. 2, no., pp., WOS

[1.1] PADAMSEY, Zahid - EMPTAGE, Nigel. Two sides to long-term potentiation: a view towards reconciliation. In PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES. ISSN 0962-8436, 2014, vol. 369, no. 1633, pp., WOS

[1.1] SIWEK, Magdalena Elisabeth - MUELLER, Ralf - HENSELER, Christina - BROICH, Karl - PAPAOGLOU, Anna - WEIERGRAEBER, Marco. The Ca-V 2.3 R-Type Voltage-Gated Ca²⁺ Channel in Mouse Sleep Architecture. In SLEEP. ISSN 0161-8105, 2014, vol. 37, no. 5, pp. 881., WOS

[1.1] SIWEK, Magdalena - HENSELER, Christina - BROICH, Karl - PAPAOGLOU, Anna - WEIERGRAEBER, Marco. Voltage-Gated Ca²⁺ Channel Mediated Ca²⁺ Influx in Epileptogenesis. In CALCIUM SIGNALING. ISSN 0065-2598, 2012, vol. 740, no., pp. 1219., WOS

[1.1] TUCKWELL, Henry C. Quantitative aspects of L-type Ca²⁺ currents. In PROGRESS IN NEUROBIOLOGY. ISSN 0301-0082, 2012, vol. 96, no. 1, pp. 1., WOS

[1.1] ZAMPONI, Gerald W. - CURRIE, Kevin P. M. Regulation of Ca(v)₂ calcium channels by G protein coupled receptors. In BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES. ISSN 0005-2736, 2013, vol. 1828, no. 7, pp. 1629., WOS

[1.2] DIBUÉ, Maxine - TEVOUFOUET, Etienne E. - NEUMAIER, Felix - KRIEGER, Andreas - KIEL, Alexandra - EVDOKIMOV, Dimitar - GALETIN, Thomas - ALPDOGAN, Serdar - AKHTAR, Isha - SCHARF, Sabrina - CLEMENS, Renate - RADHAKRISHNAN, Kayalvizhi - HESCHELER, Jürgen - SCHNEIDER, Toni - KAMP, Marcel A. Protein interaction partners of Cav2.3 R-type voltage-gated calcium channels. In Modulation of Presynaptic Calcium Channels, 2013-12-01, 9789400763340, pp. 151-174., SCOPUS

[1.2] FERREIRA, Julio Cesar Batista - MOCHLY-ROSEN, Daria - BOUTJDIR, Mohamed. Regulation of cardiac excitability by protein kinase C isozymes. In Frontiers in Bioscience Scholar. ISSN 19450516, 2012-01-01, 4 S, 2, pp. 532-546., SCOPUS

[1.2] CHANDRA, K. Sarat - RAMESH, G. The fourth-generation Calcium

channel blocker: Cilnidipine. In Indian Heart Journal. ISSN 00194832, 2013-12-01, 65, 6, pp. 691-695., SCOPUS

[1.2] MOCHIDA, Sumiko. Overview: Spatial and temporal regulation of Ca²⁺ channels. In Modulation of Presynaptic Calcium Channels, 2013-12-01, 9789400763340, pp. 3-26., SCOPUS

[1.2] MORELLI, Maria Beatrice - LIBERATI, Sonia - AMANTINI, Consuelo - SANTONI, Matteo - NABISSI, Massimo - FARFARIELLO, Valerio - SANTONI, Giorgio. Epigenetic, genetic, and acquired regulation of Cav3 T-type calcium channel expression and function in tumor growth and progression. In Pathologies of Calcium Channels, 2014-01-01, pp. 277-295., SCOPUS

[1.2] SCHNEIDER, Toni - DIBUÉ, Maxine - HESCHELER, Jürgen. How "pharmacoresistant" is cav2.3, the major component of voltage-gated r-type ca²⁺ channels? In Pharmaceuticals, 2013-06-05, 6, 6, pp. 759-776., SCOPUS

[1.2] ZHOU, Chunyi - LUO, Z. David. Sensory pathway modulation by calcium channel $\alpha 2\delta 1$ subunit. In Modulation of Presynaptic Calcium Channels, 2013-12-01, 9789400763340, pp. 345-362., SCOPUS

ADCA53 HOLLWAY, G.E. - SUTHER, G.K. - HAAN, E. A. - THOMPSON, E.A. - DAVID, D.J. - GÉCZ, Jozef - MULLEY, J.C. Mutation detection in FGFR2 craniosynostosis syndromes. In *Human Genetics*, 1997, vol.99, no.2, p.251-255. ISSN 0340-6717.

Ohlasy:

[1.1] BRISTOL, RE. - KRIEGER, MD. - McCOMB, G. Normally Shaped Heads With No Sutures, Normally Shaped Heads With Abnormal Sutures, and Abnormally Shaped Heads With Normal Sutures. In JOURNAL OF CRANIOFACIAL SURGERY. 2011, Vol. 22, no. 1, p. 173-177., WOS

[1.1] FEARON, J.A. - PODNER, C. Apert syndrome: Evaluation of a treatment algorithm. In PLASTIC AND RECONSTRUCTIVE SURGERY. 2013, Vol. 131, iss. 1, p. 132-142, ISSN 0032-1052, WOS

[1.1] PANDEY, R.K. - ALI, A. - BAJPAI, M - GAYAN, S. - SINGH, A. Association study of five mutation in FGFR1 and FGFR2 genes in indian children with craniosynostosis. In GENETIKA - BELGRADE, 2013, Vol. 45, iss. 3, p. 881-893, ISSN 0534-0012, WOS

[1.2] PANDEY, Rajeev Kumar - BAJPAI, Minu - ALI, Abid - GAYAN, Sukanya - SINGH, Amit. Mutational identification of fibroblast growth factor receptor 1 and fibroblast growth factor receptor 2 genes in craniosynostosis in Indian population. In Indian Journal of Human Genetics. ISSN 09716866, 2013-01-01, 19, 4, pp. 449-453., SCOPUS

[3] CONNERNEY, JJ. - SPICER, DB. Signal Transduction Pathway and Their Impairment in Syndromic Craniosynostosis. CRANIOSYNOSTOSES: MOLECULAR GENETICS, PRINCIPLES OF DIAGNOSIS AND TREATMENT Book Series: Monographs in Human Genetics. 2011, Vol. 11, p. 28-44, MONOGRAFIA

ADCA54 HUDECOVÁ, Soňa - KRIŽANOVÁ, Ol'ga - VADASZOVA, A. - SOUKUP, Tomáš. Effect of thyroid hormones on the gene expression of calcium transport systems in rat muscles. In *Life Sciences*, 2004, vol. 75, issue 8, p. 923-931. (1.944 - IF2003). (2004 - Current Contents). ISSN 0024-3205.

Ohlasy:

[1.1] CALDERON, Juan C. - BOLANOS, Pura - CAPUTO, Carlo. Tetanic Ca^{2+} transient differences between slow- and fast-twitch mouse skeletal muscle fibres: a comprehensive experimental approach. In JOURNAL OF MUSCLE RESEARCH AND CELL MOTILITY. ISSN 0142-4319, 2014, vol. 35, no. 5-6, pp. 279., WOS

[1.2] CALDERÓN, Juan C. - CALDERÓN, Juan C. - CALDERÓN, Juan C. - BOLAÑOS, Pura - CAPUTO, Carlo. The excitation-contraction coupling mechanism in skeletal muscle. In Biophysical Reviews. ISSN 18672450, 2014-03-01, 6, 1, pp. 133-160., SCOPUS

ADCA55 HUDECOVÁ, Soňa - SEDLÁKOVÁ, Barbora - KVETŇANSKÝ, Richard - ONDRIÁŠ, Karol - KRIŽANOVÁ, Oľga. Modulation of the sodium-calcium exchanger in the rat kidney by different sequential stressors. In *Stress : the international journal on the biologie of stress*, 2010, vol. 13, iss. 1, p.15-21. (3.205 - IF2009). ISSN 1025-3890.

Ohlasy:

[1.1] BALI, Anjana - GUPTA, Sakshi - SINGH, Nirmal - JAGGI, Amteshwar Singh. 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, pp. 229., WOS

ADCA56 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 $\text{Na}^{+}/\text{Ca}^{2+}$ 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] 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

[1.1] MIYAKE, S. - WADA-TAKAHASHI, S. - HONDA, H. - TAKAHASHI, S. - SASAGURI, K. - SATO, S. - LEE, M.C.I. Stress and chewing affect blood flow and oxygen levels in the rat brain. In ARCHIVES OF ORAL BIOLOGY. ISSN 0003-9969, 2012, vol. 57, no. 11, p. 1491-1497., WOS

[1.1] XU, L. - CHEN, J. - LI, X.Y. - REN, S. - HUANG, C.X. - WU, G. - LI, X.Y. - JIANG, X.J. Analysis of $\text{Na}^{+}/\text{Ca}^{2+}$ exchanger (NCX) function and current in murine cardiac myocytes during heart failure. In MOLECULAR BIOLOGY REPORTS. ISSN 0301-4851, 2012, vol. 39, no. 4, p. 3847-3852., WOS

ADCA57 HUGHES, S. J. - FAEHLING, M. - THORNELEY, C. W. - PROKS, Peter - ASHCROFT, F. M. - SMITH, P. A. Electrophysiological and metabolic characterization of single beta-cells and islets from diabetic GK rats. In *DIABETES*, 1998, vol. 47, issue 1, p. 73-81. ISSN 0012-1797.

Ohlasy:

[1.1] ADEGHATE, Ernest - SINGH, Jaipaul. Structural changes in the myocardium during diabetes-induced cardiomyopathy. In HEART FAILURE REVIEWS. ISSN 1382-4147, 2014, vol. 19, no. 1, pp. 15., WOS

[1.1] FUJIMOTO, Shimpei - MUKAI, Eri - INAGAKI, Nobuya. Role of endogenous ROS production in impaired metabolism-secretion coupling of diabetic pancreatic beta cells. In PROGRESS IN BIOPHYSICS & MOLECULAR BIOLOGY, 2011, vol.107, no.2, 304., WOS

[1.1] CHEN, Pei-Chun - BRUEDERLE, Cathrin E. - GAISANO, Herbert Y. - SHYNG, Show-Ling. Syntaxin 1A regulates surface expression of beta-cell ATP-sensitive potassium channels. In AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY, 2011, vol.300, no.3, c506., WOS

[1.1] LI FEI - PORTERFIELD, D. Marshall - ZHENG XI-YAN - WANG WEN-JUN - XU YUE - ZHANG ZONG-MING. Abnormal mitochondrial function impairs calcium influx in diabetic mouse pancreatic beta cells. In CHINESE MEDICAL JOURNAL. ISSN 0366-6999, 2012, vol. 125, no. 3, pp. 502., WOS

[1.1] MUKAI, Eri - FUJIMOTO, Shimpei - SATO, Hiroki - ONEYAMA, Chitose - KOMINATO, Rieko - SATO, Yuichi - SASAKI, Mayumi - NISHI, Yuichi - OKADA, Masato - INAGAKI, Nobuya. Exendin-4 Suppresses Src Activation and Reactive Oxygen Species Production in Diabetic Goto-Kakizaki Rat Islets in an Epac-Dependent Manner. In DIABETES, 2011, vol.60, no.1, 218., WOS

[1.2] Fujimoto, S. Molecular mechanism of impaired metabolism-secretion coupling in diabetic pancreatic β^2 cells. In Diabetology International, 2011, vol. 2, pp. 122-126, SCOPUS

[1.2] Portha, B. - Giroix, M H. - Turrel-Cuzin, C. - Le-Stunff, H. - Movassat, J. The GK rat: A prototype for the study of non-overweight type 2 diabetes. In Methods in Molecular Biology, 2012, vol. 933, pp. 125-159, SCOPUS

ADCA58 HUI, A. - ELLINOR, P.T. - KRIŽANOVÁ, Ol'ga - WANG, J.J. - DIABOLD, R.J. - SCHWARTZ, A. Molecular-cloning of multiple subtypes of a novel rat-brain isoform of the alpha-1 subunit of the voltage-dependent calcium-channel. In *Neuron*, 1991, vol. 7, no. 1, p. 35-44. ISSN 0896-6273.

Ohlasy:

[1.1] ADAMS, Paul J. - BEN-JOHNY, Manu - DICK, Ivy E. - INOUE, Takanari - YUE, David T. Apocalmodulin Itself Promotes Ion Channel Opening and Ca^{2+} Regulation. In CELL. ISSN 0092-8674, 2014, vol. 159, no. 3, pp. 608., WOS

[1.1] BEN-JOHNY, Manu - YUE, David T. Calmodulin regulation (calmodulation) of voltage-gated calcium channels. In JOURNAL OF GENERAL PHYSIOLOGY. ISSN 0022-1295, 2014, vol. 143, no. 6, pp. 679., WOS

[1.1] KANG, Ho-Won - PARK, Jin-Yong - LEE, Jung-Ha. Molecular cloning and characterization of a hamster $\text{Ca}_v1.3$ Ca^{2+} channel variant with a long carboxyl terminus. In BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES, 2011, vol.1808, no.6, 1629., WOS

[1.1] ROSA, Juliana M. - TORREGROSA-HETLAND, Cristina J. - COLMENA, Ines - GUTIERREZ, Luis M. - GARCIA, Antonio G. - GANDIA,

Luis. Calcium entry through slow-inactivating L-type calcium channels preferentially triggers endocytosis rather than exocytosis in bovine chromaffin cells. In AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY, 2011, vol.301, no.1, c86., WOS

[1.1] TORREGROSA-HETLAND, Cristina J. - VILLANUEVA, Jose - GINER, Daniel - LOPEZ-FONT, Inmaculada - NADAL, Angel - QUESADA, Ivan - VINIEGRA, Salvador - EXPOSITO-ROMERO, Giovanna - GIL, Amparo - GONZALEZ-VELEZ, Virginia - SEGURA, Javier - GUTIERREZ, Luis M. The F-actin cortical network is a major factor influencing the organization of the secretory machinery in chromaffin cells. In JOURNAL OF CELL SCIENCE, 2011, vol.124, no.5, 727-734., WOS

[1.1] ZOU, Junhuang - LEE, Amy - YANG, Jun. The expression of whirlin and Ca(v)1.3 alpha(1) is mutually independent in photoreceptors. In VISION RESEARCH. ISSN 0042-6989, 2012, vol. 75, no., pp. 53., WOS

ADCA59 JAVORSKÝ, Martin - TKÁČ, Ivan - GAŠPERÍKOVÁ, Daniela - UKROPEC, Jozef - SEDLÁKOVÁ, Barbora - RIEČANSKÝ, Igor - ŠEBŮKOVÁ, Elena - KRIŽANOVÁ, Oľga - DOBRIKOVÁ, Martina - KLIMEŠ, Iwar. Lipoprotein lipase HindIII polymorphism influences HDL-cholesterol levels in statin-treated patients with coronary artery disease. In *Wiener klinische Wochenschrift : the middle european journal of medicine*, 2007, vol. 119, iss. 15-16, p. 476-482. (0.804 - IF2006). (2007 - Current Contents). ISSN 0043-5325.

Ohlasy:

[1.1] ADAMS, SP; TSANG, M; WRIGHT, JM.: Lipid lowering efficacy of atorvastatin. COCHRANE DATABASE OF SYSTEMATIC REVIEWS, iss. 12, 2012, Art. no. CD008226, WOS

[1.2] BANDEGI, A.R., FIROOZRAY, M., AKBARI EYDGAHI, M.R.: Association between lipoprotein lipase Hind III polymorphism and serum levels of lipids in Semnan city. JOURNAL OF KERMAN UNIVERSITY OF MEDICAL SCIENCES 19 (3), 2012, p. 233-242, SCOPUS

ADCA60 JELOKOVÁ, J. - RUSNÁK, Martin - KUBOVČÁKOVÁ, Lucia - BUCKENDAHL, P. - KRIŽANOVÁ, Oľga - SABBAN, E. L. - KVETŇANSKÝ, Richard. Stress increases gene expression of phenyl ethanol amine N-methyltransferase in spleen of rats via pituitary-adrenocortical mechanism. In *Psychoneuroendocrinology*, 2002, vol. 27, no. 5, p. 619-633. ISSN 0306-4530.

Ohlasy:

[1.1] GAVRILOVIC, Ljubica - STOJILJKOVIC, Vesna - KASAPOVIC, Jelena - PEJIC, Snezana - TODOROVIC, Ana - PAJOVIC, Snezana B. - DRONJAK, Sladjana. Forced exercise changes catecholamine synthesis in the spleen of adult rats. In JOURNAL OF NEUROIMMUNOLOGY. ISSN 0165-5728, 2012, vol. 251, no. 1-2, pp. 1., WOS

ADCA61 JOUBERT, Frederic - WILDING, James R - FORTIN, Dominique - DOMERGUE-DUPONT, Valerie - NOVOTOVÁ, Marta - VENTURA-CLAPIER, Renee - VEKSLER, Vladimir. Local energetic regulation of sarcoplasmic and myosin ATPase is differently impaired in rats with heart failure. In *Journal of Physiology*, 2008, vol. 586, iss. 21, p. 5181-5192. (4.580 - IF2007). (2008 - Current Contents). ISSN 0022-3751.

Ohlasy:

- [1.1] ABDELLATIF, Yasser - ELIMBAN, Vijayan - RODRIGUEZ-LEYVA, Delfin - DHALLA, Naranjan S. Molecular and Biochemical Characteristics of the Intracellular Ca²⁺ Handling Proteins in the Heart. In HEART RATE AND RHYTHM: MOLECULAR BASIS, PHARMACOLOGICAL MODULATION AND CLINICAL IMPLICATIONS, 2011, vol., no., pp. 323., WOS
- [1.1] CARLEY, Andrew N. - TAEGTMEYER, Heinrich - LEWANDOWSKI, E. Douglas. Matrix Revisited Mechanisms Linking Energy Substrate Metabolism to the Function of the Heart. In CIRCULATION RESEARCH. ISSN 0009-7330, 2014, vol. 114, no. 4, pp. 717., WOS
- [1.1] GONZALEZ-TENDERO, Anna - TORRE, Iratxe - GARCIA-CANADILLA, Patricia - CRISPI, Fatima - GARCIA-GARCIA, Francisco - DOPAZO, Joaquin - BIJNENS, Bart - GRATACOS, Eduard. Intrauterine growth restriction is associated with cardiac ultrastructural and gene expression changes related to the energetic metabolism in a rabbit model. In AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY. ISSN 0363-6135, 2013, vol. 305, no. 12, pp. H1752., WOS
- [1.1] LUO, Min - ANDERSON, Mark E. Mechanisms of Altered Ca²⁺ Handling in Heart Failure. In CIRCULATION RESEARCH. ISSN 0009-7330, 2013, vol. 113, no. 6, pp. 690., WOS
- [1.2] DONGAONKAR, R.M. - STEWART, R.H. - QUICK, C.M. - URAY, K.L. - COX, C.S. - LAINE, G.A. AWARD ARTICLE: Microcirculatory Society Award for Excellence in Lymphatic Research Time Course of Myocardial Interstitial Edema Resolution and Associated Left Ventricular Dysfunction. In Microcirculation, 2012, 19, 8, pp. 714-722., SCOPUS
- [1.2] LU, H. - SHEN, Y.-F. - CAO, M. - SONG, X.-W. - TANG, Y. - YANG, Y. Effects of sophoridine on cardiac function and myocardial ultrastructure of rats with myocardial infarction. In Academic Journal of Second Military Medical University, 2012, 33, 5, pp. 470-473., SCOPUS
- [1.2] VINOGRADSKAYA, I. S. - KUZNETSOVA, T. G. - SUPRUNENKO, E. A. Mitochondrial network of skeletal muscle fiber. In Moscow University Biological Sciences Bulletin. ISSN 00963925, 2014-01-01, 69, 2, pp. 57-66., SCOPUS

ADCA62 JURKOVIČOVÁ, Dana - DOBEŠOVÁ, Zdena - KUNES, Jozef - KRIŽANOVÁ, Oľga. Different expression of renin-angiotensin system components in hearts of normotensive and hypertensive rats. In *Physiological Research*, 2001, vol. 50, issue 1, p. 35-42. (1.366 - IF2000). (2001 - Current Contents). ISSN 0862-8408.

Ohlasy:

- [1.1] ZHU, Jiang - NING, Ruo-Bing - LIN, Xiao-Yan - CHAI, Da-Jun - XU, Chang-Sheng - XIE, Hong - ZENG, Jin-Zhang - LIN, Jin-Xiu. Retinoid X Receptor Agonists Inhibit Hypertension-Induced Myocardial Hypertrophy by Modulating LKB1/AMPK/p70S6K Signaling Pathway. In AMERICAN JOURNAL OF HYPERTENSION. ISSN 0895-7061, 2014, vol. 27, no. 8, pp. 1112., WOS
- [1.2] HERICHOVÁ, Iveta - SZÁNTÓOVÁ, Kristína. Renin-angiotensin system: Upgrade of recent knowledge and perspectives. In Endocrine Regulations. ISSN 12100668, 2013-03-27, 47, 1, pp. 39-52., SCOPUS

ADCA63 JURKOVIČOVÁ, Dana - SEDLÁKOVÁ, Barbora - LACINOVÁ, Ľubica - KOPÁČEK, Juraj - SULOVA, Zdena - SEDLÁK, Ján - KRIŽANOVÁ, Oľga. Hypoxia Differently Modulates Gene Expression of Inositol 1,4,5-Trisphosphate Receptors in Mouse Kidney and HEK 293 Cell Line. In *Stress, Neurotransmitters and hormones: Neuroendocrine and genetic mechanisms Book of Series: Annals of the New York Academy of Sciences*, 2008, vol. 1148, p. 421- 427. (1.731 - IF2007). (2008 - Current Contents). ISSN 0077-8923.

Ohlasy:

[1.1] Keshewani, Varun; Agrawal, Sandeep K. Regulation of Inositol 1,4,5-trisphosphate receptor, type 1 (IP3R1) in hypoxic/reperfusion injury of white matter NEUROLOGICAL RESEARCH Volume: 34 Issue: 5 Pages: 504-511 DOI: 10.1179/1743132812Y.0000000038 Published: JUN 2012, WOS

[1.1] MESSAI, Yosra - NOMAN, Muhammad Zaeem - HASMIM, Meriem - JANJI, Bassam - TITTARELLI, Andres - BOUTET, Marie - BAUD, Veronique - VIRY, Elodie - BILLOT, Katy - NANBAKSH, Arash - BEN SAFTA, Thouraya - RICHON, Catherine - FERLICOT, Sophie - DONNADIEU, Emmanuel - COUVE, Sophie - GARDIE, Betty - ORLANDUCCI, Florence - ALBIGES, Laurence - THIERY, Jerome - OLIVE, Daniel - ESCUDIER, Bernard - CHOUAIB, Salem. ITPR1 Protects Renal Cancer Cells against Natural Killer Cells by Inducing Autophagy. In CANCER RESEARCH. ISSN 0008-5472, 2014, vol. 74, no. 23, pp. 6820., WOS

[1.1] Wang, YR (Wang, Yu-rong)1; Li, ZG (Li, Zhen-guo)1; Fu, JL (Fu, Jin-long)1; Wang, ZH (Wang, Zhao-Han)1; Wen, Y (Wen, Ying)1; Liu, P (Liu, Pei)1 TNF alpha-induced IP(3)R1 expression through TNFR1/PC-PLC/PKC alpha and TNFR2 signalling pathways in human mesangial cell NEPHROLOGY DIALYSIS TRANSPLANTATION Volume: 26 Issue: 1 Pages: 75-83 DOI: 10.1093/ndt/gfq406 Published: JAN 2011, WOS

[1.2] Wang, Y., Li, Y., Lu, R., Sun, H. Effects of Sp1 on IP3R1 protein expression in human mesangial cells Chinese Journal of Microbiology and Immunology (China) 34, (7), p. 534 - 540, 2014, SCOPUS

ADCA64 JURKOVIČOVÁ, Dana - KOPÁČEK, Juraj - ŠTEFÁNIK, Peter - KUBOVČÁKOVÁ, Lucia - ZAHRADNÍKOVÁ, Alexandra, ml. - ZAHRADNÍKOVÁ, Alexandra - PASTOREKOVÁ, Silvia - KRIŽANOVÁ, Oľga. Hypoxia modulates gene expression of IP3 receptors in rodent cerebellum. In *Pflugers Archiv-European Journal of Physiology*, 2007, vol. 454, no. 3, p. 415-425. (4.807 - IF2006). (2007 - Current Contents). ISSN 0031-6768.

Ohlasy:

[1.1] Fleiss, B (Fleiss, B.)1; Coleman, HA (Coleman, H. A.)1; Castillo-Melendez, M (Castillo-Melendez, M.)1; Ireland, Z (Ireland, Z.)1; Walker, DW (Walker, D. W.)1; Parkinson, HC (Parkington, H. C.)1 Effects of birth asphyxia on neonatal hippocampal structure and function in the spiny mouse INTERNATIONAL JOURNAL OF DEVELOPMENTAL NEUROSCIENCE Volume: 29 Issue: 7 Pages: 757-766 DOI: 10.1016/j.ijdevneu.2011.05.006 Published: NOV 2011, WOS

[1.1] Fleiss, B (Fleiss, Bobbi)[1] ; Parkinson, HC (Parkington, Helena C.)[1] ; Coleman, HA (Coleman, Harold A.)[1] ; Dickinson, H (Dickinson, Hayley)[1] ; Yawno, T (Yawno, Tamara)[1] ; Castillo-Melendez, M

(Castillo-Melendez, Margie)[1] ; Hirst, JJ (Hirst, Jon J.)[1] ; Walker, DW (Walker, David W.)[1] Effect of maternal administration of allopregnanolone before birth asphyxia on neonatal hippocampal function in the spiny mouse
 BRAIN RESEARCH Volume: 1433 Pages: 9-19 DOI: 10.1016/j.brainres.2011.11.035 Published: JAN 18 2012, WOS
 [1.1] GUO, Zhao-Hui - LI, Feng - ZHU, Yan-Mei - FU, Jin - YANG, Ming - SAN, Zhi-Yong - WANG, Wei-Zhi. The 12-kDa FK506-binding Protein Involvement in Neuroprotection Provided by Dantrolene in Ischemic/Reperfused Rat Cerebral Cortex. In CESKA A SLOVENSKA NEUROLOGIE A NEUROCHIRURGIE, 2011, vol.74, no.1, 49., WOS
 [1.1] Lichvarova, L (Lichvarova, Lucia)[1] ; Jaskova, K (Jaskova, Katarina)[1] ; Lacinova, L (Lacinova, Lubica)[1] NGF-induced neurite outgrowth in PC12 cells is independent of calcium entry through L-type calcium channels GENERAL PHYSIOLOGY AND BIOPHYSICS Volume: 31 Issue: 4 Pages: 473-478 DOI: 10.4149/gpb_2012_054 Published: DEC 2012, WOS

ADCA65 KAASIK, A. - VEKSLER, V. - BOEHM, E. - NOVOTOVÁ, Marta - MINAJEVA, A. - VENTURA-CLAPIER, R. Energetic crosstalk between organelles - Architectural integration of energy production and utilization. In *Circulation research*, 2001, vol. 89, iss. 2, p. 153-159. (9.193 - IF2000). (2001 - Current Contents). ISSN 0009-7330.

Ohlasy:

- [1.1] AGNETTI, Giulio - HUSBERG, Cathrine - VAN EYK, Jennifer E. Divide and Conquer The Application of Organelle Proteomics to Heart Failure. In CIRCULATION RESEARCH, 2011, vol.108, no.4, 512., WOS
- [1.1] AKKI, Ashwin - GUPTA, Ashish - WEISS, Robert G. Magnetic resonance imaging and spectroscopy of the murine cardiovascular system. In AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY. ISSN 0363-6135, 2013, vol. 304, no. 5, pp. H633., WOS
- [1.1] ALEKSEEV, Alexey E. - REYES, Santiago - SELIVANOV, Vitaly A. - DZEJA, Petras P. - TERZIC, Andre. Compartmentation of membrane processes and nucleotide dynamics in diffusion-restricted cardiac cell microenvironment. In JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY. ISSN 0022-2828, 2012, vol. 52, no. 2, pp. 401., WOS
- [1.1] ALIEV, Mayis K. - TIKHONOV, Alexander N. Obstructed metabolite diffusion within skeletal muscle cells in silico. In MOLECULAR AND CELLULAR BIOCHEMISTRY, 2011, vol.358, no.1-2, 105., WOS
- [1.1] ANMANN, Tiia - VARIKMAA, Minna - TIMOHHINA, Natalja - TEPP, Kersti - SHEVCHUK, Igor - CHEKULAYEV, Vladimir - SAKS, Valdur - KAAMBRE, Tuuli. Formation of highly organized intracellular structure and energy metabolism in cardiac muscle cells during postnatal development of rat heart. In BIOCHIMICA ET BIOPHYSICA ACTA-BIOENERGETICS. ISSN 0005-2728, 2014, vol. 1837, no. 8, pp. 1350., WOS
- [1.1] BIRKEDAL, Rikke - LAASMAA, Martin - VENDELIN, Marko. The location of energetic compartments affects energetic communication in cardiomyocytes. In FRONTIERS IN PHYSIOLOGY. ISSN 1664-042X, 2014, vol. 5, no., pp., WOS
- [1.1] BONORA, Massimo - PATERGNANI, Simone - RIMESSI, Alessandro - DE MARCHI, Elena - SUSKI, Jan M. - BONONI, Angela - GIORGI, Carlotta -

MARCHI, Saverio - MISSIROLI, Sonia - POLETTI, Federica - WIECKOWSKI, Mariusz R. - PINTON, Paolo. ATP synthesis and storage. In PURINERGIC SIGNALLING. ISSN 1573-9538, 2012, vol. 8, no. 3, pp. 343., WOS

[1.1] BRANOVETS, Jelena - SEPP, Mervi - KOTLYAROVA, Svetlana - JEPIHHINA, Natalja - SOKOLOVA, Niina - AKSENTIJEVIC, Dunja - LYGATE, Craig A. - NEUBAUER, Stefan - VENDELIN, Marko - BIRKEDAL, Rikke. Unchanged mitochondrial organization and compartmentation of high-energy phosphates in creatine-deficient GAMT(-/-) mouse hearts. In AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY. ISSN 0363-6135, 2013, vol. 305, no. 4, pp. H506., WOS

[1.1] CARLEY, Andrew N. - TAEGTMEYER, Heinrich - LEWANDOWSKI, E. Douglas. Matrix Revisited Mechanisms Linking Energy Substrate Metabolism to the Function of the Heart. In CIRCULATION RESEARCH. ISSN 0009-7330, 2014, vol. 114, no. 4, pp. 717., WOS

[1.1] DIGUET, Nicolas - MALLAT, Youssef - LADOUCE, Romain - CLODIC, Gilles - PROLA, Alexandre - TRITSCH, Eva - BLANC, Jocelyne - LARCHER, Jean-Christophe - DELCAYRE, Claude - SAMUEL, Jane-Lise - FRIGUET, Bertrand - BOLBACH, Gerard - LI, Zhenlin - MERICKSKAY, Mathias. Muscle Creatine Kinase Deficiency Triggers Both Actin Depolymerization and Desmin Disorganization by Advanced Glycation End Products in Dilated Cardiomyopathy. In JOURNAL OF BIOLOGICAL CHEMISTRY, 2011, vol.286, no.40, 35007., WOS

[1.1] GAUTHIER, Laura D. - GREENSTEIN, Joseph L. - O&APOS;ROURKE, Brian - WINSLOW, Raimond L. An Integrated Mitochondrial ROS Production and Scavenging Model: Implications for Heart Failure. In BIOPHYSICAL JOURNAL. ISSN 0006-3495, 2013, vol. 105, no. 12, pp. 2832., WOS

[1.1] GOMEZ, Luis A. - HEATH, Shi-Hua D. - HAGEN, Tory M. Acetyl-L-carnitine supplementation reverses the age-related decline in carnitine palmitoyltransferase 1 (CPT1) activity in interfibrillar mitochondria without changing the L-carnitine content in the rat heart. In MECHANISMS OF AGEING AND DEVELOPMENT. ISSN 0047-6374, 2012, vol. 133, no. 2-3, pp. 99., WOS

[1.1] GUPTA, Ashish - AKKI, Ashwin - WANG, Yibin - LEPPA, Michelle K. - CHACKO, V. P. - FOSTER, D. Brian - CACERES, Viviane - SHI, Sa - KIRK, Jonathan A. - SU, Jason - LAI, Shenghan - PAOLOCCI, Nazareno - STEENBERGEN, Charles - GERSTENBLITH, Gary - WEISS, Robert G. Creatine kinase-mediated improvement of function in failing mouse hearts provides causal evidence the failing heart is energy starved. In JOURNAL OF CLINICAL INVESTIGATION. ISSN 0021-9738, 2012, vol. 122, no. 1, pp. 291., WOS

[1.1] HATANO, Asuka - OKADA, Jun-ichi - WASHIO, Takumi - HISADA, Toshiaki - SUGIURA, Seiryu. A Three-Dimensional Simulation Model of Cardiomyocyte Integrating Excitation-Contraction Coupling and Metabolism. In BIOPHYSICAL JOURNAL, 2011, vol.101, no.11, 2601., WOS

[1.1] HOLLANDER, John M. - THAPA, Dharendra - SHEPHERD, Danielle L. Physiological and structural differences in spatially distinct subpopulations of cardiac mitochondria: influence of cardiac pathologies. In AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY. ISSN 0363-6135, 2014, vol. 307, no. 1, pp. H1., WOS

- [1.1] ILLASTE, Ardo - LAASMAA, Martin - PETERSON, Pearu - VENDELIN, Marko. Analysis of Molecular Movement Reveals Lattice like Obstructions to Diffusion in Heart Muscle Cells. In BIOPHYSICAL JOURNAL. ISSN 0006-3495, 2012, vol. 102, no. 4, pp. 739., WOS
- [1.1] KARO, Jaanus - PETERSON, Pearu - VENDELIN, Marko. Molecular Dynamics Simulations of Creatine Kinase and Adenine Nucleotide Translocase in Mitochondrial Membrane Patch. In JOURNAL OF BIOLOGICAL CHEMISTRY. ISSN 0021-9258, 2012, vol. 287, no. 10, pp. 7467., WOS
- [1.1] LAYEC, G. - HASELER, L. J. - HOFF, J. - HART, C. R. - LIU, X. - LE FUR, Y. - JEONG, E.K. - RICHARDSON, R. S. Short-term training alters the control of mitochondrial respiration rate before maximal oxidative ATP synthesis. In ACTA PHYSIOLOGICA. ISSN 1748-1708, 2013, vol. 208, no. 4, pp. 376., WOS
- [1.1] LIU, Bing - FAN, Jieqiong - ZHANG, Yang - MU, Peiqiang - WANG, Peng - SU, Jianbin - LAI, Huihuang - LI, Shaowu - FENG, Dongru - WANG, Jinfa - WANG, Hongbin. OsPFA-DSP1, a rice protein tyrosine phosphatase, negatively regulates drought stress responses in transgenic tobacco and rice plants. In PLANT CELL REPORTS. ISSN 0721-7714, 2012, vol. 31, no. 6, pp. 1021., WOS
- [1.1] LYGATE, Craig A. - MEDWAY, Debra J. - OSTROWSKI, Philip J. - AKSENTIJEVIC, Dunja - SEBAG-MONTEFIORE, Liam - HUNYOR, Imre - ZERVOU, Sevasti - SCHNEIDER, Jurgen E. - NEUBAUER, Stefan. Chronic creatine kinase deficiency eventually leads to congestive heart failure, but severity is dependent on genetic background, gender and age. In BASIC RESEARCH IN CARDIOLOGY. ISSN 0300-8428, 2012, vol. 107, no. 5, pp., WOS
- [1.1] PICARD, Martin - HEPPLER, Russell T. - BURELLE, Yan. Mitochondrial functional specialization in glycolytic and oxidative muscle fibers: tailoring the organelle for optimal function. In AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY. ISSN 0363-6143, 2012, vol. 302, no. 4, pp. C629., WOS
- [1.1] ROSCA, Mariana G. - HOPPEL, Charles L. Mitochondrial dysfunction in heart failure. In HEART FAILURE REVIEWS. ISSN 1382-4147, 2013, vol. 18, no. 5, pp. 607., WOS
- [1.1] SANTACRUZ, Lucia - HERNANDEZ, Alejandro - NIENABER, Jeffrey - MISHRA, Rajashree - PINILLA, Miguel - BURCHETTE, James - MAO, Lan - ROCKMAN, Howard A. - JACOBS, Danny O. Normal cardiac function in mice with supraphysiological cardiac creatine levels. In AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY. ISSN 0363-6135, 2014, vol. 306, no. 3, pp. H373., WOS
- [1.1] SEPP, Mervi - SOKOLOVA, Niina - JUGAI, Svetlana - MANDEL, Merle - PETERSON, Pearu - VENDELIN, Marko. Tight Coupling of Na⁺/K⁺-ATPase with Glycolysis Demonstrated in Permeabilized Rat Cardiomyocytes. In PLOS ONE. ISSN 1932-6203, 2014, vol. 9, no. 6, pp., WOS
- [1.1] SCHRYER, David W. - PETERSON, Pearu - ILLASTE, Ardo - VENDELIN, Marko. Sensitivity Analysis of Flux Determination in Heart by H-2 O-18 provided Labeling Using a Dynamic Isotopologue Model of Energy Transfer Pathways. In PLOS COMPUTATIONAL BIOLOGY. ISSN 1553-7358, 2012, vol. 8, no. 12, pp., WOS
- [1.1] SCHRYER, David W. - VENDELIN, Marko - PETERSON, Pearu.

- Symbolic flux analysis for genome-scale metabolic networks. In BMC SYSTEMS BIOLOGY, 2011, vol.5, no., WOS
- [1.1] SIDDIQI, N. - SINGH, S. - BEADLE, R. - DAWSON, D. - FRENNEAUX, M. Cardiac metabolism in hypertrophy and heart failure: implications for therapy. In HEART FAILURE REVIEWS. ISSN 1382-4147, 2013, vol. 18, no. 5, pp. 595., WOS
- [1.1] TEPP, Kersti - MADO, Kati - VARIKMAA, Minna - KLEPININ, Aleksandr - TIMOHHINA, Natalja - SHEVCHUK, Igor - CHEKULAYEV, Vladimir - KUZNETSOV, Andrey V. - GUZUN, Rita - KAAMBRE, Tuuli. The role of tubulin in the mitochondrial metabolism and arrangement in muscle cells. In JOURNAL OF BIOENERGETICS AND BIOMEMBRANES. ISSN 0145-479X, 2014, vol. 46, no. 5, pp. 421., WOS
- [1.1] TURER, Asian T. Using metabolomics to assess myocardial metabolism and energetics in heart failure. In JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY. ISSN 0022-2828, 2013, vol. 55, no., pp. 12., WOS
- [1.1] ZHANG, Bodi - ALYSANDRATOS, Konstantinos-Dionysios - ANGELIDOU, Asimena - ASADI, Shahrzad - SISMANOPOULOS, Nikolaos - DELIVANIS, Danae-Anastasia - WENG, Zuyi - MINIATI, Alexandra - VASIADI, Magdalini - KATSAROU-KATSARI, Alexandra - MIAO, Benchun - LEEMAN, Susan E. - KALOGEROMITROS, Dimitrios - THEOHARIDES, Theoharis C. Human mast cell degranulation and preformed TNF secretion require mitochondrial translocation to exocytosis sites: Relevance to atopic dermatitis. In JOURNAL OF ALLERGY AND CLINICAL IMMUNOLOGY, 2011, vol.127, no.6, 1522., WOS
- [1.2] KUZNETSOV, Andrey V. - JAVADOV, Sabzali A. - GUZUN, Rita G. - GRIMM, Michael - SAKS, Valdur A. Cytoskeleton and regulation of mitochondrial function: The role of beta-tubulin II. In Frontiers in Physiology, 2013-09-17, 4 APR, pp., SCOPUS

ADCA66 KAASIK, A. - VEKSLER, V. - BOEHM, E. - NOVOTOVÁ, Marta - VENTURA-CLAPIER, R. From energy store to energy flux: a study in creatine kinase deficient fast skeletal muscle. In *Faseb Journal*, 2003, vol. 17, iss. 2, p. 708-710. (7.252 - IF2002). (2003 - Current Contents). ISSN 0892-6638.

Ohlasy:

- [1.1] OUDMAN, Inge - CLARK, Joseph F. - BREWSTER, Lizzy M. The Effect of the Creatine Analogue Beta-guanidinopropionic Acid on Energy Metabolism: A Systematic Review. In PLOS ONE. ISSN 1932-6203, 2013, vol. 8, no. 1, pp., WOS
- [1.1] WALLIMANN, Theo - TOKARSKA-SCHLATTNER, Malgorzata - SCHLATTNER, Uwe. The creatine kinase system and pleiotropic effects of creatine. In AMINO ACIDS, 2011, vol.40, no.5, 1271., WOS
- [1.2] PICARD, M. - HEPPLER, R.T. - BURELLE, Y. Mitochondrial functional specialization in glycolytic and oxidative muscle fibers: Tailoring the organelle for optimal function. In American Journal of Physiology Cell Physiology, 2012, 302, 4, pp. C629-C641., SCOPUS

ADCA67 KÁDAŠI, Ľudevít - POLÁKOVÁ, Helena - FERÁKOVÁ, E. - HUDECOVÁ, Soňa - BOHUSOVA, T. - SZOMOLAYOVA, I. - STRNOVA, J. - HRUŠKOVIČ, Ivan - MOSCHONAS, N.K. - FERÁK, Vladimír. PKU in Slovakia -Mutation

Screening and Haplotype analysis. In *Human Genetics*, 1995, vol. 95, no. 1, p. 112-114. ISSN 0340-6717.

Ohlasy:

[1.1] BIK-MULTANOWSKI, Mirosław - KALUZNY, Łukasz - MOZRZYMAS, Renata - OLTARZEWSKI, Mariusz - STAROSTECKA, Ewa - LANGE, Agata - DIDYCZ, Bożena - GIZEWSKA, Maria - ULEWICZ-FILIPOWICZ, Jolanta - CHROBOT, Agnieszka - MIKOLUC, Bożena - SZYMCZAKIEWICZ-MULTANOWSKA, Agnieszka - CICHY, Wojciech - PIETRZYK, Jacek J. Molecular genetics of PKU in Poland and potential impact of mutations on BH4 responsiveness. In *ACTA BIOCHIMICA POLONICA*. ISSN 0001-527X, 2013, vol. 60, no. 4, pp. 613., WOS

[1.1] STERL, Elisabeth - PAUL, Karl - PASCHKE, Eduard - ZSCHOCKE, Johannes - BRUNNER-KRAINZ, Michaela - WINDISCH, Eva - KONSTANTOPOULOU, Vassiliki - MOESLINGER, Dorothea - KARALL, Daniela - SCHOLL-BUERGI, Sabine - SPERL, Wolfgang - LAGLER, Florian - PLECKO, Barbara. Prevalence of tetrahydrobiopterine (BH4)-responsive alleles among Austrian patients with PAH deficiency: comprehensive results from molecular analysis in 147 patients. In *JOURNAL OF INHERITED METABOLIC DISEASE*. ISSN 0141-8955, 2013, vol. 36, no. 1, pp. 7., WOS

ADCA68 KAPLÁN, Peter - JURKOVIČOVÁ, Dana - BABUŠÍKOVÁ, Eva - HUDECOVÁ, Soňa - RACAY, P. - SIROVA, Marta - LEHOTSKÝ, Ján - DRGOVA, A. - KRIŽANOVÁ, Oľga. Effect of aging on the expression of intracellular Ca²⁺ transport proteins in a rat heart. In *Molecular and Cellular Biochemistry*, 2007, vol. 301, issue 1 - 2, p. 219-226. (1.862 - IF2006). (2007 - Current Contents). ISSN 0300-8177.

Ohlasy:

[1.1] DUPONT, S. - MAIZEL, J. - MENTAVERRI, R. - CHILLON, J.M. - SIX, I. - GIUMMELLY, P. - BRAZIER, M. - CHOUKROUN, G. - TRIBOUILLOY, C. - MASSY, Z. A. - SLAMA, M. The onset of left ventricular diastolic dysfunction in SHR rats is not related to hypertrophy or hypertension. In *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*. ISSN 0363-6135, 2012, vol. 302, no. 7, pp. H1524., WOS

[1.1] ZARAIN-HERZBERG, Angel - GARCIA-RIVAS, Gerardo - ESTRADA-AVILES, Rafael. Regulation of SERCA pumps expression in diabetes. In *CELL CALCIUM*. ISSN 0143-4160, 2014, vol. 56, no. 5, pp. 302., WOS

[1.1] ZARAIN-HERZBERG, Angel - ESTRADA-AVILES, Rafael - FRAGOSO-MEDINA, Jorge. Regulation of sarco(endo)plasmic reticulum Ca²⁺-ATPase and calsequestrin gene expression in the heart. In *CANADIAN JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY*. ISSN 0008-4212, 2012, vol. 90, no. 8, pp. 1017., WOS

ADCA69 KARMAŽÍNOVÁ, Mária - BEYL, Stanislav - STARY, A. - SUWATTANASOPHON, Ch. - KLUGBAUER, Norbert - HERING, S. - LACINOVÁ, Lubica. Cysteines in the loop between IS5 and the pore helix of Ca(V)_{3.1} are essential for channel gating. In *Pflugers Archiv-European Journal of Physiology*, 2010, vol. 460, no. 6, p. 1015-1028. (3.695 - IF2009). (2010 - Current Contents). ISSN 0031-6768.

Ohlasy:

- [1.1] BOYCOTT, Hannah E. - DALLAS, Mark L. - ELIES, Jacobo - PETTINGER, Louisa - BOYLE, John P. - SCRAGG, Jason L. - GAMPER, Nikita - PEERS, Chris. Carbon monoxide inhibition of Cav3.2 T-type Ca²⁺ channels reveals tonic modulation by thioredoxin. In *FASEB JOURNAL*. ISSN 0892-6638, 2013, vol. 27, no. 8, pp. 3395., WOS
- [1.1] DEMERS-GIROUX, Pierre-Olivier - BOURDIN, Benoit - SAUVE, Remy - PARENT, Lucie. Cooperative Activation of the T-type Ca(V)_{3.2} Channel INTERACTION BETWEEN DOMAINS II AND III. In *JOURNAL OF BIOLOGICAL CHEMISTRY*. ISSN 0021-9258, 2013, vol. 288, no. 41, pp. 29281., WOS
- [1.1] LEE, S.S. - KANG, H.W. - PARK, J.Y. - LEE, J.H. DTNB oxidation effects on T-type Ca²⁺ channel isoforms. In *ANIMAL CELLS AND SYSTEMS*. ISSN 1976-8354, JUN 2011, vol. 15, no. 2, p. 131-138., WOS
- [1.1] PEERS, Chris - BAUER, Claudia C. - BOYLE, John P. - SCRAGG, Jason L. - DALLAS, Mark L. Modulation of Ion Channels by Hydrogen Sulfide. In *ANTIOXIDANTS & REDOX SIGNALING*. ISSN 1523-0864, 2012, vol. 17, no. 1, pp. 95., WOS
- [1.1] STRANDBERG, Linn S. - CUI, Xuezhong - RATH, Arianna - LIU, Jie - SILVERMAN, Earl D. - LIU, Xiaoru - SIRAGAM, Vinayakumar - ACKERLEY, Cameron - BIN SU, Brenda - YAN, Jane Yuqing - CAPECCHI, Marco - BIAVATI, Luca - ACCORRONI, Alice - YUEN, William - QUATTRONE, Filippo - LUNG, Calvin - JAEGGI, Edgar T. - BACKX, Peter H. - DEBER, Charles M. - HAMILTON, Robert M. Congenital Heart Block Maternal Sera Autoantibodies Target an Extracellular Epitope on the α 1G T-Type Calcium Channel in Human Fetal Hearts. In *PLOS ONE*. ISSN 1932-6203, 2013, vol. 8, no. 9, pp., WOS
- [1.2] AKBARALI, Hamid I. Oxidative stress and ion channels. In *Systems Biology of Free Radicals and Antioxidants*, 2012-05-01, pp. 355-373., SCOPUS

ADCA70 DRÍGELOVÁ, Mária - TARABOVÁ, Bohumila - DUBURS, G. - LACINOVÁ, Ľubica. Dihydropyridine analogue cerebrocrast blocks both T-type and L-type calcium currents. In *Canadian Journal of Physiology and Pharmacology*, 2009, vol. 87, p. 915-922. (1.763 - IF2008). (2009 - Current Contents). ISSN 0008-4212.

Ohlasy:

- [1.1] FANCHAOUY, Mohammed - CUBANO, Luis - MALDONADO, Hector - BYCHKOV, Rostislav. PKC independent inhibition of voltage gated calcium channels by volatile anesthetics in freshly isolated vascular myocytes from the aorta. In *CELL CALCIUM*. ISSN 0143-4160, 2013, vol. 54, no. 4, pp. 257., WOS
- [1.1] IOAN, P. - CAROSATI, E. - MICUCCI, M. - CRUCIANI, G. - BROCCATELLI, F. - ZHOROV, B. S. - CHIARINI, A. - BUDRIESI, R. 1,4-Dihydropyridine Scaffold in Medicinal Chemistry, The Story so Far And Perspectives (Part 1): Action in Ion Channels and GPCRs. In *CURRENT MEDICINAL CHEMISTRY*, 2011, vol.18, no.32, 4901., WOS

ADCA71 KARMAŽÍNOVÁ, Mária - LACINOVÁ, Ľubica. Measurement of Cellular Excitability by Whole Cell Patch Clamp Technique. In *Physiological Research*, 2010, vol. 59, p. 1-7. (1.430 - IF2009). (2010 - Current Contents). ISSN 0862-8408.

Ohlasy:

[1.1] BEBAROVA, Marketa. Advances in patch clamp technique: towards higher quality and quantity. In GENERAL PHYSIOLOGY AND BIOPHYSICS. ISSN 0231-5882, 2012, vol. 31, no. 2, pp. 131., WOS

[1.1] BREITENKAMP, Alexandra F. S. - MATTHES, Jan - NASS, Robert Daniel - SINZIG, Judith - LEHMKUHL, Gerd - NUERNBERG, Peter - HERZIG, Stefan. Rare Mutations of CACNB2 Found in Autism Spectrum Disease-Affected Families Alter Calcium Channel Function. In PLOS ONE. ISSN 1932-6203, 2014, vol. 9, no. 4, pp., WOS

[1.1] HLINKA, D. - KALÁTOVA, B. - UHRINOVA, I. - DOLINSKA, S. - RUTAROVA, J. - REZACOVA, J. - LAZAROVSKA, S. - DUDAS, M. Time-Lapse Cleavage Rating Predicts Human Embryo Viability. In PHYSIOLOGICAL RESEARCH. ISSN 0862-8408, 2012, vol. 61, no. 5, pp. 513., WOS

[1.1] LIU, Changle - FU, Huaying - LI, Jian - YANG, Wansong - CHENG, Lijun - LIU, Tong - LI, Guangping. Hyperglycemia aggravates atrial interstitial fibrosis, ionic remodeling and vulnerability to atrial fibrillation in diabetic rabbits. In ANADOLU KARDIOLOJİ DERGİSİ-THE ANATOLIAN JOURNAL OF CARDIOLOGY. ISSN 1302-8723, 2012, vol. 12, no. 7, pp. 543., WOS

[1.1] MUGNAI, P. - DURANTE, M. - SGARAGLI, G. - SAPONARA, S. - PALIURI, G. - BOVA, S. - FUSI, F. L-type Ca²⁺ channel current characteristics are preserved in rat tail artery myocytes after one-day storage. In ACTA PHYSIOLOGICA. ISSN 1748-1708, 2014, vol. 211, no. 2, pp. 334., WOS

[1.1] SONG, Shuishan - JIA, Zhenhua - XU, Jinze - ZHANG, Zhe - BIAN, Zirui. N-butyl-L-homoserine lactone, a bacterial quorum-sensing signaling molecule, induces intracellular calcium elevation in Arabidopsis root cells. In BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, 2011, vol. 414, no. 2, pp. 355., WOS

[1.1] ZHANG, D. Patch Clamp: A Powerful Technique for Studying the Mechanism of Acupuncture. In EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE. ISSN 1741-427X, 2012, vol., no., pp., WOS

[1.2] HASSAN, M. - BUSHRA, N. - HAQ, I. - AHMED, F. Detection and processing of full channel ionic current through indigenized Patch Clamp Technique. In 2011 1st Middle East Conference on Biomedical Engineering, MECBME 2011, 2011-06-07, pp. 386-391., SCOPUS

ADCA72 KARMAŽÍNOVÁ, Mária - BAUMGART, J.P. - PEREZ-REYES, Edward - LACINOVÁ, Ľubica. The voltage dependence of gating currents of the neuronal CA(V)_{3.3} channel is determined by the gating brake in the I-II loop. In *Pflügers Archiv-European Journal of Physiology*, 2011, vol. 461, no. 4, pp. 461-468. (3.354 - IF2010). (2011 - Current Contents). ISSN 0031-6768.

Ohlasy:

[1.1] DEMERS-GIROUX, P.O. - BOURDIN, B. - SAUVE, R. - PARENT, L. Cooperative Activation of the T-type Ca(V)_{3.2} Channel interaction between domains II and III. IN JOURNAL OF BIOLOGICAL CHEMISTRY. 2013, vol. 288, iss. 41, pp. 29281-29293, WOS

[1.1] HE BING-JUN - HU FEN - SHANG XUE-LIANG - HAN LI-XIN - WU GUANG-YAN - LI JUN-YING - SUN JIN-SHENG. Molecular Regions Determining The Voltage-dependence of Inactivation for T-type Calcium

Channel Ca(v)3.1. In PROGRESS IN BIOCHEMISTRY AND BIOPHYSICS. ISSN 1000-3282, 2014, vol. 41, no. 9, pp. 877., WOS

[1.1] LIEB, Andreas - ORTNER, Nadine - STRIESSNIG, Joerg. C-Terminal Modulatory Domain Controls Coupling of Voltage-Sensing to Pore Opening in Ca(v)1.3 L-type Ca²⁺ Channels. In BIOPHYSICAL JOURNAL. ISSN 0006-3495, 2014, vol. 106, no. 7, pp. 1467., WOS

[1.2] SENATORE, Adriano - ZHOROV, Boris S. - SPAFFORD, J. David. Cav3 T-type calcium channels. In Wiley Interdisciplinary Reviews: Membrane Transport and Signaling. ISSN 2190460X, 2012-07-01, 1, 4, pp. 467-491., SCOPUS

ADCA73 KISUCKÁ, Alexandra - SCHREIBEROVÁ, Andrea - KOLESÁR, Dalibor - HRICOVÁ, Ludmila - KRÍŽANOVÁ, Olga - LUKÁČOVÁ, Nadežda. Spinal Cord Transection Significantly Influences nNOS-IR in Neuronal Circuitry that Underlies the Tail-Flick Reflex Activity. In *Cellular and Molecular Neurobiology*, 2009, vol. 29, no. 6-7, p. 879-886. (2.550 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0272-4340.

Ohlasy:

[1.1] GATTA, Luisa - PISCITELLI, Fabiana - GIORDANO, Catia - BOCELLA, Serena - LICHTMAN, Aron - MAIONE, Sabatino - DI MARZO, Vincenzo. Discovery of Prostamide F-2 alpha and Its Role in Inflammatory Pain and Dorsal Horn Nociceptive Neuron Hyperexcitability. In PLOS ONE. ISSN 1932-6203, FEB 21 2012, vol. 7, no. 2., WOS

[1.1] LEE, Dae Hwan - AHN, Ji Hyeon - PARK, Joon Ha - YAN, Bing Chun - CHO, Jeong-Hwi - KIM, In Hye - LEE, Jae-Chul - JANG, Sang-Hun - LEE, Myoung Hyo - HWANG, In Koo - MOON, Seung Myung - LEE, Bonghee - CHO, Jun Hwi - SHIN, Hyung-Cheul - KIM, Jin Sang - WON, Moo-Ho. Comparison of Expression of Inflammatory Cytokines in the Spinal Cord Between Young Adult and Aged Beagle Dogs. In CELLULAR AND MOLECULAR NEUROBIOLOGY. ISSN 0272-4340, JUL 2013, vol. 33, no. 5, p. 615-624., WOS

ADCA74 KLUGBAUER, N. - DAI, S. P. - SPECHT, V. - LACINOVÁ, Lúbia - MARAIS, E. - BOHN, G. - HOFMANN, F. A family of gamma-like calcium channel subunits. In *FEBS Letters*, 2000, vol. 470, iss. 2, p. 189-197. ISSN 0014-5793.

Ohlasy:

[1.1] BEST, Jabe M. - KAMP, Timothy J. Different subcellular populations of L-type Ca²⁺ channels exhibit unique regulation and functional roles in cardiomyocytes. In JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY. ISSN 0022-2828, 2012, vol. 52, no. 2, pp. 376., WOS

[1.1] CATTERALL, William A. Voltage-Gated Calcium Channels. In COLD SPRING HARBOR PERSPECTIVES IN BIOLOGY, 2011, vol.3, no.8., WOS

[1.1] DRUMMOND, Jana B. - TUCHOLSKI, Janusz - HAROUTUNIAN, Vahram - MEADOR-WOODRUFF, James H. Transmembrane AMPA receptor regulatory protein (TARP) dysregulation in anterior cingulate cortex in schizophrenia. In SCHIZOPHRENIA RESEARCH. ISSN 0920-9964, 2013, vol. 147, no. 1, pp. 32., WOS

[1.1] FERRARIO, Carrie R. - LOWETH, Jessica A. - MILOVANOVIC, Mike - WANG, Xiaoting - WOLF, Marina E. Distribution of AMPA receptor

subunits and TARPs in synaptic and extrasynaptic membranes of the adult rat nucleus accumbens. In *NEUROSCIENCE LETTERS*, 2011, vol.490, no.3, 180., WOS

[1.1] FERRARIO, Carrie R. - LOWETH, Jessica A. - MILOVANOVIC, Mike - FORD, Kerstin A. - GALINANES, Gregorio L. - HENG, Li-Jun - TSENG, Kuei Y. - WOLF, Marina E. Alterations in AMPA receptor subunits and TARPs in the rat nucleus accumbens related to the formation of Ca²⁺-permeable AMPA receptors during the incubation of cocaine craving. In *NEUROPHARMACOLOGY*, 2011, vol.61, no.7, 1141., WOS

[1.1] JACKSON, Alexander C. - MILSTEIN, Aaron D. - SOTO, David - FARRANT, Mark - CULL-CANDY, Stuart G. - NICOLL, Roger A. Probing TARP Modulation of AMPA Receptor Conductance with Polyamine Toxins. In *JOURNAL OF NEUROSCIENCE*, 2011, vol.31, no.20, 7511., WOS

[1.1] JACKSON, Alexander C. - NICOLL, Roger A. The Expanding Social Network of Ionotropic Glutamate Receptors: TARPs and Other Transmembrane Auxiliary Subunits. In *NEURON*, 2011, vol.70, no.2, 178., WOS

[1.1] WAITHE, Dominic - FERRON, Laurent - DOLPHIN, Annette C. Stargazin-related protein gamma(7) is associated with signalling endosomes in superior cervical ganglion neurons and modulates neurite outgrowth. In *JOURNAL OF CELL SCIENCE*, 2011, vol.124, no.12, 2049., WOS

[1.1] XU, Jie Hua - YANG, Zhen Bang - WANG, Hui - TANG, Feng-Ru. Co-localization of L-type voltage dependent calcium channel alpha 1D subunit (Ca_v1.3) and calbindin (CB) in the mouse central nervous system. In *NEUROSCIENCE LETTERS*. ISSN 0304-3940, 2014, vol. 561, no., pp. 80., WOS

[1.1] YANG, Lin - KATCHMAN, Alexander - MORROW, John P. - DOSHI, Darshan - MARX, Steven O. Cardiac L-type calcium channel (Ca_v1.2) associates with gamma subunits. In *FASEB JOURNAL*, 2011, vol.25, no.3, 928., WOS

[1.2] DOLPHIN, Annette C. Assembly and targeting of voltage-dependent calcium channels. In *Receptor and Ion-Channel Trafficking: Cell Biology of Ligand-Gated and Voltage-Sensitive Ion Channels*, 2012-03-22, pp., SCOPUS

[1.2] NAKAO, Akito - HIRANO, Mitsuru - TAKADA, Yoshinori - KIYONAKA, Shigeki - MORI, Yasuo. Molecular architecture of Ca²⁺ channel complexes organized by CaV β subunits in presynaptic active zones. In *Modulation of Presynaptic Calcium Channels*, 2013-12-01, 9789400763340, pp. 79-99., SCOPUS

ADCA75 KLUGBAUER, N. - MARAIS, E. - LACINOVÁ, Ľubica - HOFMANN, F. A T-type calcium channel from mouse brain. In *Pflugers Archiv-European Journal of Physiology*, 1999, vol. 437, iss. 5, p. 710-715. ISSN 0031-6768.

Ohlasy:

[1.1] DARSZON, Alberto - HERNANDEZ-CRUZ, Arturo. T-type Ca²⁺ channels in spermatogenic cells and sperm. In *PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY*. ISSN 0031-6768, 2014, vol. 466, no. 4, pp. 819., WOS

[1.1] HANSEN, Pernille B. - POULSEN, Christian B. - WALTER, Steen - MARCUSSEN, Niels - CRIBBS, Leanne L. - SKOTT, Ole - JENSEN, Boye L. Functional Importance of L- and P/Q-Type Voltage-Gated Calcium Channels in Human Renal Vasculature. In *HYPERTENSION*, 2011, vol.58, no.3, 464., WOS

- [1.1] HANSEN, P. B. L. Functional and pharmacological consequences of the distribution of voltage-gated calcium channels in the renal blood vessels. In ACTA PHYSIOLOGICA. ISSN 1748-1708, 2013, vol. 207, no. 4, pp. 690., WOS
- [1.1] MASURKAR, A. V. - CHEN, W. R. CALCIUM CURRENTS OF OLFACTORY BULB JUXTAGLOMERULAR CELLS: PROFILE AND MULTIPLE CONDUCTANCE PLATEAU POTENTIAL SIMULATION. In NEUROSCIENCE, 2011, vol.192, no., 231., WOS
- [1.1] NASCA, Carla - ORLANDO, Rosamaria - MARCHIAFAVA, Moreno - BOLDRINI, Paolo - BATTAGLIA, Giuseppe - SCACCIA NOCE, Sergio - MATRISCIANO, Francesco - PITTALUGA, Anna - NICOLETTI, Ferdinando. Exposure to predator odor and resulting anxiety enhances the expression of the α_2 subunit of voltage-sensitive calcium channels in the amygdala. In JOURNAL OF NEUROCHEMISTRY. ISSN 0022-3042, 2013, vol. 125, no. 5, pp. 649., WOS
- [1.1] POULSEN, Christian B. - AL-MASHHADI, Rozh H. - CRIBBS, Leanne L. - SKOTT, Ole - HANSEN, Pernille B. T-type voltage-gated calcium channels regulate the tone of mouse efferent arterioles. In KIDNEY INTERNATIONAL, 2011, vol.79, no.4, 443., WOS
- [1.1] SON, Youn Kyoung - HONG, Da Hye - LI, Hongliang - KIM, Dae-Joong - NA, Sung Hun - PARK, Hongzoo - JUNG, Won-Kyo - CHOI, Il-Whan - PARK, Won Sun. The Ca^{2+} Channel Inhibitor NNC 55-0396 Inhibits Voltage-Dependent K^{+} Channels in Rabbit Coronary Arterial Smooth Muscle Cells. In JOURNAL OF PHARMACOLOGICAL SCIENCES. ISSN 1347-8613, 2014, vol. 125, no. 3, pp. 312., WOS
- [1.1] TAI, Chun-Hwei - YANG, Ya-Chin - PAN, Ming-Kai - HUANG, Chen-Syuan - KUO, Chung-Chin. Modulation of subthalamic T-type Ca^{2+} channels remedies locomotor deficits in a rat model of Parkinson disease. In JOURNAL OF CLINICAL INVESTIGATION, 2011, vol.121, no.8, 3289., WOS
- [1.2] BAUMGART, Joel - PEREZ-REYES, Edward. Voltage-gated calcium channels. In Ion Channels: From Structure to Function, 2012-03-22, pp., SCOPUS
- [1.2] MORELLI, Maria Beatrice - LIBERATI, Sonia - AMANTINI, Consuelo - SANTONI, Matteo - NABISSI, Massimo - FARFARIELLO, Valerio - SANTONI, Giorgio. Epigenetic, genetic, and acquired regulation of $\text{Cav}3$ T-type calcium channel expression and function in tumor growth and progression. In Pathologies of Calcium Channels, 2014-01-01, pp. 277-295., SCOPUS

ADCA76 KLUGBAUER, N. - LACINOVA, Ľubica - MARAIS, E. - HOBOM, M. - HOFMANN, F. Molecular diversity of the calcium channel $\alpha_2\delta$ subunit. In *Journal of neuroscience*, 1999, vol. 19, iss. 2, p. 684-691. (8.403 - IF1998). (1999 - Current Contents). ISSN 0270-6474.

Ohlasy:

- [1.1] BEST, Jabe M. - KAMP, Timothy J. Different subcellular populations of L-type Ca^{2+} channels exhibit unique regulation and functional roles in cardiomyocytes. In JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY. ISSN 0022-2828, 2012, vol. 52, no. 2, pp. 376., WOS
- [1.1] BOURINET, Emmanuel - ALTIER, Christophe - HILDEBRAND, Michael E. - TUAN TRANG - SALTER, Michael W. - ZAMPONI, Gerald W. CALCIUM-PERMEABLE ION CHANNELS IN PAIN SIGNALING. In

PHYSIOLOGICAL REVIEWS. ISSN 0031-9333, 2014, vol. 94, no. 1, pp. 81., WOS

[1.1] CALDERON-RIVERA, Aida - ANDRADE, Arturo - HERNANDEZ-HERNANDEZ, Oscar - GONZALEZ-RAMIREZ, Ricardo - SANDOVAL, Alejandro - RIVERA, Manuel - CARLOS GOMORA, Juan - FELIX, Ricardo. Identification of a disulfide bridge essential for structure and function of the voltage-gated Ca²⁺ channel alpha(2)delta-1 auxiliary subunit. In CELL CALCIUM. ISSN 0143-4160, 2012, vol. 51, no. 1, pp. 22., WOS

[1.1] CATTERALL, William A. Voltage-Gated Calcium Channels. In COLD SPRING HARBOR PERSPECTIVES IN BIOLOGY, 2011, vol.3, no.8., WOS

[1.1] DAGLEY, Laura F. - WHITE, Carl A. - LIAO, Yang - SHI, Wei - SMYTH, Gordon K. - ORIAN, Jacqueline M. - EMILI, Andrew - PURCELL, Anthony W. Quantitative proteomic profiling reveals novel region-specific markers in the adult mouse brain. In PROTEOMICS. ISSN 1615-9853, 2014, vol. 14, no. 2-3, pp. 241., WOS

[1.1] DOLPHIN, Annette C. The alpha(2)delta subunits of voltage-gated calcium channels. In BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES. ISSN 0005-2736, 2013, vol. 1828, no. 7, pp. 1541., WOS

[1.1] FLYNN, Robyn - ALTIER, Christophe. Pathophysiology of neuropathic pain: voltage-gated sodium and calcium channels. In NEUROPATHIC PAIN: CAUSES, MANAGEMENT, AND UNDERSTANDING, 2013, vol., no., pp. 65., WOS

[1.1] GALE, Jeremy D. - HOUGHTON, Lesley A. Alpha 2 delta (alpha(2)delta) ligands, gabapentin and pregabalin: what is the evidence for potential use of these ligands in irritable bowel syndrome. In FRONTIERS IN PHARMACOLOGY. ISSN 1663-9812, 2011, vol. 2, no., pp., WOS

[1.1] HIRAI, Takashi - HAMA, Aldric. Targeting of Peripherally Expressed Pain-Related Molecules in Injury-Induced Chronic Neuropathic Pain. In CNS & NEUROLOGICAL DISORDERS-DRUG TARGETS. ISSN 1871-5273, 2014, vol. 13, no. 5, pp. 846., WOS

[1.1] KADURIN, Ivan - ALVAREZ-LAVIADA, Anita - NG, Shu Fun Josephine - WALKER-GRAY, Ryan - D&APOS;ARCO, Marianna - FADEL, Michael G. - PRATT, Wendy S. - DOLPHIN, Annette C. Calcium Currents Are Enhanced by alpha(2)delta-1 Lacking Its Membrane Anchor. In JOURNAL OF BIOLOGICAL CHEMISTRY. ISSN 0021-9258, 2012, vol. 287, no. 40, pp. 33554., WOS

[1.1] KUMAR, Dhiraj - AMBASTA, Rashmi K. - KUMAR, Pravir. Mutational Consequences of Aberrant Ion Channels in Neurological Disorders. In JOURNAL OF MEMBRANE BIOLOGY. ISSN 0022-2631, 2014, vol. 247, no. 11, pp. 1083., WOS

[1.1] LEE, Margaret S. Recent Progress in the Discovery and Development of N-Type Calcium Channel Modulators for the Treatment of Pain. In PROGRESS IN MEDICINAL CHEMISTRY, VOL 53. ISSN 0079-6468, 2014, vol. 53, no., pp. 147., WOS

[1.1] LI, Kang-Wu - YU, Yanhui Peter - ZHOU, Chunyi - KIM, Doo-Sik - LIN, Bin - SHARP, Kelli - STEWARD, Oswald - LUO, Z. David. Calcium Channel alpha(2)delta(1) Proteins Mediate Trigeminal Neuropathic Pain States Associated with Aberrant Excitatory Synaptogenesis. In JOURNAL OF BIOLOGICAL CHEMISTRY. ISSN 0021-9258, 2014, vol. 289, no. 10, pp.

7025., WOS

[1.1] MUELLER, Luis Perez De Sevilla - LIU, Janelle - SOLOMON, Alexander - RODRIGUEZ, Allen - BRECHA, Nicholas C. Expression of voltage-gated calcium channel $\alpha_2\delta$ subunits in the mouse and rat retina. In JOURNAL OF COMPARATIVE NEUROLOGY. ISSN 0021-9967, 2013, vol. 521, no. 11, pp. 2486., WOS

[1.1] SCRIVEN, David R. L. - MOORE, Edwin D. W. Ca^{2+} channel and $\text{Na}^{+}/\text{Ca}^{2+}$ exchange localization in cardiac myocytes. In JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY. ISSN 0022-2828, 2013, vol. 58, no., pp. 22., WOS

[1.1] SENATORE, Assunta - COLLEONI, Simona - VERDERIO, Claudia - RESTELLI, Elena - MORINI, Raffaella - CONDLIFFE, Steven B. - BERTANI, Ilaria - MANTOVANI, Susanna - CANOVI, Mara - MICOTTI, Edoardo - FORLONI, Gianluigi - DOLPHIN, Annette C. - MATTEOLI, Michela - GOBBI, Marco - CHIESA, Roberto. Mutant PrP Suppresses Glutamatergic Neurotransmission in Cerebellar Granule Neurons by Impairing Membrane Delivery of VGCC $\alpha_2\delta$ -1 Subunit. In NEURON. ISSN 0896-6273, 2012, vol. 74, no. 2, pp. 300., WOS

[1.1] TSUKUMO, Yukihiro - MATSUMOTO, Yuichi - MIURA, Hiroko - YANO, Hiroshi - MANABE, Haruhiko. Gabapentin and Pregabalin Inhibit the Itch-Associated Response Induced by the Repeated Application of Oxazolone in Mice. In JOURNAL OF PHARMACOLOGICAL SCIENCES, 2011, vol. 115, no. 1, pp. 27., WOS

[1.1] VIOLA, Helena M. - HOOL, Livia C. Role of the cytoskeleton in communication between L-type Ca^{2+} -channels and mitochondria. In CLINICAL AND EXPERIMENTAL PHARMACOLOGY AND PHYSIOLOGY. ISSN 0305-1870, 2013, vol. 40, no. 4, pp. 295., WOS

[1.1] ZHOU, C. - LUO, Z. D. Electrophysiological characterization of spinal neuron sensitization by elevated calcium channel $\alpha_2\delta$ -1 subunit protein. In EUROPEAN JOURNAL OF PAIN. ISSN 1090-3801, 2014, vol. 18, no. 5, pp. 649., WOS

[1.2] BAUMGART, Joel - PEREZ-REYES, Edward. Voltage-gated calcium channels. In Ion Channels: From Structure to Function, 2012-03-22, pp., SCOPUS

[1.2] DOLPHIN, Annette C. The involvement of calcium channel $\alpha_2\delta$ subunits in diseases and as a therapeutic target. In Pathologies of Calcium Channels, 2014-01-01, pp. 97-114., SCOPUS

[1.2] FELIX, Ricardo - CALDERÓN-RIVERA, Aida - ANDRADE, Arturo. Regulation of high-voltage-activated Ca^{2+} channel function, trafficking, and membrane stability by auxiliary subunits. In Wiley Interdisciplinary Reviews: Membrane Transport and Signaling. ISSN 2190-460X, 2013-09-01, 2, 5, pp. 207-220., SCOPUS

[1.2] FLYNN, Robyn - ALTIER, Christophe. Pathophysiology of neuropathic pain: Voltage-gated sodium and calcium channels. In Neuropathic Pain: Causes, Management, and Understanding, 2011-01-01, pp. 65-76., SCOPUS

[1.2] FURUKAWA, Taiji. Types of voltage-gated calcium channels: Molecular and electrophysiological views. In Current Hypertension Reviews. ISSN 1573-4021, 2013-01-01, 9, 3, pp. 170-181., SCOPUS

[1.2] GANDINI, María A. - SANDOVAL, Alejandro - FELIX, Ricardo.

- Patch-clamp recording of voltage-sensitive Ca²⁺ channels. In Cold Spring Harbor Protocols. ISSN 19403402, 2014-01-01, 2014, 4, pp. 329-335., SCOPUS
- [1.2] GARCÍA, Jesús. Unraveling the multiple functions of the $\alpha 2/\delta$ subunits of calcium channels. In Calcium Channels: Properties, Functions and Regulation, 2012-03-01, pp. 109-120., SCOPUS
- [1.2] GURKOFF, Gene - SHAHLAIE, Kiarash - LYETH, Bruce - BERMAN, Robert. Voltage-gated calcium channel antagonists and traumatic brain injury. In Pharmaceuticals, 2013-06-26, 6, 7, pp. 788-812., SCOPUS
- [1.2] NAKAO, Akito - HIRANO, Mitsuru - TAKADA, Yoshinori - KIYONAKA, Shigeki - MORI, Yasuo. Molecular architecture of Ca²⁺ channel complexes organized by CaV β subunits in presynaptic active zones. In Modulation of Presynaptic Calcium Channels, 2013-12-01, 9789400763340, pp. 79-99., SCOPUS
- [1.2] THOMPSON, William R. - FARACH-CARSON, Mary C. Effects of 1,25-dihydroxyvitamin D3 on voltage-sensitive calcium channels in osteoblast differentiation and morphology. In Vitamin D, 2011-12-01, pp. 457-467., SCOPUS
- [1.2] TORTORICI, Victor. Alpha-2-delta subunit: A complication or an opportunity? | La subunidad alfa-2-delta: ¿una complicación o una oportunidad? In Informe Medico. ISSN 13169688, 2011-12-01, 13, 3, pp. 109-111., SCOPUS
- [1.2] ZHOU, Chunyi - LUO, Z. David. Sensory pathway modulation by calcium channel $\alpha 2\delta 1$ subunit. In Modulation of Presynaptic Calcium Channels, 2013-12-01, 9789400763340, pp. 345-362., SCOPUS

ADCA77 KLUGBAUER, N. - LACINOVÁ, Ľubica - FLOCKERZI, V. - HOFMANN, F. STRUCTURE AND FUNCTIONAL EXPRESSION OF A NEW MEMBER OF THE TETRODOTOXIN-SENSITIVE VOLTAGE-ACTIVATED SODIUM-CHANNEL FAMILY FROM HUMAN NEUROENDOCRINE CELLS. In *EMBO journal : European Molecular Biology Organization*, 1995, vol. 14, iss. 6, p. 1084-1090. ISSN 0261-4189.

Ohlasy:

- [1.1] AHN, H.S. - BLACK, J.A. - ZHAO, P. - TYRRELL, L. - WAXMAN, S.G. - DIB-HAJJ, S.D. Na(v)1.7 is the predominant sodium channel in rodent olfactory sensory neurons. In MOLECULAR PAIN. ISSN 1744-8069, MAY 10 2011, vol. 7., WOS
- [1.1] AKIMOTO, Takafumi - MASUDA, Asako - YOTSU-YAMASHITA, Mari - HIROKAWA, Takatsugu - NAGASAWA, Kazuo. Synthesis of saxitoxin derivatives bearing guanidine and urea groups at C13 and evaluation of their inhibitory activity on voltage-gated sodium channels. In ORGANIC & BIOMOLECULAR CHEMISTRY. ISSN 1477-0520, 2013, vol. 11, no. 38, pp. 6642., WOS
- [1.1] ANDAVAN, G.S.B. - LEMMENS-GRUBER, R. Voltage-Gated Sodium Channels: Mutations, Channelopathies and Targets. In CURRENT MEDICINAL CHEMISTRY. ISSN 0929-8673, JAN 2011, vol. 18, no. 3, p. 377-397., WOS
- [1.1] BINSHTOK, Alexander M. MECHANISMS OF NOCICEPTIVE TRANSDUCTION AND TRANSMISSION: A MACHINERY FOR PAIN SENSATION AND TOOLS FOR SELECTIVE ANALGESIA. In TRANSLATING MECHANISMS OF OROFACIAL NEUROLOGICAL DISORDER. ISSN 0074-7742, 2011, vol. 97, no., pp. 143., WOS

- [1.1] BLACK, Joel A. - FREZEL, Noemie - DIB-HAJJ, Sulayman D. - WAXMAN, Stephen G. Expression of Nav1.7 in DRG neurons extends from peripheral terminals in the skin to central preterminal branches and terminals in the dorsal horn. In *MOLECULAR PAIN*. ISSN 1744-8069, 2012, vol. 8, no., pp., WOS
- [1.1] BROUWER, Brigitte A. - MERKIES, Ingemar S. J. - GERRITS, Monique M. - WAXMAN, Stephen G. - HOEIJMAKERS, Janneke G. J. - FABER, Catharina G. Painful neuropathies: the emerging role of sodium channelopathies. In *JOURNAL OF THE PERIPHERAL NERVOUS SYSTEM*. ISSN 1085-9489, 2014, vol. 19, no. 2, pp. 53., WOS
- [1.1] CAMMEN, Kristina M. - ROSEL, Patricia E. - WELLS, Randall S. - READ, Andrew J. Lack of variation in voltage-gated sodium channels of common bottlenose dolphins (*Tursiops truncatus*) exposed to neurotoxic algal blooms. In *AQUATIC TOXICOLOGY*. ISSN 0166-445X, 2014, vol. 157, no., pp. 150., WOS
- [1.1] DIB-HAJJ, Sulayman D. - YANG, Yang - BLACK, Joel A. - WAXMAN, Stephen G. The Na(V)1.7 sodium channel: from molecule to man. In *NATURE REVIEWS NEUROSCIENCE*. ISSN 1471-003X, 2013, vol. 14, no. 1, pp. 49., WOS
- [1.1] ESTACION, Mark - YANG, Yang - DIB-HAJJ, Sulayman D. - TYRRELL, Lynda - LIN, Zhimiao - YANG, Yong - WAXMAN, Stephen G. A new Na(v)1.7 mutation in an erythromelalgia patient. In *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*. ISSN 0006-291X, 2013, vol. 432, no. 1, pp. 99., WOS
- [1.1] ESTACION, M. - HAN, C.Y. - CHOI, J.S. - HOEIJMAKERS, J.G.J. - LAURIA, G. - DRENT, J.P.H. - GERRITS, M.M. - DIB-HAJJ, S.D. - FABER, C.G. - MERKIES, I.S.J. - WAXMAN, S.G. Intra- and interfamily phenotypic diversity in pain syndromes associated with a gain-of-function variant of Na(V)1.7. In *MOLECULAR PAIN*. ISSN 1744-8069, DEC 2 2011, vol. 7., WOS
- [1.1] FABER, Catharina G. - HOEIJMAKERS, Janneke G. J. - AHN, Hye-Sook - CHENG, Xiaoyang - HAN, Chongyang - CHOI, Jin-Sung - ESTACION, Mark - LAURIA, Giuseppe - VANHOUTTE, Els K. - GERRITS, Monique M. - DIB-HAJJ, Sulayman - DRENT, Joost P. H. - WAXMAN, Stephen G. - MERKIES, Ingemar S. J. Gain of function Nav1.7 mutations in idiopathic small fiber neuropathy. In *ANNALS OF NEUROLOGY*. ISSN 0364-5134, 2012, vol. 71, no. 1, pp. 26., WOS
- [1.1] GINGRAS, Jacinthe - SMITH, Sarah - MATSON, David J. - JOHNSON, Danielle - NYE, Kim - COUTURE, Lauren - FERIC, Elma - YIN, Ruoyuan - MOYER, Bryan D. - PETERSON, Matthew L. - ROTTMAN, James B. - BEILER, Rudolph J. - MALMBERG, Annika B. - MCDONOUGH, Stefan I. Global Nav1.7 Knockout Mice Recapitulate the Phenotype of Human Congenital Indifference to Pain. In *PLOS ONE*. ISSN 1932-6203, 2014, vol. 9, no. 9, pp., WOS
- [1.1] HAN, C. - HOEIJMAKERS, J. G. J. - AHN, H.S. - ZHAO, P. - SHAH, P. - LAURIA, G. - GERRITS, M. M. - TE MORSCH, R. H. M. - DIB-HAJJ, S. D. - DRENT, J. P. H. - FABER, C. G. - MERKIES, I. S. J. - WAXMAN, S. G. Na(v)1.7-related small fiber neuropathy Impaired slow-inactivation and DRG neuron hyperexcitability. In *NEUROLOGY*. ISSN 0028-3878, 2012, vol. 78, no. 21, pp. 1635., WOS
- [1.1] HAN, Chongyang - HOEIJMAKERS, Janneke G. J. - LIU, Shujun -

GERRITS, Monique M. - TE MORSCHE, Rene H. M. - LAURIA, Giuseppe - DIB-HAJJ, Sulayman D. - DRENT, Joost P. H. - FABER, Catharina G. - MERKIES, Ingemar S. J. - WAXMAN, Stephen G. Functional profiles of SCN9A variants in dorsal root ganglion neurons and superior cervical ganglion neurons correlate with autonomic symptoms in small fibre neuropathy. In BRAIN. ISSN 0006-8950, 2012, vol. 135, no., pp. 2613., WOS

[1.1] HARRER, Judith U. - UCEYLER, Nurcan - DOPPLER, Kathrin - FISCHER, Tanya Z. - DIB-HAJJ, Sulayman D. - WAXMAN, Stephen G. - SOMMER, Claudia. Neuropathic pain in two-generation twins carrying the sodium channel Na(v)1.7 functional variant R1150W. In PAIN. ISSN 0304-3959, 2014, vol. 155, no. 10, pp. 2199., WOS

[1.1] HEIMANN, Dirk - LOETSCH, Joern - HUMMEL, Thomas - DOEHRING, Alexandra - OERTEL, Bruno G. Linkage between Increased Nociception and Olfaction via a SCN9A Haplotype. In PLOS ONE. ISSN 1932-6203, 2013, vol. 8, no. 7, pp., WOS

[1.1] HOEIJMAKERS, Janneke G. J. - HAN, Chongyang - MERKIES, Ingemar S. J. - MACALA, Lawrence J. - LAURIA, Giuseppe - GERRITS, Monique M. - DIB-HAJJ, Sulayman D. - FABER, Catharina G. - WAXMAN, Stephen G. Small nerve fibres, small hands and small feet: a new syndrome of pain, dysautonomia and acromesomelia in a kindred with a novel Na(V)1.7 mutation. In BRAIN. ISSN 0006-8950, 2012, vol. 135, no., pp. 345., WOS

[1.1] HOEIJMAKERS, J. G. J. - MERKIES, I. S. J. - GERRITS, M. M. - WAXMAN, S. G. - FABER, C. G. Genetic aspects of sodium channelopathy in small fiber neuropathy. In CLINICAL GENETICS. ISSN 0009-9163, 2012, vol. 82, no. 4, pp. 351., WOS

[1.1] HO, Ginny D. - TULSHIAN, Deen - BERCOVICI, Ana - TAN, Zheng - HANISAK, Jennifer - BRUMFIELD, Stephanie - MATASI, Julius - HEAP, Charles R. - EARLEY, William G. - COURNEYA, Brandy - HERR, R. Jason - ZHOU, Xiaoping - BRIDAL, Terry - RINDGEN, Diane - SOROTA, Steve - YANG, Shu-Wei. Discovery of pyrrolo-benzo-1,4-diazines as potent Na(v)1.7 sodium channel blockers. In BIOORGANIC & MEDICINAL CHEMISTRY LETTERS. ISSN 0960-894X, 2014, vol. 24, no. 17, pp. 4110., WOS

[1.1] HUANG, Jianying - HAN, Chongyang - ESTACION, Mark - VASYLYEV, Dymtro - HOEIJMAKERS, Janneke G. J. - GERRITS, Monique M. - TYRRELL, Lynda - LAURIA, Giuseppe - FABER, Catharina G. - DIB-HAJJ, Sulayman D. - MERKIES, Ingemar S. J. - WAXMAN, Stephen G. Gain-of-function mutations in sodium channel Na(V)1.9 in painful neuropathy. In BRAIN. ISSN 0006-8950, 2014, vol. 137, no., pp. 1627., WOS

[1.1] HUANG, Jianying - YANG, Yang - DIB-HAJJ, Sulayman D. - VAN ES, Michael - ZHAO, Peng - SALOMON, Jody - DRENT, Joost P. H. - WAXMAN, Stephen G. Depolarized Inactivation Overcomes Impaired Activation to Produce DRG Neuron Hyperexcitability in a Na(v)1.7 Mutation in a Patient with Distal Limb Pain. In JOURNAL OF NEUROSCIENCE. ISSN 0270-6474, 2014, vol. 34, no. 37, pp. 12328., WOS

[1.1] CHENG, X. - DIB-HAJJ, S.D. - TYRRELL, L. - MORSCHE, R.H.T. - DRENT, J.P.H. - WAXMAN, S.G. Deletion mutation of sodium channel Na(V)1.7 in inherited erythromelalgia: enhanced slow inactivation modulates dorsal root ganglion neuron hyperexcitability. In BRAIN. ISSN 0006-8950, JUL 2011, vol. 134, Part 7, p. 1972-1986., WOS

[1.1] CHOWDHURY, Sultan - LIU, Shifeng - CADIEUX, Jay A. - HSIEH,

Tom - CHAFEEV, Mikhail - SUN, Shaoyi - JIA, Qi - SUN, Jianyu - WOOD, Mark - LANGILLE, Jonathan - SVIRIDOV, Serguei - FU, Jianmin - ZHANG, Zaihui - CHUI, Ray - WANG, Audrey - CHENG, Xing - ZHONG, Jing - HOSSAIN, Sazzad - KHAKH, Kuldip - RAJLIC, Ivana - VERSCHOOF, Henry - KWAN, Rainbow - YOUNG, Wendy. Tetracyclic spirooxindole blockers of hNa(V)1.7: activity in vitro and in CFA-induced inflammatory pain model. In MEDICINAL CHEMISTRY RESEARCH. ISSN 1054-2523, 2013, vol. 22, no. 4, pp. 1825., WOS

[1.1] KIS-TOTH, K. - HAJDU, P. - BACSKAI, I. - SZILAGYI, O. - PAPP, F. - SZANTO, A. - POSTA, E. - GOGOLAK, P. - PANYI, G. - RAJNAVOLGYI, E. Voltage-Gated Sodium Channel Nav1.7 Maintains the Membrane Potential and Regulates the Activation and Chemokine-Induced Migration of a Monocyte-Derived Dendritic Cell Subset. In JOURNAL OF IMMUNOLOGY. ISSN 0022-1767, AUG 1 2011, vol. 187, no. 3, p. 1273-1280., WOS

[1.1] KNAPP, Oliver - MCARTHUR, Jeffrey R. - ADAMS, David J. Conotoxins Targeting Neuronal Voltage-Gated Sodium Channel Subtypes: Potential Analgesics? In TOXINS. ISSN 2072-6651, 2012, vol. 4, no. 11, pp. 1236., WOS

[1.1] LEIPOLD, E. - MARKGRAF, R. - MILOSLAVINA, A. - KIJAS, M. - SCHIRMAYER, J. - IMHOF, D. - HEINEMANN, S.H. Molecular determinants for the subtype specificity of mu-conotoxin SIIIA targeting neuronal voltage-gated sodium channels. In NEUROPHARMACOLOGY. ISSN 0028-3908, JUL-AUG 2011, vol. 61, no. 1-2, p. 105-111., WOS

[1.1] LIU, Pin - JO, Sooyeon - BEAN, Bruce P. Modulation of neuronal sodium channels by the sea anemone peptide BDS-I. In JOURNAL OF NEUROPHYSIOLOGY. ISSN 0022-3077, 2012, vol. 107, no. 11, pp. 3155., WOS

[1.1] LOPEZ-SANTIAGO, L.F. - BRACKENBURY, W.J. - CHEN, C.L. - ISOM, L.L. Na⁺ Channel Scn1b Gene Regulates Dorsal Root Ganglion Nociceptor Excitability in Vivo. In JOURNAL OF BIOLOGICAL CHEMISTRY. ISSN 0021-9258, JUL 1 2011, vol. 286, no. 26, p. 22913-22923., WOS

[1.1] LUO, Ji - ZHANG, Yiya - GONG, Mengting - LU, Shanshan - MA, Yifeng - ZENG, Xiongzi - LIANG, Songping. Molecular Surface of JZTX-V (beta-Theraphotoxin-Cj2a) Interacting with Voltage-Gated Sodium Channel Subtype Na(V)1.4. In TOXINS. ISSN 2072-6651, 2014, vol. 6, no. 7, pp. 2177., WOS

[1.1] MARUTA, T. - NEMOTO, T. - SATOH, S. - KANAI, T. - YANAGITA, T. - WADA, A. - TSUNEYOSHI, I. Dexmedetomidine and clonidine inhibit the function of Na(V)1.7 independent of alpha(2)-adrenoceptor in adrenal chromaffin cells. In JOURNAL OF ANESTHESIA. ISSN 0913-8668, AUG 2011, vol. 25, no. 4, p. 549-557., WOS

[1.1] NARDI, Antonio - DAMANN, Nils - HERTRAMPF, Torsten - KLESS, Achim. Advances in Targeting Voltage-Gated Sodium Channels with Small Molecules. In CHEMMEDCHEM. ISSN 1860-7179, 2012, vol. 7, no. 10, pp. 1712., WOS

[1.1] PERSSON, A.K. - GASSER, A. - BLACK, J.A. - WAXMAN, S.G. Na(V)1.7 accumulates and co-localizes with phosphorylated ERK1/2 within transected axons in early experimental neuromas. In EXPERIMENTAL

- NEUROLOGY. ISSN 0014-4886, AUG 2011, vol. 230, no. 2, p. 273-279., WOS
- [1.1] RAMACHANDRA, Renuka - MCGREW, Stephanie Y. - BAXTER, James C. - KIVERIC, Esad - ELMSLIE, Keith S. Tetrodotoxin-resistant voltage-dependent sodium channels in identified muscle afferent neurons. In JOURNAL OF NEUROPHYSIOLOGY. ISSN 0022-3077, 2012, vol. 108, no. 8, pp. 2230., WOS
- [1.1] ROWE, A.H. - XIAO, Y.C. - SCALES, J. - LINSE, K.D. - ROWE, M.P. - CUMMINS, T.R. - ZAKON, H.H. Isolation and Characterization of CvIV4: A Pain Inducing alpha- Scorpion Toxin. In PLOS ONE. ISSN 1932-6203, AUG 24 2011, vol. 6, no. 8., WOS
- [1.1] SHEETS, P.L. - JARECKI, B.W. - CUMMINS, T.R. Lidocaine reduces the transition to slow inactivation in Na(v)1.7 voltage-gated sodium channels. In BRITISH JOURNAL OF PHARMACOLOGY. ISSN 0007-1188, SEP 2011, vol. 164, no. 2B, p. 719-730., WOS
- [1.1] SHINOHARA, R. - AKIMOTO, T. - IWAMOTO, O. - HIROKAWA, T. - YOTSU-YAMASHITA, M. - YAMAOKA, K. - NAGASAWA, K. Synthesis of Skeletal Analogues of Saxitoxin Derivatives and Evaluation of Their Inhibitory Activity on Sodium Ion Channels Na(v)1.4 and Na(v)1.5. In CHEMISTRY-A EUROPEAN JOURNAL. ISSN 0947-6539, OCT 2011, vol. 17, no. 43, p. 12144-12152., WOS
- [1.1] SHORER, Zamir - WAJSBROT, Einav - LIRAN, Tamir-Hostovsky - LEVY, Jacov - PARVARI, Ruti. A Novel Mutation in SCN9A in a Child With Congenital Insensitivity to Pain. In PEDIATRIC NEUROLOGY. ISSN 0887-8994, 2014, vol. 50, no. 1, pp. 73., WOS
- [1.1] SKEIK, Nedaa - ROOKE, Thom W. - DAVIS, Mark Denis P. - DAVIS, Dawn Marie R. - KALSI, Henna - KURTH, Ingo - RICHARDSON, Randal C. Severe case and literature review of primary erythromelalgia: Novel SCN9A gene mutation. In VASCULAR MEDICINE. ISSN 1358-863X, 2012, vol. 17, no. 1, pp. 44., WOS
- [1.1] STAUD, R. - PRICE, D.D. - JANICKE, D. - ANDRADE, E. - HADJIPANAYIS, A.G. - EATON, W.T. - KAPLAN, L. - WALLACE, M.R. Two novel mutations of SCN9A (Nav1.7) are associated with partial congenital insensitivity to pain. In EUROPEAN JOURNAL OF PAIN. ISSN 1090-3801, MAR 2011, vol. 15, no. 3, p. 223-230., WOS
- [1.1] TAMURA, Ryuji - NEMOTO, Takayuki - MARUTA, Toyooki - ONIZUKA, Shin - YANAGITA, Toshihiko - WADA, Akihiko - MURAKAMI, Manabu - TSUNEYOSHI, Isao. Up-Regulation of Nav1.7 Sodium Channels Expression by Tumor Necrosis Factor- α in Cultured Bovine Adrenal Chromaffin Cells and Rat Dorsal Root Ganglion Neurons. In ANESTHESIA AND ANALGESIA. ISSN 0003-2999, 2014, vol. 118, no. 2, pp. 318., WOS
- [1.1] THEILE, Jonathan W. - CUMMINS, Theodore R. Recent developments regarding voltage-gated sodium channel blockers for the treatment of inherited and acquired neuropathic pain syndromes. In FRONTIERS IN PHARMACOLOGY. ISSN 1663-9812, 2011, vol. 2, no., pp., WOS
- [1.1] THEILE, J.W. - CUMMINS, T.R. Inhibition of Nav beta 4 Peptide-Mediated Resurgent Sodium Currents in Nav1.7 Channels by Carbamazepine, Riluzole, and Anandamide. In MOLECULAR PHARMACOLOGY. ISSN 0026-895X, OCT 2011, vol. 80, no. 4, p. 724-734., WOS
- [1.1] THEILE, J.W. - JARECKI, B.W. - PIEKARZ, A.D. - CUMMINS, T.R.

Nav1.7 mutations associated with paroxysmal extreme pain disorder, but not erythromelalgia, enhance Nav beta 4 peptide-mediated resurgent sodium currents. In JOURNAL OF PHYSIOLOGY-LONDON. ISSN 0022-3751, FEB 1 2011, vol. 589, no. 3, p. 597-608., WOS

[1.1] VANDAEL, D. H. F. - MAHAPATRA, S. - CALORIO, C. - MARCANTONI, A. - CARBONE, E. Cav1.3 and Cav1.2 channels of adrenal chromaffin cells: Emerging views on cAMP/cGMP-mediated phosphorylation and role in pacemaking. In BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES. ISSN 0005-2736, 2013, vol. 1828, no. 7, pp. 1608., WOS

[1.1] VETTER, Irina - MOZAR, Christine A. - DUREK, Thomas - WINGERD, Joshua S. - ALEWOOD, Paul F. - CHRISTIE, Macdonald J. - LEWIS, Richard J. Characterisation of Na-v types endogenously expressed in human SH-SY5Y neuroblastoma cells. In BIOCHEMICAL PHARMACOLOGY. ISSN 0006-2952, 2012, vol. 83, no. 11, pp. 1562., WOS

[1.1] WALKER, James R. - NOVICK, Paul A. - PARSONS, William H. - MCGREGOR, Malcolm - ZABLOCKI, Jeff - PANDE, Vijay S. - DU BOIS, J. Marked difference in saxitoxin and tetrodotoxin affinity for the human nociceptive voltage-gated sodium channel (Na(v)1.7). In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. ISSN 0027-8424, 2012, vol. 109, no. 44, pp. 18102., WOS

[1.1] WEISS, J. - PYRSKI, M. - JACOBI, E. - BUFE, B. - WILLNECKER, V. - SCHICK, B. - ZIZZARI, P. - GOSSAGE, S.J. - GREER, C.A. - LEINDERS-ZUFALL, T. - WOODS, C.G. - WOOD, J.N. - ZUFALL, F. Loss-of-function mutations in sodium channel Na(v)1.7 cause anosmia. In NATURE. ISSN 0028-0836, APR 14 2011, vol. 472, no. 7342, p. 186-190., WOS

[1.1] YANAGITA, T. - SATOH, S. - UEZONO, Y. - MATSUO, K. - NEMOTO, T. - MARUTA, T. - YOSHIKAWA, N. - IWAKIRI, T. - MINAMI, K. - MURAKAMI, M. Transcriptional up-regulation of cell surface Na(V)1.7 sodium channels by insulin-like growth factor-1 via inhibition of glycogen synthase kinase-3 beta in adrenal chromaffin cells: enhancement of Na-22(+) influx, Ca-45(2+) influx and catecholamine secretion. In NEUROPHARMACOLOGY. ISSN 0028-3908, DEC 2011, vol. 61, no. 8, p. 1265-1274., WOS

[1.1] YANG, Shu-Wei - HO, Ginny D. - TULSHIAN, Deen - BERCOVICI, Ana - TAN, Zheng - HANISAK, Jennifer - BRUMFIELD, Stephanie - MATASI, Julius - SUN, Xianfeng - SAKWA, Samuel A. - HERR, R. Jason - ZHOU, Xiaoping - BRIDAL, Terry - URBAN, Mark - VIVIAN, Jeffrey - RINDGEN, Diane - SOROTA, Steve. Bioavailable pyrrolo-benzo-1,4-diazines as Na(v)1.7 sodium channel blockers for the treatment of pain. In BIOORGANIC & MEDICINAL CHEMISTRY LETTERS. ISSN 0960-894X, 2014, vol. 24, no. 21, pp. 4958., WOS

[1.1] YUAN, Junhui - MATSUURA, Eiji - HIGUCHI, Yujiro - HASHIGUCHI, Akihiro - NAKAMURA, Tomonori - NOZUMA, Satoshi - SAKIYAMA, Yusuke - YOSHIMURA, Akiko - IZUMO, Shuji - TAKASHIMA, Hiroshi. Hereditary sensory and autonomic neuropathy type IID caused by an SCN9A mutation. In NEUROLOGY. ISSN 0028-3878, 2013, vol. 80, no. 18, pp. 1641., WOS

[1.1] YUAN, Ruimei - ZHANG, Xianwei - DENG, Qian - SI, Dayong - WU,

Yuan - GAO, Feng - ZHOU, Biyun. Two Novel SCN9A Gene Heterozygous Mutations May Cause Partial Deletion of Pain Perception. In PAIN MEDICINE. ISSN 1526-2375, 2011, vol. 12, no. 10, pp. 1510., WOS

[1.1] ZUFALL, Frank - PYRSKI, Martina - WEISS, Jan - LEINDERS-ZUFALL, Trese. Link Between Pain and Olfaction in an Inherited Sodium Channelopathy. In ARCHIVES OF NEUROLOGY. ISSN 0003-9942, 2012, vol. 69, no. 9, pp. 1119., WOS

[1.2] BERAUD, Evelyne - CHANDY, K. George. Therapeutic potential of peptide toxins that target ion channels. In Inflammation and Allergy Drug Targets. ISSN 18715281, 2011-10-01, 10, 5, pp. 322-342., SCOPUS

[1.2] OBERGRUSSBERGER, Alison - HAARMANN, Claudia - RINKE, Ilka - BECKER, Nadine - GUINOT, David - BRUEGGEMANN, Andrea - STOELZLE-FEIX, Sonja - GEORGE, Michael - FERTIG, Niels. Automated patch clamp analysis of nACh α 7 and Nav1.7 channels. In Current Protocols in Pharmacology. ISSN 19348282, 2014-01-01, sUPPL.65, pp., SCOPUS

[1.2] SCHOLZ, Andreas. Nav1.7 voltage gated sodium channel. In xPharm: The Comprehensive Pharmacology Reference, 2011-12-01, pp. 1-6., SCOPUS

[1.2] SIMMONS, Mark A. Tetrodotoxin. In xPharm: The Comprehensive Pharmacology Reference, 2011-12-01, pp. 1-4., SCOPUS

ADCA78 KOMÍNKOVÁ, Viera - MAGOVÁ, M. - MOJŽISOVÁ, Alexandra - MÁLEKOVÁ, Ľubica - ONDRIAŠ, Karol. Effect of ethanol on tracheal potassium channels reconstituted into bilayer lipid membranes. In *Physiological Research*, 2001, vol. 50, p. 507-511. (1.366 - IF2000). (2001 - Current Contents). ISSN 0862-8408.

Ohlasy:

[1.1] COMOGLIO, Yannick - LEVITZ, Joshua - KIENZLER, Michael A. - LESAGE, Florian - ISACOFF, Ehud Y. - SANDOZ, Guillaume. Phospholipase D2 specifically regulates TREK potassium channels via direct interaction and local production of phosphatidic acid. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. ISSN 0027-8424, 2014, vol. 111, no. 37, pp. 13547., WOS

ADCA79 KOMÍNKOVÁ, Viera - MÁLEKOVÁ, Ľubica - TOMÁŠKOVÁ, Zuzana - SLEZÁK, Peter - SZEWCZYK, A. - ONDRIAŠ, Karol. Modulation of intracellular chloride channels by ATP and Mg²⁺. In *Biochimica et Biophysica Acta : bioenergetics*, 2010, vol. 1797, no. 6-7, p. 1300-1312. (3.688 - IF2009). (2010 - Current Contents). ISSN 0005-2728.

Ohlasy:

[1.1] ASHRAFPOUR, M. - BABAEI, J.F. - SAGHIRI, R. - SEPEHRI, H. - SHARIFI, H. Modulation of the hepatocyte rough endoplasmic reticulum single chloride channel by nucleotide-Mg²⁺ interaction. In PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY. ISSN 0031-6768, AUG 2012, vol. 464, no. 2, p. 175-182., WOS

[1.1] SZABO, I. - ZORATTI, M. MITOCHONDRIAL CHANNELS: ION FLUXES AND MORE. In PHYSIOLOGICAL REVIEWS. ISSN 0031-9333, APR 2014, vol. 94, no. 2, p. 519-608., WOS

ADCA80 KOPÁČEK, Juraj - ONDRIAŠ, Karol - SEDLÁKOVÁ, Barbora - TOMÁŠKOVÁ, Jana - ZAHRADNIKOVA, L. - SEDLÁK, Ján - SULOVA, Zdena

- ZAHRADNÍKOVÁ, Alexandra - PASTOREK, Jaromír - KRIŽANOVÁ, Olga.
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] 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
- [1.2] Brugge, D., Buchner, V. Health effects of uranium: New research findings Reviews on Environmental Health 26 (4) , pp. 231-249 , 2011, SCOPUS
- [3.1] Vervloessem, T., Yule, D. I., Bultynck, G., & Parys, J. B. The type 2 inositol 1, 4, 5-trisphosphate receptor, emerging functions for an intriguing Ca²⁺-release channel BIOCHIMICA ET BIOPHYSICA ACTA (BBA)-MOLECULAR CELL RESEARCH Published online: DEC 2014

ADCA81 KOSZELA - PIOTROWSKA, Izabela - CHROMA, Katarzyna - BEDNARCZYK, Piotr - DOŁOWY, Krzysztof - SZEWCZYK, Adam - KUNZ, Wolfram S - MÁLEKOVÁ, Ľubica - KOMÍNKOVÁ, Viera - ONDRIÁŠ, Karol.
Stilbene derivatives inhibit the activity of the inner mitochondrial membrane chloride channels. In *Cellular and Molecular Biology Letters*, 2007, vol. 12, issue 4, p. 493-508.

Ohlasy:

- [1.1] SZABO, Ildiko - ZORATTI, Mario. MITOCHONDRIAL CHANNELS: ION FLUXES AND MORE. In PHYSIOLOGICAL REVIEWS. ISSN 0031-9333, 2014, vol. 94, no. 2, pp. 519., WOS
- [1.1] TERBACH, Nicole - SHAH, Rishita - KELEMEN, Rachel - KLEIN, Peter S. - GORDIENKO, Dmitri - BROWN, Nigel A. - WILKINSON, Christopher J. - WILLIAMS, Robin S. B. Identifying an uptake mechanism for the antiepileptic and bipolar disorder treatment valproic acid using the simple biomedical model Dictyostelium. In JOURNAL OF CELL SCIENCE, 2011, vol.124, no.13, 2267., WOS
- [1.2] ASHRAFFPOUR, M. - BABAEI, J.F. - SAGHIRI, R. - SEPEHRI, H. - SHARIFI, H. Modulation of the hepatocyte rough endoplasmic reticulum single chloride channel by nucleotide-Mg²⁺ interaction. In Pflugers Archiv European Journal of Physiology, 2012, 464, 2, pp. 175-182., SCOPUS

ADCA82 KOVÁCS, László - HLA VATÁ, A. - BALDOVIČ, Marián - PAULOVÍČOVÁ, Ema - DALLOS, Tomáš - FÉHERVÍZIOVÁ, Zuzana - KÁDAŠI, Ľudevít.
Elevated immunoglobulin D levels in children with PFAPA syndrome. In *Neuroendocrinology Letters*, 2010, vol. 31, p. 101-104. (1.047 - IF2009). ISSN 0172-780X.

Ohlasy:

- [1.1] BACCAGLINI, L. - LALLA, R. V. - BRUCE, A. J. - SARTORI-VALINOTTI, J. C. - LATORTUE, M. C. - CARROZZO, M. - ROGERS, R. S. Urban legends: recurrent aphthous stomatitis. In ORAL

DISEASES, 2011, vol.17, no.8, 755., WOS

[1.1] Gagro, A (Gagro, Alenka) In: PAEDIATRIA CROATICA, 2012, Volume: 56 Pages: 19-28 Supplement: 1, WOS

[1.1] KUBOTA, Kazuo - OHNISHI, Hidenori - TERAMOTO, Takahide - KAWAMOTO, Norio - KASAHARA, Kimiko - OHARA, Osamu - KONDO, Naomi. Clinical and Genetic Characterization of Japanese Sporadic Cases of Periodic Fever, Aphthous Stomatitis, Pharyngitis and Adenitis Syndrome from a Single Medical Center in Japan. In JOURNAL OF CLINICAL IMMUNOLOGY. ISSN 0271-9142, 2014, vol. 34, no. 5, pp. 584., WOS

[1.1] RODRIGUEZ LAGOS, Francy Andrea - SORIANO FAURA, Francisco Javier. Periodic fever, aphthous stomatitis, pharyngitis, cervical adenitis syndrome. In ATENCION PRIMARIA. ISSN 0212-6567, 2012, vol. 44, no. 11, pp. 684., WOS

[1.1] VIGO, Giulia - ZULIAN, Francesco. Periodic fevers with aphthous stomatitis, pharyngitis, and adenitis (PFAPA). In AUTOIMMUNITY REVIEWS. ISSN 1568-9972, 2012, vol. 12, no. 1, pp. 52., WOS

[1.1]): Yazgan, H (Yazgan, Hamza); Keles, E (Keles, Esengul); Yazgan, Z (Yazgan, Zerrin); Gebesce, A (Gebesce, Arzu); Demirdoven, M (Demirdoven, Mehmet) In: INTERNATIONAL JOURNAL OF PEDIATRIC OTORHINOLARYNGOLOGY, 2012, Volume: 76 Issue: 8 Pages: 1145-1147, WOS

[1.2] Maydannik, V. G. , In. Voprosy Prakticheskoi Pediatrii, 2013, 8(4), 30-39., SCOPUS

ADCA83 KREPSOVÁ, K. - MIČUTKOVÁ, L. - NOVOTOVÁ, Marta - KUBOVČÁKOVÁ, Lucia - KVETŇANSKÝ, Richard - KRIŽANOVÁ, Oľga. Repeated immobilization stress decreases mRNA and protein levels of the type 1 IP3 receptor in rat heart. In *Annals of the New York Academy of Sciences*, 2004, vol. 1018, p. 339-344. (1.892 - IF2003). ISSN 0077-8923.

Ohlasy:

[1.1] BRUDER-NASCIMENTO, Thiago - SALOME CAMPOS, Dijon Henrique - LEOPOLDO, Andre Soares - LIMA-LEOPOLDO, Ana Paula - OKOSHI, Katashi - CORDELLINI, Sandra - CICOONA, Antonio Carlos. Chronic Stress Improves the Myocardial Function without Altering L-type Ca²⁺ Channel Activity in Rats. In ARQUIVOS BRASILEIROS DE CARDIOLOGIA. ISSN 0066-782X, 2012, vol. 99, no. 4, pp. 907., WOS

[1.1] COSTA, V. M. - CARVALHO, F. - BASTOS, M. L. - CARVALHO, R. A. - CARVALHO, M. - REMIAO, F. Contribution of Catecholamine Reactive Intermediates and Oxidative Stress to the Pathologic Features of Heart Diseases. In CURRENT MEDICINAL CHEMISTRY, 2011, vol.18, no.15, 2272., WOS

ADCA84 KRIŽANOVÁ, Oľga - MYSLIVEČEK, Jaromír - TILLINGER, Andrej - JURKOVIČOVÁ, Dana - KUBOVČÁKOVÁ, Lucia. Adrenergic and calcium modulation of the heart in stress: From molecular biology to function. In *Stress : the international journal on the biologie of stress*, 2007, vol. 10, iss. 2, p. 173-184. (3.200 - IF2006). (2007 - Current Contents). ISSN 1025-3890.

Ohlasy:

[1.1] COSTA, V. M. - CARVALHO, F. - BASTOS, M. L. - CARVALHO, R. A. - CARVALHO, M. - REMIAO, F. Contribution of Catecholamine Reactive

Intermediates and Oxidative Stress to the Pathologic Features of Heart Diseases.
In CURRENT MEDICINAL CHEMISTRY, 2011, vol.18, no.15, 2272., WOS

- ADCA85 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. APVV-0045-11,
VEGA 2/0074/13, CEMAN.

Ohlasy:

[1.1] Han, Seong-Su; Han, Sangwoo; Kamberos, Natalie L. iperlongumine
inhibits the proliferation and survival of B-cell acute lymphoblastic leukemia cell
lines irrespective of glucocorticoid resistance BIOCHEMICAL AND
BIOPHYSICAL RESEARCH COMMUNICATIONS Volume: 452 Issue: 3
Pages: 669-675 Published: SEP 26 2014, WOS

- ADCA86 KRIŽANOVÁ, Oľga - MIČUTKOVÁ, L. - JELOKOVÁ, J. - FILIPENKO, M.
- SABBAN, E. L. - KVETŇANSKÝ, Richard. Existence of cardiac PNMT mRNA
in adult rats: elevation by stress in a glucocorticoid-dependent manner. In *American
Journal of Physiology-Heart and Circulatory Physiology*, 2001, vol. 281, no. 3, p.
H1372-H1379. (3.243 - IF2000). (2001 - Current Contents). ISSN 0363-6135.

Ohlasy:

[1.1] Costa, V. M.; Carvalho, F.; Bastos, M. L. Contribution of
Catecholamine Reactive Intermediates and Oxidative Stress to the Pathologic
Features of Heart Diseases. CURRENT MEDICINAL CHEMISTRY Volume:
18 Issue: 15 Pages: 2272-2314 2011, WOS

[1.1] GAVRILOVIC, Ljubica - STOJILJKOVIC, Vesna - KASAPOVIC,
Jelena - POPOVIC, Natasa - PAJOVIC, Snezana B. - DRONJAK, Sladjana.
Treadmill exercise does not change gene expression of adrenal catecholamine
biosynthetic enzymes in chronically stressed rats. In ANAIS DA ACADEMIA
BRASILEIRA DE CIENCIAS. ISSN 0001-3765, 2013, vol. 85, no. 3, pp. 999.,
WOS

[1.1] Ljubica, G., Vesna, S., Jelena, K., Snežana, P., Ana, T., Snežana, P.B.,
Sladjana, D. Chronic physical stress changes gene expression of catecholamine
biosynthetic enzymes in the adrenal medulla of adult rats. *Acta Veterinaria*,
62(2-3): 151-169, 2012, WOS

[1.1] Osuala, Kingsley; Telusma, Kathleen; Khan, Saad M. Distinctive
Left-Sided Distribution of Adrenergic-Derived Cells in the Adult Mouse Heart
PLOS ONE Volume: 6 Issue: 7 Article Number: e22811 2011, WOS

[1.2] Heffer, M., Zibar, L., Viljetic, B., Makarovic, Z. The role of stress in
heart failure - ground for sex specific pathophysiology. *Biopolymers and Cell* 27
(2) , pp. 93-106 2011, SCOPUS

- ADCA87 KRIŽANOVÁ, Oľga - OBDRZALKOVA, D. - POLÁKOVÁ, Helena -
JELOK, I. - HUDECOVÁ, Soňa. Molecular variants of the renin-angiotensin system
components in the Slovak population. In *Physiological Research*, 1997, vol. 46, no.
5, p. 357-361. (0.532 - IF1996). (1997 - Current Contents). ISSN 0862-8408.

Ohlasy:

[1.1] AL-NAJAI, Mohammed - MUIYA, Paul - TAHIR, Asma I. -
ELHAWARI, Samar - GUECO, Daisy - ANDRES, Editha - MAZHAR, Nejat -
ALTASSAN, Nada - ALSHAHID, Maie - DZIMIRI, Nduna. Association of the

angiotensinogen gene polymorphism with atherosclerosis and its risk traits in the Saudi population. In BMC CARDIOVASCULAR DISORDERS. ISSN 1471-2261, 2013, vol. 13, no., pp., WOS

[1.1] TUPITSYNA, T. V. - BONDARENKO, E. A. - KRAVCHENKO, S. A. - TATARSKYY, P. F. - SHETOVA, I. M. - SHAMALOV, N. A. - KUZNETSOVA, S. M. - SHUL&APOS;ZHENKO, D. V. - SKVORTSOVA, V. I. - SLOMINSKY, P. A. - LIVSHITS, L. A. - LIMBORSKA, S. A. Comparative analysis of associations between polymorphic variants of the F2, F5, GP1BA, and ACE genes and the risk of developing stroke in Russian and Ukrainian populations. In MOLECULAR GENETICS MICROBIOLOGY AND VIROLOGY. ISSN 0891-4168, 2013, vol. 28, no. 1, pp. 8., WOS

[1.2] Meroufel, DN - Mediene-Benchekor, S - Dumont, J - Benhamamouch, S - Amouyel, P - Brousseau T. A study on the polymorphisms of the renin-angiotensin system pathway genes for their effect on blood pressure levels in males from Algeria. In Journal of the Renin-Angiotensin-Aldosterone System. ISSN: 0862-8408, 2014, vol. 15, pp. 1-6, SCOPUS

ADCA88 KRIŽANOVÁ, Oľga - KISS, Alexander - ZACIKOVA, Ľubomíra - JEŽOVÁ, Daniela. Nitric oxide synthase mRNA levels correlate with gene expression of angiotensin II type-1 but not type-2 receptors, renin or angiotensin converting enzyme in selected brain areas. In *Physiological Research*, 2001, vol. 50, iss. 5, p. 473-480. (1.366 - IF2000). (2001 - Current Contents). ISSN 0862-8408.

Ohlasy:

[1.1] ABDULLA, M. H. - JOHNS, E. J. Nitric oxide impacts on angiotensin AT2 receptor modulation of high- pressure baroreflex control of renal sympathetic nerve activity in anaesthetized rats. In ACTA PHYSIOLOGICA. ISSN 1748-1708, 2014, vol. 210, no. 4, pp. 832., WOS

[1.1] LAZARONI, Thiago L. N. - RASLAN, Ana Claudia S. - FONTES, Walkiria R. P. - DE OLIVEIRA, Marilene L. - BADER, Michael - ALENINA, Natalia - MORAES, Marcio F. D. - DOS SANTOS, Robson A. - PEREIRA, Grace S. Angiotensin-(1-7)/Mas axis integrity is required for the expression of object recognition memory. In NEUROBIOLOGY OF LEARNING AND MEMORY. ISSN 1074-7427, 2012, vol. 97, no. 1, pp. 113., WOS

ADCA89 KRSKOVA-TYBITANCLOVA, Katarína - MACEJOVÁ, Dana - BRTKO, Július - BACULÍKOVÁ, Martina - KRIŽANOVÁ, Oľga - ZÓRAD, Štefan. Short term 13-cis-retinoic acid treatment at therapeutic doses elevates, expression of leptin, glut 4, ppar gamma and AP2 in rat adipose tissue. In *Journal of Physiology and Pharmacology*, 2008, vol. 59, iss 4., p. 731-743. (4.466 - IF2007). (2008 - Current Contents). ISSN 0867-5910.

Ohlasy:

[1.1] CETINOZMAN, Fatma - AKSOY, Duygu Yazgan - ELCIN, Gonca - YILDIZ, Bulent O. Insulin sensitivity, androgens and isotretinoin therapy in women with severe acne. In JOURNAL OF DERMATOLOGICAL TREATMENT. ISSN 0954-6634, 2014, vol. 25, no. 2, pp. 119-122., WOS

[1.1] Ertugrul DT, Karadag, AS, Tural E, Akin KO: Isotretinoin does not induce insulin resistance in patients with acne. Clin. Exp. Dermatol. 2011, 36(2): 124-128, WOS

[1.1] Pestka A, Toth B, Kuhn C, Hofmann S, Wiest I, Wypior G, Friese K, Jeschke U.: Retinoid X receptor α and retinoids are key regulators in apoptosis of

trophoblasts of patients with recurrent miscarriages. J Mol Endocrinol. 2011, 47(2): 145-156, WOS

[1.1] Snyder, R., Thekkumkara, T. 13-cis-retinoic acid specific down-regulation of angiotensin type 1 receptor in rat liver epithelial and aortic smooth muscle cells. Journal of Molecular Endocrinology, 48(2): 99-114, 2012, WOS

[1.1] TOUS, N. - LIZARDO, R. - THEIL, P. K. - VILA, B. - GISPERT, M. - FONT-I-FURNOLS, M. - ESTEVE-GARCIA, E. Effect of vitamin A depletion on fat deposition in finishing pigs, intramuscular fat content and gene expression in the longissimus muscle*. In LIVESTOCK SCIENCE. ISSN 1871-1413, 2014, vol. 167, pp. 392-399., WOS

[1.2] Declercq V., Stringer D., Hunt R., Taylor C.G., Zahradka P.: Adipokine production by adipose tissue: A novel target for treating metabolic syndrome and its sequelae. Metabolic Syndrome: Underlying Mechanisms and Drug Therapies. ISBN 978-047034342-5, 2011, p. 73-131., SCOPUS

[1.2] Zhao, W.E. - Zhao, H. - Zhang, H. - Li, Y. β -carotene and peroxisome proliferator-activated receptor gamma (Book Chapter). Beta-Carotene: Functions, Health Benefits and Adverse Effects. 2013, p. 35-58. ISBN 978-162417173-4., SCOPUS

ADCA90 KUBIN, T. - ANDO, H. - SCHOLZ, D. - BRAMLAGE, P. - KOSTIN, S. - VAN VEEN, A. - HELING, A. - HEIN, S. - FISCHER, S. - BREIER, Albert - SCHAPER, J. - SCHAPER, W. Microvascular endothelial cells remodel cultured adult cardiomyocytes and increase their survival. In *American Journal of Physiology - Heart and Circulatory Physiology*, 1999, vol. 45, iss. 6, p. H2179-H2187. ISSN 0363-6135.

Ohlasy:

[1.1] BUDDE, Thomas - HANEY, Jeanette - BIEN, Sandra - SCHWEBE, Matthias - RIAD, Alexander - TSCHOEPE, Carsten - STAUDT, Alexander - JEDLITSCHKY, Gabriele - FELIX, Stephan B. - KROEMER, Heyo K. - GRUBE, Markus. Acute Exposure to Doxorubicin Results in Increased Cardiac P-glycoprotein Expression. In JOURNAL OF PHARMACEUTICAL SCIENCES, 2011, vol.100, no.9, 3951., WOS

[1.1] ECKERLE, Lars G. - FELIX, Stephan B. - HERDA, Lars R. Measurement of Antibody Effects on Cellular Function of Isolated Cardiomyocytes. In JOVE-JOURNAL OF VISUALIZED EXPERIMENTS. ISSN 1940-087X, 2013, vol., no. 73, pp., WOS

ADCA91 KUBOVČÁKOVÁ, Lucia - TYBITANCLOVA, Katarina - SABBAN, E. L. - MAJZOU, J. - ZÓRAD, Štefan - VIETOR, I. - WAGNER, E. F. - KRIŽANOVÁ, Oľga - KVETŇANSKÝ, Richard. Catecholamine synthesizing enzymes and their modulation by immobilization stress in knockout mice. In *Stress : current neuroendocrine and genetic approaches*, 2004, vol. 1018, p. 458-465. ISSN 0077-8923.

Ohlasy:

[1.1] COSTA, V. M. - CARVALHO, F. - BASTOS, M. L. - CARVALHO, R. A. - CARVALHO, M. - REMIAO, F. Contribution of Catecholamine Reactive Intermediates and Oxidative Stress to the Pathologic Features of Heart Diseases. In CURRENT MEDICINAL CHEMISTRY, 2011, vol.18, no.15, 2272., WOS

[1.1] FAN, Yan - CHEN, Ping - LI, Ying - ZHU, Meng-Yang. Effects of

chronic social defeat on expression of dopamine beta-hydroxylase in rat brains. In SYNAPSE. ISSN 0887-4476, 2013, vol. 67, no. 6, pp. 300., WOS, SCOPUS
 [1.1] JIANG, Qijiao - GINGLES, Neill A. - OLIVIER, Marc A. - MILES, Lindsey A. - PARMER, Robert J. The anti-fibrinolytic SERPIN, plasminogen activator inhibitor 1 (PAI-1), is targeted to and released from catecholamine storage vesicles. In BLOOD, 2011, vol.117, no.26, 7155., WOS
 [1.1] UPHOUSE, Lynda - NORRIS, DO - LOPEZ, KH. Stress and Reproduction in Mammals. In HORMONES AND REPRODUCTION OF VERTEBRATES, VOL 5: MAMMALS, 2011, vol., no., pp. 117., WOS

ADCA92 KUBOVČÁKOVÁ, Lucia - KRIŽANOVÁ, Oľga - KVETŇANSKÝ, Richard. Identification of the aromatic L-amino acid decarboxylase gene expression in various mice tissues and its modulation by immobilization stress in stellate ganglia. In *Neuroscience*, 2004, vol. 126, iss. 2, p. 375-380. ISSN 0306-4522.

Ohlasy:

[1.1] CHALATSA, Ioanna - NIKOLOUZOU, Eleftheria - FRAGOULIS, Emmanuel G. - VASSILACOPOULOU, Dido. l-Dopa decarboxylase expression profile in human cancer cells. In MOLECULAR BIOLOGY REPORTS, 2011, vol.38, no.2, 1005., WOS

[1.1] Osawa, Yosuke; Kanamori, Hiromitsu; Seki, Ekihiro. L-Tryptophan-mediated Enhancement of Susceptibility to Nonalcoholic Fatty Liver Disease Is Dependent on the Mammalian Target of Rapamycin JOURNAL OF BIOLOGICAL CHEMISTRY Volume: 286 Issue: 40 Pages: 34800-34808 2011, WOS

[1.1] Pönicke, K., Gergs, U., Buchwalow, I.B., Hauptmann, S., Neumann, J. On the presence of serotonin in mammalian cardiomyocytes. Molecular and Cellular Biochemistry, 365(1-2): 301-312, 2012, WOS

[1.2] JOSÉ, Pedro A. - FELDER, Robin A. - EISNER, Gilbert M. Paracrine Regulation of Renal Function by Dopamine. In Seldin and Geibisch's The Kidney, 2013, vol. 1, pp. 539-591., SCOPUS

ADCA93 KUBOVČÁKOVÁ, Lucia - MIČUTKOVÁ, L. - BARTOŠOVÁ, Z. - KRIŽANOVÁ, Oľga - KVETŇANSKÝ, Richard - SABBAN, E. L. Identification of phenylethanolamine N-methyltransferase gene expression in stellate ganglia and its modulation by stress. In *Journal of Neurochemistry*, 2006, vol. 97, iss 5, p. 1419-1430. (2006 - Current Contents). ISSN 0022-3042.

Ohlasy:

[1.2] Endo, H., Tabuchi, M., Ashenagar, M.S., Ooshima, K., Chen, H., Higashino, H. Catecholamine and corticosteroid secretion and gene expression of the synthesizing enzymes in adrenal glands of SHRSP and WKY in response to cold stress Journal of Medical Sciences 11 (1) , pp. 19-29 2011

ADCA94 KUBOVČÁKOVÁ, Lucia - MIČUTKOVÁ, L. - SABBAN, E. L. - KRIŽANOVÁ, Oľga - KVETŇANSKÝ, Richard. Identification of tyrosine hydroxylase gene expression in rat spleen. In *Neuroscience Letters*, 2001, vol. 310, no. 2-3, p. 157-160. (2.091 - IF2000). (2001 - Current Contents). ISSN 0304-3940.

Ohlasy:

[1.1] Gavrilović, L., Stojiljković, V., Kasapović, J., Pejić, S., Todorović, A., Pajović, S.B., Dronjak, S. Forced exercise changes catecholamine synthesis in the spleen of adult rats. Journal of Neuroimmunology, 251(1-2): 1-5, 2012, WOS

[1.1] ROSVALL, Kimberly A. - PETERSON, Mark P. Behavioral effects of social challenges and genomic mechanisms of social priming: What's testosterone got to do with it? In *CURRENT ZOOLOGY*. ISSN 1674-5507, 2014, vol. 60, no. 6, pp. 791., WOS

ADCA95 KUPSÁKOVÁ, Ivana - RYBAR, Alfonz - DOČOLOMANSKÝ, Peter - DROBNÁ, Zuzana - ULRIKE, Stein - WOLFGANG, Walther - BARANČÍK, Miroslav - BREIER, Albert. Reversal of P-glycoprotein mediated vincristine resistance of L1210/VCR cells by analogues of pentoxifylline - A QSAR study. In *European Journal of Pharmaceutical Sciences*, 2004, vol.21, ., p. ISSN 0928-0987.

Ohlasy:

[1.1] CAMPOS-BEDOLLA, Patricia - WALTER, Fruzsina R. - VESZELKA, Szilvia - DELI, Maria A. Role of the Blood-Brain Barrier in the Nutrition of the Central Nervous System. In *ARCHIVES OF MEDICAL RESEARCH*. ISSN 0188-4409, 2014, vol. 45, no. 8, pp. 610., WOS

[1.1] PALMEIRA, A. - SOUSA, E. - VASCONCELOS, M. H. - PINTO, M. M. Three Decades of P-gp Inhibitors: Skimming Through Several Generations and Scaffolds. In *CURRENT MEDICINAL CHEMISTRY*. ISSN 0929-8673, 2012, vol. 19, no. 13, pp. 1946., WOS

[1.1] PATANE, Salvatore. Cancer multidrug resistance-targeted therapy in both cancer and cardiovascular system with cardiovascular drugs. In *INTERNATIONAL JOURNAL OF CARDIOLOGY*. ISSN 0167-5273, 2014, vol. 176, no. 3, pp. 1306., WOS

[1.1] PAUL, M. M. Sunil - ARAVIND, U. K. - PRAMOD, G. - SAHA, A. - ARAVINDAKUMAR, C. T. Hydroxyl radical induced oxidation of theophylline in water: a kinetic and mechanistic study. In *ORGANIC & BIOMOLECULAR CHEMISTRY*. ISSN 1477-0520, 2014, vol. 12, no. 30, pp. 5611., WOS

ADCA96 KUREJOVA, Martina - LACINOVA, Ľubica. Effect of protein tyrosine kinase inhibitors on the current through the Ca(V)3.1 channel. In *Archives of Biochemistry and Biophysics*, 2006, vol.446, issue 1, p.20-27. (3.152 - IF2005). (2006 - Current Contents). ISSN 0003-9861.

Ohlasy:

[1.1] ZHANG, Yuan - JIANG, Xinghong - SNUTCH, Terrance P. - TAO, Jin. Modulation of low-voltage-activated T-type Ca²⁺ channels. In *BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES*. ISSN 0005-2736, 2013, vol. 1828, no. 7, pp. 1550., WOS

ADCA97 KUREJOVA, Martina - UHRÍK, Branislav - SULOVA, Zdena - SEDLÁKOVÁ, Barbora - KRIŽANOVÁ, Oľga - LACINOVA, Ľubica. Changes in ultrastructure and endogenous ionic channels activity during culture of HEK 293 cell line. In *European Journal of Pharmacology*, 2007, vol. 567, iss. 1-2, p. 10-18. (2.522 - IF2006). (2007 - Current Contents). ISSN 0014-2999.

Ohlasy:

[1.1] EL-GADDAR, Amal - FRENEA-ROBIN, M. - VOYER, D. - AKA, H. - HADDOUR, N. - KRAEHENBUEHL, L. Assessment of 0.5 T Static Field Exposure Effect on Yeast and HEK Cells Using Electrorotation. In *BIOPHYSICAL JOURNAL*. ISSN 0006-3495, 2013, vol. 104, no. 8, pp. 1805., WOS

[1.1] CHEN, Chang-Yu - TU, Ting-Yuan - JONG, De-Shien - WO, Andrew

M. Ion Channel Electrophysiology via Integrated Planar Patch-Clamp Chip With On-Demand Drug Exchange. In BIOTECHNOLOGY AND BIOENGINEERING, 2011, vol.108, no.6, 1395., WOS

[1.1] CHEN, Chang-Yu - WO, Andrew M. - JONG, De-Shien. A microfluidic concentration generator for dose-response assays on ion channel pharmacology. In LAB ON A CHIP. ISSN 1473-0197, 2012, vol. 12, no. 4, pp. 794., WOS

[1.1] LANGE, Klaus. Fundamental Role of Microvilli in the Main Functions of Differentiated Cells: Outline of an Universal Regulating and Signaling System at the Cell Periphery. In JOURNAL OF CELLULAR PHYSIOLOGY, 2011, vol.226, no.4, 896., WOS

[1.1] OLIVA, Megan - BERKOVIC, Samuel F. - PETROU, Steven. Sodium channels and the neurobiology of epilepsy. In EPILEPSIA. ISSN 0013-9580, 2012, vol. 53, no. 11, pp. 1849., WOS

[1.1] PALAMOR, Mallika - JABLONSKI, Monica M. Synthesis, characterization and in vitro studies of celecoxib-loaded poly(ortho ester) nanoparticles targeted for intraocular drug delivery. In COLLOIDS AND SURFACES B-BIOINTERFACES. ISSN 0927-7765, 2013, vol. 112, no., pp. 474., WOS

[1.1] PALAMOR, Mallika - JABLONSKI, Monica M. Poly(ortho ester) Nanoparticle-Based Targeted Intraocular Therapy for Controlled Release of Hydrophilic Molecules. In MOLECULAR PHARMACEUTICS. ISSN 1543-8384, 2013, vol. 10, no. 2, pp. 701., WOS

ADCA98 KUREJOVA, Martina - PAVLOVIČOVÁ, Michaela - ESCHBACH, Martin - KLUGBAUER, Norbert - LACINOVÁ, Ľubica. The effect of the outermost basic residues in the S4 segments of the Ca(V)3.1 T-type calcium channel on channel gating. In *Pflugers Archiv-European Journal of Physiology*, 2007, vol. 455, issue 3, p. 527-539. (4.807 - IF2006). (2007 - Current Contents). ISSN 0031-6768.

Ohlasy:

[1.1] DEMERS-GIROUX, Pierre-Olivier - BOURDIN, Benoit - SAUVE, Remy - PARENT, Lucie. Cooperative Activation of the T-type Ca(V)3.2 Channel INTERACTION BETWEEN DOMAINS II AND III. In JOURNAL OF BIOLOGICAL CHEMISTRY. ISSN 0021-9258, 2013, vol. 288, no. 41, pp. 29281., WOS

ADCA99 KVETŇANSKÝ, Richard - RUSNÁK, Martin - DRONJAK, S. - KRIŽANOVÁ, Oľga - SABBAN, E. L. Effect of novel stressors on tyrosine hydroxylase gene expression in the adrenal medulla of repeatedly immobilized rats. In *Neurochemical Research*, 2003, vol. 28, iss. 3, p. 625-630. (1.672 - IF2002). ISSN 0364-3190.

Ohlasy:

[1.1] NAERT, Gaelle - IXART, Guy - MAURICE, Tanguy - TAPIA-ARANCIBIA, Lucia - GIVALOIS, Laurent. Brain-derived neurotrophic factor and hypothalamic-pituitary-adrenal axis adaptation processes in a depressive-like state induced by chronic restraint stress. In MOLECULAR AND CELLULAR NEUROSCIENCE, 2011, vol.46, no.1, 55., WOS

ADCA100 KVETŇANSKÝ, Richard - BODNAR, I. - SHAHAR, T. - UHERECZKY, G. - KRIŽANOVÁ, Oľga - MRAVEC, Boris. Effect of lesion of A5 and A7 brainstem

noradrenergic areas or transection of brainstem pathways on sympathoadrenal activity in rats during immobilization stress. In *Neurochemical Research*, 2006, vol. 31, iss. 2, p. 267-275. (2.218 - IF2005). (2006 - Current Contents). ISSN 0364-3190.

Ohlasy:

- [1.1] ZANGENEH, Farideh Zafari - ABDOLLAHI, Alireza - TAVASSOLI, Pouyan - NAGHIZADEH, Mohammad Mahdi. The effect of cold stress on polycystic ovary syndrome in rat: before and during modeling. In *ARCHIVES OF GYNECOLOGY AND OBSTETRICS*, 2011, vol.284, no.3, 651., WOS
- [1.1] ZANGENEH, Farideh Zafari - ABDOLLAHI, Alireza - AMINEE, Fatemeh - NAGHIZADEH, Mohammad Mahdi. Locus coeruleus lesions and PCOS: role of the central and peripheral sympathetic nervous system in the ovarian function of rat. In *IRANIAN JOURNAL OF REPRODUCTIVE MEDICINE*. ISSN 1680-6433, 2012, vol. 10, no. 2, pp. 113., WOS

ADCA101 KVETŇANSKÝ, Richard - KUBOVČÁKOVÁ, Lucia - TILLINGER, Andrej - MIČUTKOVÁ, L. - KRIŽANOVÁ, Oľga - SABBAN, E.L. Gene expression of phenylethanolamine N-methyltransferase in corticotropin-releasing hormone knockout mice during stress exposure. In *Cellular and Molecular Neurobiology*, 2006, vol. 26, iss. 4-6, p. 735-754. (2.022 - IF2005). (2006 - Current Contents). ISSN 0272-4340.

Ohlasy:

- [1.1] COSTA, V. M. - CARVALHO, F. - BASTOS, M. L. - CARVALHO, R. A. - CARVALHO, M. - REMIAO, F. Contribution of Catecholamine Reactive Intermediates and Oxidative Stress to the Pathologic Features of Heart Diseases. In *CURRENT MEDICINAL CHEMISTRY*, 2011, vol.18, no.15, 2272., WOS
- [1.1] EVERDS, Nancy E. - SNYDER, Paul W. - BAILEY, Keith L. - BOLON, Brad - CREASY, Dianne M. - FOLEY, George L. - ROSOL, Thomas J. - SELLERS, Teresa. Interpreting Stress Responses during Routine Toxicity Studies: A Review of the Biology, Impact, and Assessment. In *TOXICOLOGIC PATHOLOGY*. ISSN 0192-6233, 2013, vol. 41, no. 4, pp. 560., WOS
- [1.1] Feng, J.-T., Wu, X.-M., Li, X.-Z., Zou, Y.-Q., Qin, L., Hu, C.-P. Transformation of adrenal medullary chromaffin cells increases asthmatic susceptibility in pups from allergen-sensitized rats. *Respiratory Research*, 13: art. no. 99, 2012, WOS
- [1.1] GAVRILOVIC, Ljubica - STOJILJKOVIC, Vesna - KASAPOVIC, Jelena - POPOVIC, Natasa - PAJOVIC, Snezana B. - DRONJAK, Sladjana. Treadmill exercise does not change gene expression of adrenal catecholamine biosynthetic enzymes in chronically stressed rats. In *ANAIS DA ACADEMIA BRASILEIRA DE CIENCIAS*. ISSN 0001-3765, 2013, vol. 85, no. 3, pp. 999., WOS
- [1.1] HARBECK, B. - SUEFKE, S. - HARTEN, P. - HAAS, C. S. - LEHNERT, H. - MOENIG, H. High prevalence of fibromyalgia-associated symptoms in patients with hypothalamic-pituitary disorders. In *CLINICAL AND EXPERIMENTAL RHEUMATOLOGY*. ISSN 0392-856X, 2013, vol. 31, no. 6, pp. S16., WOS
- [1.1] Hu, C.-P., Zou, J.-T., Zou, Y.-Q., Li, X.-Z., Feng, J.-T. Kidney-tonifying recipe can repair alterations in adrenal medullary chromaffin cells in asthmatic rats. *Evidence-based Complementary and Alternative Medicine*, art. no. 542621, 2012, WOS
- [1.1] HU, Cheng-Ping - ZOU, Ye-Qiang - FENG, Jun-Tao - LI, Xiao-Zhao.

The Effect of Unilateral Adrenalectomy on Transformation of Adrenal Medullary Chromaffin Cells In Vivo: A Potential Mechanism of Asthma Pathogenesis. In PLOS ONE. ISSN 1932-6203, 2012, vol. 7, no. 9, pp., WOS

[1.1] KANG, S. Y. - ROH, D. H. - KIM, H. W. - HAN, H. J. - BEITZ, A. J. - LEE, J. H. Suppression of adrenal gland-derived epinephrine enhances the corticosterone-induced antinociceptive effect in the mouse formalin test. In EUROPEAN JOURNAL OF PAIN. ISSN 1090-3801, 2014, vol. 18, no. 5, pp. 617-628., WOS

[1.1] Pérez-Alvarez, A., Hernández-Vivanco, A., Alonso Y Gregorio, S., Tabernero, A., McIntosh, J.M., Albillos, A. Pharmacological characterization of native $\alpha 7$ nicotinic ACh receptors and their contribution to depolarization-elicited exocytosis in human chromaffin cells. British Journal of Pharmacology, 165(4): 908-921, 2012, WOS

[1.1] QIN, Qingwu - FENG, Juntao - HU, Chengping - CHEN, Xi - QIN, Ling - LI, Yuanyuan. Low-Intensity Aerobic Exercise Mitigates Exercise-Induced Bronchoconstriction by Improving the Function of Adrenal Medullary Chromaffin Cells in Asthmatic Rats. In TOHOKU JOURNAL OF EXPERIMENTAL MEDICINE. ISSN 0040-8727, 2014, vol. 234, no. 2, pp. 99-110., WOS

[1.1] WU, Xiu-Ming - HU, Cheng-Ping - LI, Xiao-Zhao - ZOU, Ye-Qiang - ZOU, Jun-Tao - LI, Yuan-Yuan - FENG, Jun-Tao. Asthma Pregnancy Alters Postnatal Development of Chromaffin Cells in the Rat Adrenal Medulla. In PLOS ONE, 2011, vol.6, no.5., WOS

[1.2] ETO, Kaoru - MAZILU-BROWN, Jaime K. - HENDERSON-MACLENNAN, Nicole - DIPPLE, Katrina M. - MCCABE, Edward R B. Development of catecholamine and cortisol stress responses in zebrafish. In Molecular Genetics and Metabolism Reports, 2014, vol. 1, pp. 373-377., SCOPUS

[1.2] Heffer, M., Zibar, L., Viljetic, B., Makarovic, Z. The role of stress in heart failure - ground for sex specific pathophysiology. Biopolymers and Cell 27 (2) , pp. 93-106 2011, SCOPUS

ADCA102 KVETŇANSKÝ, Richard - MICUTKOVA, L. - KUBOVČÁKOVÁ, Lucia - SABBAN, E. L. - PALKOVITS, M. - KRIŽANOVÁ, Oľga. Localization and regulation of phenylethanolamine N-methyltransferase gene expression in the heart of rats and mice during stress. In *Stress Current neuroendocrine and genetic approaches*, 2004, vol. 1018, p. 405-417. ISSN 0077-8923.

Ohlasy:

[1.1] COSTA, V. M. - CARVALHO, F. - BASTOS, M. L. - CARVALHO, R. A. - CARVALHO, M. - REMIAO, F. Contribution of Catecholamine Reactive Intermediates and Oxidative Stress to the Pathologic Features of Heart Diseases. In CURRENT MEDICINAL CHEMISTRY, 2011, vol.18, no.15, 2272., WOS

[1.1] CHENG, Ya-Fen - LEU, Hsin-Bang - SU, Ching-Chieh - HUANG, Chin-Chou - CHIANG, Chia-Hung - HUANG, Po-Hsun - CHUNG, Chia-Min - LIN, Shing-Jong - CHEN, Jaw-Wen - CHAN, Wan-Leong. Association Between Panic Disorder and Risk of Atrial Fibrillation: A Nationwide Study. In PSYCHOSOMATIC MEDICINE. ISSN 0033-3174, 2013, vol. 75, no. 1, pp. 30., WOS

[1.1] LJUBICA, Gavrilovic - VESNA, Stojiljkovic - JELENA, Kasapovic - SNEZANA, Pejic - ANA, Todorovic - SNEZANA, Pajovic B. - SLADJANA,

Dronjak. CHRONIC PHYSICAL STRESS CHANGES GENE EXPRESSION OF CATECHOLAMINE BIOSYNTHETIC ENZYMES IN THE ADRENAL MEDULLA OF ADULT RATS. In ACTA VETERINARIA-BEOGRAD. ISSN 0567-8315, 2012, vol. 62, no. 2-3, pp. 151., WOS

[1.1] OSUALA, Kingsley - TELUSMA, Kathleen - KHAN, Saad M. - WU, Shandong - SHAH, Mubarak - BAKER, Candice - ALAM, Sabikha - ABUKENDA, Ibrahim - FUENTES, Aura - SEIFEIN, Hani B. - EBERT, Steven N. Distinctive Left-Sided Distribution of Adrenergic-Derived Cells in the Adult Mouse Heart. In PLOS ONE, 2011, vol.6, no.7., WOS

[1.1] Spasojevic, N.; Gavrilovic, L.; Dronjak, S. Regulation of Catecholamine-Synthesising Enzymes and beta-Adrenoceptors Gene Expression in Ventricles of Stressed Rats PHYSIOLOGICAL RESEARCH Volume: 60 Supplement: 1 Pages: S171-S176 2011, WOS

ADCA103 KVETŇANSKÝ, Richard - MIČUTKOVÁ, L. - RYCHKOVÁ, N. - KUBOVČÁKOVÁ, Lucia - MRAVEC, Boris - FILIPENKO, M. - SABBAN, E. L. - KRIŽANOVÁ, Oľga. Quantitative evaluation of catecholamine enzymes gene expression in adrenal medulla and sympathetic ganglia of stressed rats. In *Annals of the New York Academy of Sciences*, 2004, vol. 1018, p. 356-369. (1.892 - IF2003). ISSN 0077-8923.

Ohlasy:

[1.1] Alves, G.J., Ribeiro, A., Palermo-Neto, J. The neuroimmune changes induced by cohabitation with an Ehrlich tumor-bearing cage mate rely on olfactory information. *Brain, Behavior, and Immunity*, 26(1): 32-39, 2012, WOS

[1.1] BOBROVSKAYA, Larisa - MANIAM, Jayanthi - ONG, Lin Kooi - DUNKLEY, Peter R. - MORRIS, Margaret J. Early Life Stress and Post-Weaning High Fat Diet Alter Tyrosine Hydroxylase Regulation and AT1 Receptor Expression in the Adrenal Gland in a Sex Dependent Manner. In *NEUROCHEMICAL RESEARCH*. ISSN 0364-3190, 2013, vol. 38, no. 4, pp. 826., WOS

[1.1] BOBROVSKAYA, Larisa - BEARD, Daniel - BONDARENKO, Evgeny - BEIG, Mirza I. - JOBLING, Phillip - WALKER, Frederick R. - DAY, Trevor A. - NALIVAIKO, Eugene. Does exposure to chronic stress influence blood pressure in rats? In *AUTONOMIC NEUROSCIENCE-BASIC & CLINICAL*. ISSN 1566-0702, 2013, vol. 177, no. 2, pp. 217., WOS

[1.1] FAN, Yan - CHEN, Ping - LI, Ying - ZHU, Meng-Yang. Effects of chronic social defeat on expression of dopamine beta-hydroxylase in rat brains. In *SYNAPSE*. ISSN 0887-4476, 2013, vol. 67, no. 6, pp. 300., WOS

[1.1] GAVRILOVIC, Ljubica - STOJILJKOVIC, Vesna - KASAPOVIC, Jelena - POPOVIC, Natasa - PAJOVIC, Snezana B. - DRONJAK, Sladjana. Treadmill exercise does not change gene expression of adrenal catecholamine biosynthetic enzymes in chronically stressed rats. In *ANAIS DA ACADEMIA BRASILEIRA DE CIENCIAS*. ISSN 0001-3765, 2013, vol. 85, no. 3, pp. 999., WOS

[1.1] Gavrilovic, L., Spasojevic, N., Dronjak, S., Kraemer, W.J. Modulation of catecholamine-synthesizing enzymes in adrenal medulla and stellate ganglia by treadmill exercise of stressed rats. *European Journal of Applied Physiology*, 112(3): 1177-1182, 2012, WOS

[1.1] Gavrilovic, L., Stojiljkovic, V., Kasapovic, J., Pejic, S., Todorovic, A., Pajovic S.B., Dronjak, S. Chronic physical stress changes gene expression of

catecholamine biosynthetic enzymes in the adrenal medulla of adult rats. *Acta Veterinaria*, 62(2-3): 151-169, 2012, WOS

[1.1] Gingles, NA - Bai, H - Miles, LA - Parmer, RJ. Peptidergic regulation of plasminogen activator inhibitor-1 gene expression in vivo. In *JOURNAL OF THROMBOSIS AND HAEMOSTASIS*. 2013, vol. 11, no. 9, pp. 1707-1715., WOS

ADCA104 KVETŇANSKÝ, Richard - KRIŽANOVÁ, Oľga - TILLINGER, Andrej - SABBAN, E. L. - THOMAS, Steven A. - KUBOVČÁKOVÁ, Lucia. Regulation of Gene Expression of Catecholamine Biosynthetic Enzymes in Dopamine-beta-Hydroxylase- and CRH-Knockout Mice Exposed to Stress. In *Annals of the New York Academy of Sciences*, 2008, vol. 1148, p. 257-268. (1.731 - IF2007). (2008 - Current Contents). ISSN 0077-8923.

Ohlasy:

[1.1] FAN, Yan - CHEN, Ping - LI, Ying - CUI, Kui - NOEL, Daniel M. - CUMMINS, Elizabeth D. - PETERSON, Daniel J. - BROWN, Russell W. - ZHU, Meng-Yang. Corticosterone administration up-regulated expression of norepinephrine transporter and dopamine beta-hydroxylase in rat locus coeruleus and its terminal regions. In *JOURNAL OF NEUROCHEMISTRY*. ISSN 0022-3042, 2014, vol. 128, no. 3, pp. 445-458., WOS

[1.1] FAN, Yan - CHEN, Ping - LI, Ying - ZHU, Meng-Yang. Effects of chronic social defeat on expression of dopamine beta-hydroxylase in rat brains. In *SYNAPSE*. ISSN 0887-4476, 2013, vol. 67, no. 6, pp. 300., WOS

[1.1] WANG, Qian - WANG, Manqi - WHIM, Matthew D. Neuropeptide Y Gates a Stress-Induced, Long-Lasting Plasticity in the Sympathetic Nervous System. In *JOURNAL OF NEUROSCIENCE*. ISSN 0270-6474, 2013, vol. 33, no. 31, pp. 12705., WOS

[1.2] Eto, K - Mazilu-Brown, J K - Henderson-Maclennan, N - Dipple, KM - McCabe, ERB. Development of catecholamine and cortisol stress responses in zebrafish. In *Molecular Genetics and Metabolism Reports*. ISSN: 22144269, 2014, vol. 1, pp. 373-377, SCOPUS

ADCA105 LACINOVÁ, Ľubica - KLUGBAUER, N. - HOFMANN, F. Absence of modulation of the expressed calcium channel alpha 1G subunit by alpha 2 delta subunits. In *JOURNAL OF PHYSIOLOGY*, 1999, vol. 516, issue 3, p. 639-645.

Ohlasy:

[1.1] DOLPHIN, Annette C. The alpha(2)delta subunits of voltage-gated calcium channels. In *BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES*. ISSN 0005-2736, 2013, vol. 1828, no. 7, pp. 1541., WOS

[1.1] LEE, Seungkyu. Pharmacological Inhibition of Voltage-gated Ca²⁺ Channels for Chronic Pain Relief. In *CURRENT NEUROPHARMACOLOGY*. ISSN 1570-159X, 2013, vol. 11, no. 6, pp. 606., WOS

[1.2] BAUMGART, Joel - PEREZ-REYES, Edward. Voltage-gated calcium channels. In *Ion Channels: From Structure to Function*, 2012-03-22, pp., SCOPUS

ADCA106 LACINOVÁ, Ľubica - CLEEMANN, L. - MORAD, M. Ca²⁺ Channel Modulating effects of Heparin in Mammalian Cardiac Myocytes. In *JOURNAL OF PHYSIOLOGY*, 1993, vol. 465, p. 181-201.

Ohlasy:

[1.1] MUKHINA, I. V., - KOROTCHENKO, S.A., - DITYATED, A.E. Extracellular matrix molecules, their receptors, and extracellular proteases as synaptic plasticity modulators. *NEUROCHEMICAL JOURNAL*, 2012, 6 : 89-99, WOS

ADCA107 LACINOVÁ, Ľubica - HOFMANN, F. Ca²⁺- and voltage-dependent inactivation of the expressed L-type Ca(v)1.2 calcium channel. In *Archives of Biochemistry and Biophysics*, 2005, vol. 437, iss. 1, p. 42-50. (2.657 - IF2004). (2005 - Current Contents). ISSN 0003-9861.

Ohlasy:

[1.1] PADAMSEY, Zahid - EMPTAGE, Nigel. Two sides to long-term potentiation: a view towards reconciliation. In *PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES*. ISSN 0962-8436, 2014, vol. 369, no. 1633, pp., WOS

[1.1] SAEGUSA, Noriko - MOORHOUSE, Emma - VAUGHAN-JONES, Richard D. - SPITZER, Kenneth W. Influence of pH on Ca²⁺ current and its control of electrical and Ca²⁺ signaling in ventricular myocytes. In *JOURNAL OF GENERAL PHYSIOLOGY*, 2011, vol.138, no.5, 537., WOS

[1.1] SILVA, Darizy F. - ARAUJO, Islania G. A. - ALBUQUERQUE, Jose G. F. - PORTO, Dayanne L. - DIAS, Katy L. G. - CAVALCANTE, Karla V. M. - VERAS, Robson C. - NUNES, Xirley P. - BARBOSA-FILHO, Jose M. - ARAUJO, Demetrius A. M. - CRUZ, Jader S. - CORREIA, Nadja A. - DE MEDEIROS, Isac A. Rotundifolone-Induced Relaxation is Mediated by BKCa Channel Activation and Cav Channel Inactivation. In *BASIC & CLINICAL PHARMACOLOGY & TOXICOLOGY*, 2011, vol.109, no.6, 465., WOS

[1.1] TUCKWELL, Henry C. Quantitative aspects of L-type Ca²⁺ currents. In *PROGRESS IN NEUROBIOLOGY*. ISSN 0301-0082, 2012, vol. 96, no. 1, pp. 1., WOS

ADCA108 LACINOVÁ, Ľubica - MOOSMANG, Sven - LANGWIESER, Nikole - HOFMANN, Franz - KLEPPISCH, Thomas. Ca(v)1.2 calcium channels modulate the spiking pattern of hippocampal pyramidal cells. In *Life Sciences*, 2008, vol. 82, issue 1 - 2, p. 41-49. (2.257 - IF2007). ISSN 0024-3205.

Ohlasy:

[1.1] ANEKONDA, Thimmappa S. - QUINN, Joseph F. Calcium channel blocking as a therapeutic strategy for Alzheimer's disease: The case for isradipine. In *BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR BASIS OF DISEASE*, 2011, vol.1812, no.12, 1584., WOS

[1.1] BERRIDGE, Michael J. Calcium signalling and psychiatric disease: bipolar disorder and schizophrenia. In *CELL AND TISSUE RESEARCH*. ISSN 0302-766X, 2014, vol. 357, no. 2, pp. 477., WOS

[1.1] BHAT, Shambhu - DAO, David T. - TERRILLION, Chantelle E. - ARAD, Michal - SMITH, Robert J. - SOLDATOV, Nikolai M. - GOULD, Todd D. CACNA1C (Ca(v)1.2) in the pathophysiology of psychiatric disease. In *PROGRESS IN NEUROBIOLOGY*. ISSN 0301-0082, 2012, vol. 99, no. 1, pp. 1., WOS

[1.1] DIETSCHE, Bruno - BACKES, Heidelore - LANERI, Davide - WEIKERT, Thomas - WITT, Stephanie H. - RIETSCHEL, Marcella - SOMMER, Jens - KIRCHER, Tilo - KRUG, Axel. The impact of a CACNA1C

gene polymorphism on learning and hippocampal formation in healthy individuals: A diffusion tensor imaging study. In NEUROIMAGE. ISSN 1053-8119, 2014, vol. 89, no., pp. 256., WOS

[1.1] HASREITER, Julia - GOLDNAGL, Lena - BOEHM, Stefan - KUBISTA, Helmut. Ca(v)1.2 and Ca(v)1.3 L-type calcium channels operate in a similar voltage range but show different coupling to Ca²⁺-dependent conductances in hippocampal neurons. In AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY. ISSN 0363-6143, 2014, vol. 306, no. 12, pp. C1200., WOS

[1.1] CHEN, Chien-Chang - SHEN, Jhe-Wei - CHUNG, Ni-Chun - MIN, Ming-Yuan - CHENG, Sin-Jong - LIU, Ingrid Y. Retrieval of Context-Associated Memory is Dependent on the Ca(v)3.2 T-Type Calcium Channel. In PLOS ONE. ISSN 1932-6203, 2012, vol. 7, no. 1, pp., WOS

[1.1] KRATZER, Stephan - MATTUSCH, Corinna - METZGER, Michael W. - DEDIC, Nina - NOLL-HUSSONG, Michael - KAFITZ, Karl W. - EDER, Matthias - DEUSSING, Jan M. - HOLSBOER, Florian - KOCHS, Eberhard - RAMMES, Gerhard. Activation of CRH receptor type 1 expressed on glutamatergic neurons increases excitability of CA1 pyramidal neurons by the modulation of voltage-gated ion channels. In FRONTIERS IN CELLULAR NEUROSCIENCE. ISSN 1662-5102, 2013, vol. 7, no., pp., WOS

[1.2] GHOTBEDDIN, Zohre - MIRNAJAFI-ZADEH, Javad - SEMNANIAN, Saeed - JANAHMADI, Mahyar. Electrophysiological study of amygdale-induced changes in the excitability of CA1 hippocampal pyramidal neurons in male adult rats. In Physiology and Pharmacology. ISSN 17350581, 2012-01-01, 16, 1, pp. 33-43., SCOPUS

[1.2] JASKOVA, Katarina - PAVLOVICOVA, Michaela - JURKOVICOVA, Dana. Calcium transporters and their role in the development of neuronal disease and neuronal damage. In GENERAL PHYSIOLOGY AND BIOPHYSICS. ISSN 0231-5882, 2012, vol. 31, no. 4, pp. 375., WOS

[1.2] STRIESSNIG, Jörg - PINGGERA, Alexandra - KAUR, Gurjot - BOCK, Gabriella - TULUC, Petronel. L-type Ca²⁺ channels in heart and brain. In Wiley Interdisciplinary Reviews: Membrane Transport and Signaling. ISSN 2190460X, 2014-03-01, 3, 2, pp. 15-38., SCOPUS

ADCA109 LACINOVA, Ľubica - AN, R. H. - XIA, J. - ITO, H. - KLUGBAUER, N. - TRIGGLE, D. - HOFMANN, F. - KASS, R. S. Distinctions in the molecular determinants of charged and neutral dihydropyridine block of L-type calcium channels. In *Journal of Pharmacology and Experimental Therapeutics*, 1999, vol. 289, iss. 3, p. 1472-1479. ISSN 0022-3565.

Ohlasy:

[1.1] LIN, Min - ALADEJEBI, Oluyemi - HOCKERMAN, Gregory H. Distinct properties of amlodipine and nicardipine block of the voltage-dependent Ca²⁺ channels Ca(v)1.2 and Ca(v)2.1 and the mutant channels Ca(v)1.2/Dihydropyridine insensitive and Ca(v)2.1/Dihydropyridine sensitive. In EUROPEAN JOURNAL OF PHARMACOLOGY, 2011, vol.670, no.1, 105., WOS

ADCA110 LACINOVA, Ľubica - KUREJOVA, Martina - KLUGBAUER, N. - HOFMANN, F. Gating of the expressed T-type Ca(v)3.1 calcium channels is

modulated by Ca^{2+} . In *Acta Physiologica*, 2006, vol. 186, issue 4, p. 249-260. (2006 - Current Contents). ISSN 1748-1708.

Ohlasy:

[1.2] KU, Wen Hsin - SCHNEIDER, Stephen P. Multiple T-type Ca^{2+} current subtypes in electrophysiologically characterized hamster dorsal horn neurons: Possible role in spinal sensory integration. In *Journal of Neurophysiology*. ISSN 00223077, 2011-11-01, 106, 5, pp. 2486-2498., SCOPUS

ADCA111 LACINOVA, Ľubica - KLUGBAUER, N. - HOFMANN, F. Gating of the expressed $\text{Ca}_v3.1$ calcium channel. In *FEBS Letters : Federation of European Biochemical Societies Letters for the Rapid Publication of Short Reports in Biochemistry, Biophysics and Molecular Biology*, 2002, vol. 531, iss. 2, p. 235-240. ISSN 0014-5793.

Ohlasy:

[1.1] PEREZ-REYES, Edward - LEE, Jung-Ha. Ins and outs of T-channel structure function. In *PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY*. ISSN 0031-6768, 2014, vol. 466, no. 4, pp. 627., WOS

ADCA112 LACINOVA, Ľubica - WELLING, A. - BOSSE, E. - RUTH, P. - FLOCKERZI, V. - HOFMANN, F. Interaction of RO-40-5967 and verapamil with the stably expressed $\text{ALPHA}(1)$ -subunit of the cardiac L-type calcium-channel. In *J.Pharmacol.Exp.Ther.*, 1995, vol. 274, p. 54-63.

Ohlasy:

[1.1] SANCHEZ-PASTOR, E. - ANDRADE, F. - SANCHEZ-PASTOR, J. M. - ELIZALDE, A. - HUERTA, M. - VIRGEN-ORTIZ, A. - TRUJILLO, X. - RODRIGUEZ-HERNANDEZ, A. Cannabinoid receptor type 1 activation by arachidonylcyclopropylamide in rat aortic rings causes vasorelaxation involving calcium-activated potassium channel subunit α_1 and calcium channel, voltage-dependent, L type, $\alpha_1\text{C}$ subunit. In *EUROPEAN JOURNAL OF PHARMACOLOGY*. ISSN 0014-2999, 2014, vol. 729, no., pp. 100., WOS
[1.1] STEINBACH, C. - FERDOROVA, G. - PROKES, M. - GRABICOVA, K. - MACHOVA, J. - GRABIC, R. - VALENTOVA, O. - KROUPOVA, H. K. Toxic effects, bioconcentration and depuration of verapamil in the early life stages of common carp (*Cyprinus carpio* L.). In *SCIENCE OF THE TOTAL ENVIROMENT*. 2013, vol. 461, p. 198-206., WOS

ADCA113 LACINOVA, Ľubica - HOFMANN, F. Isradipine interacts with the open state of the L-type calcium channel at high concentrations. In *RECEPTORS AND CHANNELS*, 1998, vol. 6, issue 3, p. 153-164.

Ohlasy:

[1.1] LIN, Min - ALADEJEBI, Oluyemi - HOCKERMAN, Gregory H. Distinct properties of amlodipine and nicardipine block of the voltage-dependent Ca^{2+} channels $\text{Ca}_v1.2$ and $\text{Ca}_v2.1$ and the mutant channels $\text{Ca}_v1.2/\text{Dihydropyridine}$ insensitive and $\text{Ca}_v2.1/\text{Dihydropyridine}$ sensitive. In *EUROPEAN JOURNAL OF PHARMACOLOGY*, 2011, vol.670, no.1, 105., WOS

ADCA114 LACINOVA, Ľubica - KLUGBAUER, N. Modulation of gating currents of the $\text{Ca}_v3.1$ calcium channel by $\alpha(2)\delta(2a)$ and $\gamma(5)$ subunits. In *Archives*

of Biochemistry and Biophysics, 2004, vol. 425, issue 2, p. 207-213. (2.338 - IF2003). (2004 - Current Contents). ISSN 0003-9861.

Ohlasy:

[1.1] CIOLI, Claudia - ABDI, Herve - BEATON, Derek - BURNOD, Yves - MESMOUDI, Salma. Differences in Human Cortical Gene Expression Match the Temporal Properties of Large-Scale Functional Networks. In PLOS ONE. ISSN 1932-6203, 2014, vol. 9, no. 12, pp., WOS

[1.1] KUO, Ivana Y.T. - WOELFLE, Stephanie E. - HILL, Caryl E. T-type calcium channels and vascular function: the new kid on the block? In JOURNAL OF PHYSIOLOGY-LONDON, 2011, vol.589, no.4, 783., WOS

[1.2] Baumgart, J., Perez-Reyes, E. Voltage-gated calcium channels (Book Chapter) In: Ion Channels: From Structure to Function, 2012, SCOPUS

ADCA115 LACINOVA, Lúbia - KLUGBAUER, N. - HOFMANN, F. Regulation of the calcium channel $\alpha(1G)$ subunit by divalent cations and organic blockers. In *NEUROPHARMACOLOGY*, 2000, vol. 39, issue 7, p. 1254-1266.

Ohlasy:

[1.1] BENTON, Mark D. - LEWIS, Amanda H. - BANT, Jason S. - RAMAN, Indira M. Iberitoxin-sensitive and insensitive BK currents in Purkinje neuron somata. In JOURNAL OF NEUROPHYSIOLOGY. ISSN 0022-3077, 2013, vol. 109, no. 10, pp. 2528., WOS

[1.1] KOZLOWSKI, H. - KOLKOWSKA, P. - WATLY, J. - KRZYWOSZYNSKA, K. - POTOCKI, S. General Aspects of Metal Toxicity. In CURRENT MEDICINAL CHEMISTRY. ISSN 0929-8673, 2014, vol. 21, no. 33, pp. 3721., WOS

[1.1] LOPEZ-CHARCAS, Osbaldo - RIVERA, Manuel - GOMORA, Juan C. Block of Human Ca(V)_3 Channels by the Diuretic Amiloride. In MOLECULAR PHARMACOLOGY. ISSN 0026-895X, 2012, vol. 82, no. 4, pp. 658., WOS

[1.1] LOPIN, Kyle V. - THEVENOD, Frank - PAGE, Jessica C. - JONES, Stephen W. Cd^{2+} Block and Permeation of $\text{Ca(V)}_3.1$ ($\alpha 1G$) T-Type Calcium Channels: Candidate Mechanism for Cd^{2+} Influx. In MOLECULAR PHARMACOLOGY. ISSN 0026-895X, 2012, vol. 82, no. 6, pp. 1183., WOS

[1.1] MESIRCA, Pietro - TORRENTE, Angelo G. - MANGONI, Matteo E. T-type channels in the sino-atrial and atrioventricular pacemaker mechanism. In PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY. ISSN 0031-6768, 2014, vol. 466, no. 4, pp. 791., WOS

[1.1] POTOCKI, S. - ROWINSKA-ZYREK, M. - WITKOWSKA, D. - PYRKOSZ, M. - SZEBESCZYK, A. - KRZYWOSZYNSKA, K. - KOZLOWSKI, H. Metal Transport and Homeostasis within the Human Body: Toxicity Associated with Transport Abnormalities. In CURRENT MEDICINAL CHEMISTRY. ISSN 0929-8673, 2012, vol. 19, no. 17, pp. 2738., WOS

[1.1] TAI, Chun-Hwei - YANG, Ya-Chin - PAN, Ming-Kai - HUANG, Chen-Syuan - KUO, Chung-Chin. Modulation of subthalamic T-type Ca^{2+} channels remedies locomotor deficits in a rat model of Parkinson disease. In JOURNAL OF CLINICAL INVESTIGATION, 2011, vol.121, no.8, 3289., WOS

[1.2] SUPPIRAMANIAM, V. - BUABEID, M. - BHATTACHARYA, S. - PARAMESHWARAN, K. Ion Channels. In Reference Module in Biomedical Research, 2014-12-15, pp., SCOPUS

ADCA116 LACINOVÁ, Ľubica - KLUGBAUER, N. - HOFMANN, F. State- and isoform-dependent interaction of isradipine with the $\alpha(1C)$ L-type calcium channel. In *Pflugers Archiv-European Journal of Physiology*, 2000, vol. 440, iss. 1, p. 50-60. ISSN 0031-6768.

Ohlasy:

[1.1] ANEKONDA, Thimmappa S. - QUINN, Joseph F. Calcium channel blocking as a therapeutic strategy for Alzheimer's disease: The case for isradipine. In *BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR BASIS OF DISEASE*. ISSN 0925-4439, 2011, vol. 1812, no. 12, pp. 1584., WOS

[1.1] LEE, Margaret S. - LAWTON, G - WITTY, DR. Recent Progress in the Discovery and Development of N-Type Calcium Channel Modulators for the Treatment of Pain. In *PROGRESS IN MEDICINAL CHEMISTRY*, VOL 53. ISSN 0079-6468, 2014, vol. 53, no., pp. 147., WOS

[1.1] SHENG, Xiaona - NAKADA, Tsutomu - KOBAYASHI, Motohiro - KASHIHARA, Toshihide - SHIBAZAKI, Toshihide - HORIUCHI-HIROSE, Miwa - GOMI, Simmon - HIROSE, Masamichi - AOYAMA, Toshifumi - YAMADA, Mitsuhiko. Two mechanistically distinct effects of dihydropyridine nifedipine on $\text{Ca(V)}1.2$ L-type Ca^{2+} channels revealed by Timothy syndrome mutation. In *EUROPEAN JOURNAL OF PHARMACOLOGY*. ISSN 0014-2999, 2012, vol. 685, no. 1-3, pp. 15., WOS

ADCA117 LAKATOŠ, B. - KAISEROVÁ, K. - ŠIMKOVIČ, M. - ORLICKÝ, Jozef - KNEZL, Vladimír - VAREČKA, Ľudovít. The effect of boromycin on the Ca^{2+} homeostasis. In *Molecular and Cellular Biochemistry*. - Dordrecht : Springer, 2002, vol. 231, p. 15-22. (1.583 - IF2001). (2002 - Current Contents). ISSN 0300-8177.

Ohlasy:

[1.1] DEMBITSKY, V.M. - AL QUNTAR, A.A. - SREBNIK, M. Natural and Synthetic Small Boron-Containing Molecules as Potential Inhibitors of Bacterial and Fungal Quorum Sensing. In *CHEMICAL REVIEWS*. ISSN 0009-2665, 2011, vol. 111, no. 1, p. 209-237., WOS

[1.1] RAJA, N.S. - SANKARANARAYANAN, K. - DHATHATHREYAN, A. - NAIR, B.U. Interaction of chromium(III) complexes with model lipid bilayers: Implications on cellular uptake. In *BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES*. ISSN 0005-2736, 2011, vol. 1808, no. 1, p. 332-340., WOS

ADCA118 LAUKOVÁ, Marcela - VARGOVIČ, Peter - CSÁDEROVÁ, Lucia - CHOVANOVÁ, Lucia - VLČEK, Miroslav - IMRICH, Richard - KRIŽANOVÁ, Oľga - KVETŇANSKÝ, Richard. Acute stress differently modulates Beta 1, Beta 2 and Beta 3 adrenoceptors in T cells, but not in B cells, from the rat spleen. In *Neuroimmunomodulation*, 2012, vol.19, no. 2, p. 69-78. (2.383 - IF2011). (2012 - Current Contents). ISSN 1021-7401. VEGA 2/0036/11, 2/0188/09, 2/0049/10, NFM/EEA SK0095.

Ohlasy:

[1.1] EVERDS, Nancy E. - SNYDER, Paul W. - BAILEY, Keith L. - BOLON, Brad - CREASY, Dianne M. - FOLEY, George L. - ROSOL, Thomas J. - SELLERS, Teresa. Interpreting Stress Responses during Routine Toxicity Studies: A Review of the Biology, Impact, and Assessment. In *TOXICOLOGIC PATHOLOGY*. ISSN 0192-6233, 2013, vol. 41, no. 4, pp. 560-614., WOS

[1.1] PASUPULETI, Latha V. - COOK, Kristin M. - SIFRI, Ziad C. -

ALZATE, Walter D. - LIVINGSTON, David H. - MOHR, Alicia M. Do all A-blockers attenuate the excess hematopoietic progenitor cell mobilization from the bone marrow following trauma/hemorrhagic shock? In JOURNAL OF TRAUMA AND ACUTE CARE SURGERY. ISSN 2163-0755, 2014, vol. 76, no. 4, pp. 970-975., WOS

[1.2] Liezmann, C., Stock, D., Peters, E.M.J. Stress induced neuroendocrine-immune plasticity: A role for the spleen in peripheral inflammatory disease and inflammaging? Dermato-Endocrinology, 4(3), 2012, SCOPUS

ADCA119 LAUKOVÁ, Marcela - VARGOVIČ, Peter - VLČEK, Miroslav - LEJAVOVÁ, Katarína - HUDECOVÁ, Soňa - KRIŽANOVÁ, Oľga - KVETŇANSKÝ, Richard. Catecholamine production is differently regulated in splenic T- and B-cells following stress exposure. In *Immunobiology*, 2013, vol. 218, p. 780-789. (2.814 - IF2012). (2013 - Current Contents). ISSN 0171-2985. VEGA 2/0188/09, 2/0036/11, 2/0049/10.

Ohlasy:

[1.1] URBINA, Mary - ARROYO, Ruben - LIMA, Lucimey. 5-HT7 Receptors and Tryptophan Hydroxylase in Lymphocytes of Rats: Mitogen Activation, Physical Restraint or Treatment with Reserpine. In NEUROIMMUNOMODULATION. ISSN 1021-7401, 2014, vol. 21, no. 5, pp. 240-249., WOS

[1.1] WANG, Dan - CHEN, Yiming - JIANG, Jianbin - ZHOU, Aihua - PAN, Lulu - CHEN, Qi - QIAN, Yan - CHU, Maoping - CHEN, Chao. Carvedilol has stronger anti-inflammation and anti-virus effects than metoprolol in murine model with coxsackievirus B3-induced viral myocarditis. In GENE. ISSN 0378-1119, 2014, vol. 547, no. 2, pp. 195-201., WOS

[1.1] ZHA, Ji - SMITH, Annalise - ANDREANSKY, Samita - BRACCHI-RICARD, Valerie - BETHEA, John R. Chronic thoracic spinal cord injury impairs CD8(+) T-cell function by up-regulating programmed cell death-1 expression. In JOURNAL OF NEUROINFLAMMATION. ISSN 1742-2094, 2014, vol. 11., WOS

ADCA120 LAUKOVÁ, Marcela - VARGOVIČ, Peter - KRIŽANOVÁ, Oľga - KVETŇANSKÝ, Richard. Repeated Stress Down-Regulates beta(2)- and alpha (2C)-Adrenergic Receptors and Up-Regulates Gene Expression of IL-6 in the Rat Spleen. In *Cellular and Molecular Neurobiology*, 2010, vol. 30, n. 7, p. 1077-1087. (2.107 - IF2009). (2010 - Current Contents). ISSN 0272-4340.

Ohlasy:

[1.1] KIDO, Takamasa - TSUNODA, Masashi - KASAI, Tatsuya - SASAKI, Toshiaki - UMEDA, Yumi - SENOH, Hideki - YANAGISAWA, Hiroyuki - ASAKURA, Masumi - AIZAWA, Yoshiharu - FUKUSHIMA, Shoji. The increases in relative mRNA expressions of inflammatory cytokines and chemokines in splenic macrophages from rats exposed to multi-walled carbon nanotubes by whole-body inhalation for 13 weeks. In INHALATION TOXICOLOGY. ISSN 0895-8378, 2014, vol. 26, no. 12, pp. 750., WOS

[1.1] Wang, RP., Yao, Q. Xiao, YB., Zhu, SB., Yang, L., Feng, JM., Li, DZ., Li, XL., Wu, JJ., Chen, J., Toll-like receptor 4/nuclear factor-kappa B pathway is involved in myocardial injury in a rat chronic stress model

ADCA121 LENČEŠOVÁ, Ľubomíra - ŠÍROVÁ, Marta - CSÁDEROVÁ, Lucia - LAUKOVÁ, Marcela - SULOVA, 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] 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

ADCA122 LENČEŠOVÁ, Ľubomíra - ONDRIAŠ, Karol - MIČUTKOVÁ, L. - FILIPENKO, M. - KVETŇANSKÝ, Richard - KRIŽANOVÁ, Oľga. Immobilization stress elevates IP3 receptor mRNA in adult rat hearts in a glucocorticoid-dependent manner. In *FEBS Letters*, 2002, vol. 531, iss. 3, p. 432-436. ISSN 0014-5793.

Ohlasy:

[1.1] COSTA, V. M. - CARVALHO, F. - BASTOS, M. L. - CARVALHO, R. A. - CARVALHO, M. - REMIAO, F. Contribution of Catecholamine Reactive Intermediates and Oxidative Stress to the Pathologic Features of Heart Diseases. In *CURRENT MEDICINAL CHEMISTRY*, 2011, vol.18, no.15, 2272-2314., WOS

ADCA123 LENČEŠOVÁ, Ľubomíra - O NEIL, A. - RESNECK, W.G. - BLOCH, R.J. - BLAUSTEIN, M.P. Plasma membrane-cytoskeleton-endoplasmic reticulum complexes in neurons and astrocytes. In *Journal of Biological Chemistry*, 2004, vol. 279, no. 4, p. 2885-2893. (6.482 - IF2003). (2004 - Current Contents). ISSN 0021-9258.

Ohlasy:

[1.1] DE JUAN-SANZ, Jaime - NUNEZ, Enrique - ZAFRA, Francisco - BERROCAL, Maria - CORBACHO, Isaac - IBANEZ, Ignacio - ARRIBAS-GONZALEZ, Esther - MARCOS, Daniel - LOPEZ-CORCUERA, Beatriz - MATA, Ana M. - ARAGON, Carmen. Presynaptic Control of Glycine Transporter 2 (GlyT2) by Physical and Functional Association with Plasma Membrane Ca²⁺-ATPase (PMCA) and Na⁺-Ca²⁺ Exchanger (NCX). In *JOURNAL OF BIOLOGICAL CHEMISTRY*. ISSN 0021-9258, 2014, vol. 289, no. 49, pp. 34308., WOS

[1.1] SCHACK, Vivien Rodacker - HOLM, Rikke - VILSEN, Bente. Inhibition of Phosphorylation of Na⁺,K⁺-ATPase by Mutations Causing Familial Hemiplegic Migraine. In *JOURNAL OF BIOLOGICAL CHEMISTRY*. ISSN 0021-9258, 2012, vol. 287, no. 3, pp. 2191., WOS

[1.1] ZUP, S. L. - EDWARDS, N. S. - MCCARTHY, M. M. SEX- AND AGE-DEPENDENT EFFECTS OF ANDROGENS ON GLUTAMATE-INDUCED CELL DEATH AND INTRACELLULAR CALCIUM REGULATION IN THE DEVELOPING HIPPOCAMPUS. In

NEUROSCIENCE. ISSN 0306-4522, 2014, vol. 281, no., pp. 77., WOS

[1.2] KRIVOL, I. I. Functional interactions of Na,K-ATPase with molecular environment. In Biophysics (Russian Federation). ISSN 00063509, 2014-01-01, 59, 5, pp. 708-717., SCOPUS

[1.2] VERKHRATSKY, Alexei A. - BUTT, Arthur M. Glial Physiology and Pathophysiology. In Glial Physiology and Pathophysiology, 2013-02-17, pp., SCOPUS

ADCA124 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. APVV-0045-11, VEGA 2/0074/13, CEMAN.

Ohlasy:

[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

[1.1] Ivanova, H (Ivanova, Hristina)[1] ; Vervliet, T (Vervliet, Tim)[1] ; Missiaen, L (Missiaen, Ludwig)[1] ; Parys, JB (Parys, Jan B.)[1] ; De Smedt, H (De Smedt, Humbert)[1] ; Bultynck, G Inositol 1,4,5-trisphosphate receptor-isoform diversity in cell death and survival BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH Volume: 1843 Issue: 10 Pages: 2164-2183 Special Issue: SI, 2014, WOS

[1.1] Potenza, DM (Potenza, Duilio Michele)[1] ; Guerra, G (Guerra, Germano)[2] ; Avanzato, D (Avanzato, Daniele)[3] ; Poletto, V (Poletto, Valentina)[4] ; Pareek, S (Pareek, Sumedha)[1] ; Guido, D (Guido, Daniele)[1] ; Gallanti, A (Gallanti, Angelo)[5] ; Rosti, V (Rosti, Vittorio)[4] ; Munaron, L (Munaron, Luca)[3] ; Tanzi, F (Tanzi, Franco)[1] ; Moccia, F Hydrogen sulphide triggers VEGF-induced intracellular Ca²⁺ signals in human endothelial cells but not in their immature progenitors CELL CALCIUM Volume: 56 Issue: 3 Pages: 225-234, 2014, WOS

ADCA125 LI, X. G. - MALATHI, K. - KRIŽANOVÁ, Oľga - ONDRIAŠ, Karol - SPERBER, K. - ABLAMUNITS, V. - JAYARAMAN, T. Cdc2/cyclin B1 interacts with and modulates inositol 1,4,5-trisphosphate receptor (type 1) functions. In *Journal of immunology*, 2005, vol. 175, iss. 9, p. 6205-6210. (2005 - Current Contents). ISSN 0022-1767.

Ohlasy:

[1.1] BOROWIEC, Anne-Sophie - BIDAUX, Gabriel - TACINE, Rachida - DUBAR, Pauline - PIGAT, Natascha - DELCOURT, Philippe - MIGNEN, Olivier - CAPIOD, Thierry. Are Orail and Orai3 channels more important than calcium influx for cell proliferation? In BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH. ISSN 0167-4889, 2014, vol. 1843, no. 2, pp. 464., WOS

[1.1] CAPIOD, Thierry. Cell proliferation, calcium influx and calcium channels. In BIOCHIMIE, 2011, vol.93, no.12, 2075., WOS

[1.1] CAPIOD, Thierry. The Need for Calcium Channels in Cell

Proliferation. In RECENT PATENTS ON ANTI-CANCER DRUG DISCOVERY. ISSN 1574-8928, 2013, vol. 8, no. 1, pp. 4., WOS

[1.1] HAUN, Shirley - SUN, Lu - HUBRACK, Satanay - YULE, David - MACHACA, Khaled. Phosphorylation of the rat Ins(1,4,5)P-3 receptor at T930 within the coupling domain decreases its affinity to Ins(1,4,5)P-3. In CHANNELS. ISSN 1933-6950, 2012, vol. 6, no. 5, pp. 379., WOS

[1.1] IVANOVA, Hristina - VERVLIT, Tim - MISSIAEN, Ludwig - PARYS, Jan B. - DE SMEDT, Humbert - BULTYNCK, Geert. Inositol 1,4,5-trisphosphate receptor-isoform diversity in cell death and survival. In BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH. ISSN 0167-4889, 2014, vol. 1843, no. 10, pp. 2164., WOS

[1.1] TAMMA, Grazia - RANIERI, Marianna - DI MISE, Annarita - SPIRLI, Alessia - RUSSO, Annamaria - SVELTO, Maria - VALENTI, Giovanna. Effect of Roscovitine on Intracellular Calcium Dynamics: Differential Enantioselective Responses. In MOLECULAR PHARMACEUTICS. ISSN 1543-8384, 2013, vol. 10, no. 12, pp. 4620., WOS

[1.1] WAKAI, Takuya - VANDERHEYDEN, Veerle - YOON, Sook-Young - CHEON, Banyoon - ZHANG, Nan - PARYS, Jan B. - FISSORE, Rafael A. Regulation of inositol 1,4,5-trisphosphate receptor function during mouse oocyte maturation. In JOURNAL OF CELLULAR PHYSIOLOGY, 2012, vol.227, no.2, 705., WOS

[1.1] WAKAI, T. - VANDERHEYDEN, V. - FISSORE, R.A. Ca(2+) Signaling During Mammalian Fertilization: Requirements, Players, and Adaptations. In COLD SPRING HARBOR PERSPECTIVES IN BIOLOGY. ISSN 1943-0264, APR 2011, vol. 3, no. 4., WOS

ADCA126 LIPSKÁ, Elena - NOVOTOVÁ, Marta - RADZYUKEVICH, T. - ZAHRADNÍK, Ivan. Ultrastructural changes accompanying development of fatigue in frog twitch skeletal muscle fibres. In *Endocrine Regulations*, 2005, vol. 39, no. 2, p. 43-52. ISSN 1210-0668.

Ohlasy:

[1.2] GRASA, J. - SIERRA, M. - MUÑOZ, M. J. - SOTERAS, F. - OSTA, R. - CALVO, B. - MIANA-MENA, F. J. On simulating sustained isometric muscle fatigue: a phenomenological model considering different fiber metabolisms. In *Biomechanics and Modeling in Mechanobiology*. ISSN 16177959, 2014-01-01, 13, 6, pp. 1373-1385., SCOPUS

ADCA127 LUKÁČOVÁ, Nadežda - ČÍŽKOVÁ, Dáša - KRIŽANOVÁ, Oľga - PAVEL, Jaroslav - MARŠALA, Martin - MARŠALA, Jozef. Peripheral axotomy affects nicotinamide adenine dinucleotide phosphate diaphorase and nitric oxide synthases in the spinal cord of the rabbit. In *Journal of Neuroscience Research*, 2003, vol. 71, issue 2, p. 300-313. ISSN 0360-4012.

Ohlasy:

[1.1] PATLEVIC, Peter - VASKOVA, Janka - VASKO, Ladislav - KLUCHOVA, Darina. Postnatal Development of Spinal Cord and Liver Antioxidant Status in the Young of Retinol-Overdosed Female Rats. In *ZEITSCHRIFT FÜR NATURFORSCHUNG SECTION C-A JOURNAL OF BIOSCIENCES*. ISSN 0939-5075, MAR-APR 2013, vol. 68, no. 3-4, p. 155-163., WOS

[1.1] RIGON, F. - ROSSATO, D. - AULER, V. B. - DAL BOSCO, L. -

FACCIONI-HEUSER, M. C. - PARTATA, W. A. Effects of sciatic nerve transection on ultrastructure, NADPH-diaphorase reaction and serotonin-, tyrosine hydroxylase-, c-Fos-, glucose transporter 1-and 3-like immunoreactivities in frog dorsal root ganglion. In BRAZILIAN JOURNAL OF MEDICAL AND BIOLOGICAL RESEARCH. ISSN 0100-879X, JUN 2013, vol. 46, no. 6, p. 513-520., WOS

[1.1] WANG, Hsin-Ying - TSAI, Yi-Ju - CHEN, Seu-Hwa - LIN, Chi-Te - LUE, June-Horng. Nitric Oxide Implicates c-Fos Expression in the Cuneate Nucleus Following Electrical Stimulation of the Transected Median Nerve. In NEUROCHEMICAL RESEARCH. ISSN 0364-3190, JAN 2012, vol. 37, no. 1, p. 84-95., WOS

[1.1] WANG, Hsin-Ying - TSAI, Yi-Ju - CHEN, Seu-Hwa - LIN, Chi-Te - LUE, June-Horng. Lysophosphatidylcholine causes neuropathic pain via the increase of neuronal nitric oxide synthase in the dorsal root ganglion and cuneate nucleus. In PHARMACOLOGY BIOCHEMISTRY AND BEHAVIOR. ISSN 0091-3057, MAY 2013, vol. 106, p. 47-56., WOS

ADCA128 LUKÁČOVÁ, Nadežda - KISUCKÁ, Alexandra - KOLESÁR, Dalibor - KOLESÁROVÁ, Mária - SCHREIBEROVÁ, Andrea - LACKOVÁ, Monika - KRIŽANOVÁ, Oľga - MARŠALA, Martin - MARŠALA, Jozef. The effect of N-nitro-L-arginine and aminoguanidine treatment on changes in constitutive and inducible nitric oxide synthases in the spinal cord after sciatic nerve transection. In *International Journal of Molecular Medicine*, 2008, vol. 21, p. 413-421. (1.847 - IF2007). (2008 - Current Contents). ISSN 1107-3756.

Ohlasy:

[1.1] CAMARGO, E. A. - SANTANA, D. G. - SILVA, C. I. - TEIXEIRA, S. A. - TOYAMA, M. H. - COTRIM, C. - LANDUCCI, E. C. T. - ANTUNES, E. - MUSCARA, M. N. - COSTA, S. K. P. Inhibition of inducible nitric oxide synthase-derived nitric oxide as a therapeutical target for acute pancreatitis induced by secretory phospholipase A(2). In EUROPEAN JOURNAL OF PAIN. ISSN 1090-3801, MAY 2014, vol. 18, no. 5, p. 691-700., WOS

[1.1] RIGON, F.- ROSSATO, D.- AULER, V. B.- DAL BOSCO, L.- FACCIONI-HEUSER, M. C.- PARTATA, W. A. Effects of sciatic nerve transection on ultrastructure, NADPH-diaphorase reaction and serotonin-, tyrosine hydroxylase-, c-fos-, glucose transporter 1-and 3-like immunoreactivities in frog dorsal root ganglion. In BRAZILIAN JOURNAL OF MEDICAL AND BIOLOGICAL RESEARCH. ISSN: 0100-879X , 2013, vol. 46, no.6, p. 513-520., WOS

ADCA129 MACEJOVÁ, Dana - KRIŽANOVÁ, Oľga - BRTKO, Július. Different mRNA expression profiling of nuclear retinoid, thyroid, estrogen and PPARgamma receptors, their coregulators and selected genes in rat liver and spleen in response to short-term in vivo administration of 13-cis retinoic acid. In *Toxicology Letters*, 2009, vol. 184, iss. 2, p.114-120. (3.249 - IF2008). (2009 - Current Contents). ISSN 0378-4274.

Ohlasy:

[1.1] SNYDER, Russell - THEKKUMKARA, Thomas. 13-cis-Retinoic acid specific down-regulation of angiotensin type 1 receptor in rat liver epithelial and aortic smooth muscle cells. In JOURNAL OF MOLECULAR ENDOCRINOLOGY. ISSN 0952-5041, 2012, vol. 48, no. 2, pp. 99., WOS

ADCA130 MÁLEKOVÁ, Ľubica - KOMÍNKOVÁ, Viera - FERKO, Miroslav - ŠTEFÁNIK, Peter - KRIŽANOVÁ, Oľga - ZIEGELHÖFFER, Attila - SZEWCZYK, Adam - ONDRIAŠ, Karol. Bongkreikic acid and atractyloside inhibits chloride channels from mitochondrial membranes of rat heart. In *Biochemica et Biophysica Acta*, 2007, vol. 1767, s. 31-44.

Ohlasy:

[1.1] ASHRAFFPOUR, M. - BABAEI, J. Fahanik - SAGHIRI, R. - SEPEHRI, H. - SHARIFI, H. Modulation of the hepatocyte rough endoplasmic reticulum single chloride channel by nucleotide-Mg²⁺ interaction. In PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY. ISSN 0031-6768, 2012, vol. 464, no. 2, pp. 175., WOS

[1.1] DATLER, Christoph - PAZARENTZOS, Evangelos - MAHUL-MELLIER, Anne-Laure - CHAISAKLERT, Wanwisa - HWANG, Ming-Shih - OSBORNE, Foy - GRIMM, Stefan. CKMT1 regulates the mitochondrial permeability transition pore in a process that provides evidence for alternative forms of the complex. In JOURNAL OF CELL SCIENCE. ISSN 0021-9533, 2014, vol. 127, no. 8, pp. 1816., WOS

[1.1] HUSAINY, Mohammad Ali - DICKENSON, John M. - GALINANES, Manuel. The MPTP Status During Early Reoxygenation is Critical for Cardioprotection. In JOURNAL OF SURGICAL RESEARCH. ISSN 0022-4804, 2012, vol. 174, no. 1, pp. 62., WOS

[1.1] SZABO, Ildiko - ZORATTI, Mario. MITOCHONDRIAL CHANNELS: ION FLUXES AND MORE. In PHYSIOLOGICAL REVIEWS. ISSN 0031-9333, 2014, vol. 94, no. 2, pp. 519., WOS

[1.1] XIA, Cai-Fen - ZHAO, Jie - JIN, Jian-Cheng - YUAN, Lian - CHEN, Xin-You - PENG, Wu - JIANG, Feng-Lei - QIN, Cai-Qin - DAI, Jie - LIU, Yi. Ce(III)-Induced Rice Mitochondrial Permeability Transition Investigated by Spectroscopic and Microscopic Studies. In BIOLOGICAL TRACE ELEMENT RESEARCH. ISSN 0163-4984, 2013, vol. 152, no. 2, pp. 284., WOS

[1.1] ZHANG, Yue - LI, Jia-Han - LIU, Xiao-Rong - JIANG, Feng-Lei - TIAN, Fang-Fang - LIU, Yi. Spectroscopic and Microscopic Studies on the Mechanisms of Mitochondrial Toxicity Induced by Different Concentrations of Cadmium. In JOURNAL OF MEMBRANE BIOLOGY, 2011, vol.241, no.1, 39., WOS

[1.1] ZHAO, Jie - JIN, Jian-Cheng - ZHOU, Zhi-Qiang - XIA, Cai-Fen - YANG, Xiao-Gang - JIANG, Feng-Lei - DAI, Jie - LIU, Yi. High Concentration of Gadolinium Ion Modifying Isolated Rice Mitochondrial Biogenesis. In BIOLOGICAL TRACE ELEMENT RESEARCH. ISSN 0163-4984, 2013, vol. 156, no. 1-3, pp. 308., WOS

[1.1] ZHAO, Jie - ZHOU, Zhi-Qiang - JIN, Jian-Cheng - YUAN, Lian - HE, Huan - JIANG, Feng-Lei - YANG, Xiao-Gang - DAI, Jie - LIU, Yi. Mitochondrial dysfunction induced by different concentrations of gadolinium ion. In CHEMOSPHERE. ISSN 0045-6535, 2014, vol. 100, no., pp. 194., WOS

[1.2] BABAEI, J.F. - ELIASSI, A. - SAGHIRI, R. Characterization of biophysical properties of single chloride channel in rat brain mitochondrial inner membrane by channel incorporation into bilayer lipid membrane. In Physiology and Pharmacology, 2011, vol.15, no.1, 97-107., SCOPUS

ADCA131 MÁLEKOVÁ, Ľubica - TOMÁŠKOVÁ, Jana - NOVÁKOVÁ, Martina - ŠTEFÁNIK, Peter - KOPÁČEK, Juraj - LAKATOŠ, B. - PASTOREKOVÁ, Silvia - KRIŽANOVÁ, Oľga - BREIER, Albert - ONDRIAS, 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] ASHRAFFPOUR, M. - BABAEI, J. Fahanik - SAGHIRI, R. - SEPEHRI, H. - SHARIFI, H. Modulation of the hepatocyte rough endoplasmic reticulum single chloride channel by nucleotide-Mg²⁺ interaction. In *PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY*. ISSN 0031-6768, 2012, vol. 464, no. 2, pp. 175., WOS

[1.1] BISSINGER, Rosi - FISCHER, Salome - JILANI, Kashif - LANG, Florian. Stimulation of Erythrocyte Death by Phloretin. In *CELLULAR PHYSIOLOGY AND BIOCHEMISTRY*. ISSN 1015-8987, 2014, vol. 34, no. 6, pp. 2256., WOS

[1.1] Boina Dhana Raj; Bloomquist Jeffrey R. Blockage of chloride channels and anion transporters with pesticidal natural products and their synthetic analogs *PHYTOCHEMISTRY REVIEWS* Volume: 10 Issue: 2 Special Issue: SI Pages: 217-226 DOI: 10.1007/s11101-010-9179-8 Published: JUN 2011, WOS

[1.1] HOLLENHORST, Monika I. - LIPS, Katrin S. - WOLFF, Miriam - WESS, Juergen - GERBIG, Stefanie - TAKATS, Zoltan - KUMMER, Wolfgang - FRONIUS, Martin. Luminal cholinergic signalling in airway lining fluid: a novel mechanism for activating chloride secretion via Ca²⁺-dependent Cl⁻ and K⁺ channels. In *BRITISH JOURNAL OF PHARMACOLOGY*. ISSN 0007-1188, 2012, vol. 166, no. 4, pp. 1388., WOS

[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

[1.1] SZABO, Ildiko - ZORATTI, Mario. MITOCHONDRIAL CHANNELS: ION FLUXES AND MORE. In *PHYSIOLOGICAL REVIEWS*. ISSN 0031-9333, 2014, vol. 94, no. 2, pp. 519., WOS

[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

[1.2] Babaei, J.F., Eliassi, A., Saghir, R. Characterization of biophysical properties of single chloride channel in rat brain mitochondrial inner membrane by channel incorporation into bilayer lipid membrane *Physiology and Pharmacology* 15 (1) , pp. 97-107 , 2011, SCOPUS

ADCA132 MARX, S. O. - GABURJÁKOVÁ, Jana - GABURJÁKOVÁ, Marta - HENRIKSON, C. - ONDRIAS, Karol - MARKS, A. R. Coupled gating between cardiac calcium release channels (ryanodine receptors). In *Circulation research*, 2001, vol. 88, iss. 11, p. 1151-1158. (9.193 - IF2000). (2001 - Current Contents). ISSN 0009-7330.

Ohlasy:

- [1.1] ASGHARI, Parisa - SCRIVEN, David R. L. - SANATANI, Shubhayan - GANDHI, Sanjiv K. - CAMPBELL, Andrew I. M. - MOORE, Edwin D. W. Nonuniform and Variable Arrangements of Ryanodine Receptors Within Mammalian Ventricular Couplons. In CIRCULATION RESEARCH. ISSN 0009-7330, 2014, vol. 115, no. 2, pp. 252., WOS
- [1.1] BRETTE, Romain. Sharpness of Spike Initiation in Neurons Explained by Compartmentalization. In PLOS COMPUTATIONAL BIOLOGY. ISSN 1553-7358, 2013, vol. 9, no. 12, pp., WOS
- [1.1] CANNELL, M. B. - KONG, C. H. T. - IMTIAZ, M. S. - LAVER, D. R. Control of Sarcoplasmic Reticulum Ca²⁺ Release by Stochastic RyR Gating within a 3D Model of the Cardiac Dyad and Importance of Induction Decay for CICR Termination. In BIOPHYSICAL JOURNAL. ISSN 0006-3495, 2013, vol. 104, no. 10, pp. 2149., WOS
- [1.1] CANNELL, M. B. - KONG, Cherrie H. T. Local control in cardiac E-C coupling. In JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY. ISSN 0022-2828, 2012, vol. 52, no. 2, pp. 298., WOS
- [1.1] DIAZ-SYLVESTER, Paula L. - PORTA, Maura - COPELLO, Julio A. Modulation of Cardiac Ryanodine Receptor Channels by Alkaline Earth Cations. In PLOS ONE, 2011, vol.6, no.10., WOS
- [1.1] DULHUNTY, Angela F. - HEWAWASAM, Ruwani - LIU, Dan - CASAROTTO, Marco G. - BOARD, Philip G. Regulation of the cardiac muscle ryanodine receptor by glutathione transferases. In DRUG METABOLISM REVIEWS, 2011, vol.43, no.2, 236., WOS
- [1.1] GALFRE, Elena - PITT, Samantha J. - VENTURI, Elisa - SITSAPESAN, Mano - ZACCAI, Nathan R. - TSANEVA-ATANASOVA, Krasimira - O&APOS;NEILL, Stephen - SITSAPESAN, Rebecca. FKBP12 Activates the Cardiac Ryanodine Receptor Ca²⁺-Release Channel and Is Antagonised by FKBP12.6. In PLOS ONE. ISSN 1932-6203, 2012, vol. 7, no. 2, pp., WOS
- [1.1] GILLESPIE, Dirk - FILL, Michael. Pernicious attrition and inter-RyR2 CICR current control in cardiac muscle. In JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY. ISSN 0022-2828, 2013, vol. 58, no., pp. 53., WOS
- [1.1] GOMEZ, Juan F. - CARDONA, Karen - ROMERO, Lucia - FERRERO, Jose M. - TRENOR, Beatriz. Electrophysiological and Structural Remodeling in Heart Failure Modulate Arrhythmogenesis. 1D Simulation Study. In PLOS ONE. ISSN 1932-6203, 2014, vol. 9, no. 9, pp., WOS
- [1.1] GREENSTEIN, Joseph L. - WINSLOW, Raimond L. Integrative Systems Models of Cardiac Excitation-Contraction Coupling. In CIRCULATION RESEARCH, 2011, vol.108, no.1, 70., WOS
- [1.1] GUO, Tao - GILLESPIE, Dirk - FILL, Michael. Ryanodine Receptor Current Amplitude Controls Ca²⁺ Sparks in Cardiac Muscle. In CIRCULATION RESEARCH. ISSN 0009-7330, 2012, vol. 111, no. 1, pp. 28., WOS
- [1.1] HEINZEL, Frank R. - MACQUAIDE, Niall - BIESMANS, Liesbeth - SIPIDO, Karin. Dyssynchrony of Ca²⁺ release from the sarcoplasmic reticulum as subcellular mechanism of cardiac contractile dysfunction. In JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY, 2011, vol.50, no.3, 390., WOS
- [1.1] HUANG, Min - VOLGUSHEV, Maxim - WOLF, Fred. A Small

Fraction of Strongly Cooperative Sodium Channels Boosts Neuronal Encoding of High Frequencies. In PLOS ONE. ISSN 1932-6203, 2012, vol. 7, no. 5, pp., WOS

[1.1] CHOI, Kee-Hyun. Cooperative gating between ion channels. In GENERAL PHYSIOLOGY AND BIOPHYSICS. ISSN 0231-5882, 2014, vol. 33, no. 1, pp. 1., WOS

[1.1] ILIN, Vladimir - MALYSHEV, Aleksey - WOLF, Fred - VOLGUSHEV, Maxim. Fast Computations in Cortical Ensembles Require Rapid Initiation of Action Potentials. In JOURNAL OF NEUROSCIENCE. ISSN 0270-6474, 2013, vol. 33, no. 6, pp. 2281., WOS

[1.1] IYER, Vivek - HELLER, Victoria - ARMOUNDAS, Antonis A. Altered spatial calcium regulation enhances electrical heterogeneity in the failing canine left ventricle: implications for electrical instability. In JOURNAL OF APPLIED PHYSIOLOGY. ISSN 8750-7587, 2012, vol. 112, no. 6, pp. 944., WOS

[1.1] KIM, Grace E. - KRONENGOLD, Jack - BARCIA, Giulia - QURAISHI, Imran H. - MARTIN, Hilary C. - BLAIR, Edward - TAYLOR, Jenny C. - DULAC, Olivier - COLLEAUX, Laurence - NABBOU, Rima - KACZMAREK, Leonard K. Human Slack Potassium Channel Mutations Increase Positive Cooperativity between Individual Channels. In CELL REPORTS. ISSN 2211-1247, 2014, vol. 9, no. 5, pp. 1661., WOS

[1.1] KOHL, Tobias - WESTPHAL, Volker - HELL, Stefan W. - LEHNART, Stephan E. Superresolution microscopy in heart Cardiac nanoscopy. In JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY. ISSN 0022-2828, 2013, vol. 58, no., pp. 13., WOS

[1.1] MALIK, Chetan - GHOSH, Subhendu. S6 Peptide Derived from KvAP Channel Shows Cooperativity in Gating on Bilayer Lipid Membrane. In PLOS ONE. ISSN 1932-6203, 2013, vol. 8, no. 11, pp., WOS

[1.1] MEI, Yingwu - XU, Le - KRAMER, Henning F. - TOMBERLIN, Ginger H. - TOWNSEND, Claire - MEISSNER, Gerhard. Stabilization of the Skeletal Muscle Ryanodine Receptor Ion Channel-FKBP12 Complex by the 1,4-Benzothiazepine Derivative S107. In PLOS ONE. ISSN 1932-6203, 2013, vol. 8, no. 1, pp., WOS

[1.1] NIGGLI, Ernst - ULLRICH, Nina D. - GUTIERREZ, Daniel - KYRYCHENKO, Sergii - POLAKOVA, Eva - SHIROKOVA, Natalia. Posttranslational modifications of cardiac ryanodine receptors: Ca²⁺ signaling and EC-coupling. In BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH. ISSN 0167-4889, 2013, vol. 1833, no. 4, pp. 866., WOS

[1.1] NIGGLI, Ernst. Ryanodine receptors: waking up from refractoriness. In CARDIOVASCULAR RESEARCH, 2011, vol.91, no.4, 563., WOS

[1.1] PORTA, Maura - DIAZ-SYLVESTER, Paula L. - NEUMANN, Jake T. - ESCOBAR, Ariel L. - FLEISCHER, Sidney - COPELLO, Julio A. Coupled gating of skeletal muscle ryanodine receptors is modulated by Ca²⁺, Mg²⁺, and ATP. In AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY. ISSN 0363-6143, 2012, vol. 303, no. 6, pp. C682., WOS

[1.1] PORTA, Maura - ZIMA, Aleksey V. - NANI, Alma - DIAZ-SYLVESTER, Paula L. - COPELLO, Julio A. - RAMOS-FRANCO, Josefina - BLATTER, Lothar A. - FILL, Michael. Single Ryanodine Receptor Channel Basis of Caffeine's Action on Ca²⁺ Sparks. In BIOPHYSICAL JOURNAL, 2011, vol.100, no.4, 931., WOS

- [1.1] RAJA, Mobeen. The potassium channel KcsA: A model protein in studying membrane protein oligomerization and stability of oligomeric assembly? In ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS, 2011, vol.510, no.1, 1., WOS
- [1.1] SATO, Daisuke - BERS, Donald M. How Does Stochastic Ryanodine Receptor-Mediated Ca Leak Fail to Initiate a Ca Spark? In BIOPHYSICAL JOURNAL, 2011, vol.101, no.10, 2370., WOS
- [1.1] SCRIVEN, David R. L. - ASGHARI, Parisa - MOORE, Edwin D. W. Microarchitecture of the dyad. In CARDIOVASCULAR RESEARCH. ISSN 0008-6363, 2013, vol. 98, no. 2, pp. 169., WOS
- [1.1] SHIELS, Holly A. - GALLI, Gina L. J. The Sarcoplasmic Reticulum and the Evolution of the Vertebrate Heart. In PHYSIOLOGY. ISSN 1548-9213, 2014, vol. 29, no. 6, pp. 456., WOS
- [1.1] SHKRYL, Vyacheslav M. - BLATTER, Lothar A. Ca²⁺ Release Events in Cardiac Myocytes Up Close: Insights from Fast Confocal Imaging. In PLOS ONE. ISSN 1932-6203, 2013, vol. 8, no. 4, pp., WOS
- [1.1] SONG, Dong Woo - LEE, Jung-Gyu - YOUN, Hyung-Seop - EOM, Soo Hyun - KIM, Do Han. Ryanodine receptor assembly: A novel systems biology approach to 3D mapping. In PROGRESS IN BIOPHYSICS & MOLECULAR BIOLOGY, 2011, vol.105, no.3, 145., WOS
- [1.1] STERN, Michael D. - RIOS, Eduardo - MALTSEV, Victor A. Life and death of a cardiac calcium spark. In JOURNAL OF GENERAL PHYSIOLOGY. ISSN 0022-1295, 2013, vol. 142, no. 3, pp. 257., WOS
- [1.1] SUMINO, Ayumi - YAMAMOTO, Daisuke - IWAMOTO, Masayuki - DEWA, Takehisa - OIKI, Shigetoshi. Gating-Associated Clustering-Dispersion Dynamics of the KcsA Potassium Channel in a Lipid Membrane. In JOURNAL OF PHYSICAL CHEMISTRY LETTERS. ISSN 1948-7185, 2014, vol. 5, no. 3, pp. 578., WOS
- [1.1] TURAN, Belma - VASSORT, Guy. Ryanodine Receptor: A New Therapeutic Target to Control Diabetic Cardiomyopathy. In ANTIOXIDANTS & REDOX SIGNALING, 2011, vol.15, no.7, 1847., WOS
- [1.1] WALKER, Mark A. - WILLIAMS, George S. B. - KOHL, Tobias - LEHNART, Stephan E. - JAFRI, M. Saleet - GREENSTEIN, Joseph L. - LEDERER, W. J. - WINSLOW, Raimond L. Superresolution Modeling of Calcium Release in the Heart. In BIOPHYSICAL JOURNAL. ISSN 0006-3495, 2014, vol. 107, no. 12, pp. 3009., WOS
- [1.1] WILLIAMS, George S. B. - CHIKANDO, Aristide C. - TUAN, Hoang-Trong M. - SOBIE, Eric A. - LEDERER, W. J. - JAFRI, M. Saleet. Dynamics of Calcium Sparks and Calcium Leak in the Heart. In BIOPHYSICAL JOURNAL, 2011, vol.101, no.6, 1287., WOS
- [1.1] WILTGEN, Steven M. - DICKINSON, George D. - SWAMINATHAN, Divya - PARKER, Ian. Termination of calcium puffs and coupled closings of inositol trisphosphate receptor channels. In CELL CALCIUM. ISSN 0143-4160, 2014, vol. 56, no. 3, pp. 157., WOS
- [1.1] XING, Yanwei - GAO, Yonghong - CHEN, Jianxin - ZHU, Haiyan - WU, Aiming - YANG, Qing - TENG, Fei - ZHANG, Dong-mei - XING, Yanhui - GAO, Kuo - HE, Qingyong - ZHANG, Zhenpeng - WANG, Jie - SHANG, Hongcai. Wenxin-Keli Regulates the Calcium/Calmodulin-Dependent Protein Kinase II Signal Transduction Pathway and Inhibits Cardiac Arrhythmia in Rats with Myocardial Infarction. In EVIDENCE-BASED COMPLEMENTARY AND

- ALTERNATIVE MEDICINE. ISSN 1741-427X, 2013, vol., no., pp., WOS
- [1.1] ZHANG, Yi - HU, Xiaofang - SUN, Jielin - SHEN, Yi - HU, Jun - XU, Xuemin - SHAO, Zhifeng. High-Resolution Imaging and Nano-Manipulation of Biological Structures on Surface. In MICROSCOPY RESEARCH AND TECHNIQUE, 2011, vol.74, no.7, 614., WOS
- [1.1] ZIMA, Aleksey V. - BOVO, Elisa - MAZUREK, Stefan R. - ROCHIRA, Jennifer A. - LI, Weiyan - TERENCEV, Dmitry. Ca handling during excitation-contraction coupling in heart failure. In PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY. ISSN 0031-6768, 2014, vol. 466, no. 6, pp. 1129., WOS
- [1.2] ATHER, Sameer - WEHRENS, Xander H T. Ca²⁺ release channels (Ryanodine receptors) and arrhythmogenesis. In Electrical Diseases of the Heart: Volume 1: Basic Foundations and Primary Electrical Diseases, 2013-01-01, pp. 281-297., SCOPUS
- [1.2] COWIE, Martin R. - POOLE-WILSON, Philip A. Pathophysiology of heart failure. In Essential Cardiology: Principles and Practice, 2013-06-01, pp. 327-345., SCOPUS
- [1.2] JAFRI, M.S. Models of excitation-contraction coupling in cardiac ventricular myocytes. In Methods in Molecular Biology, 2012, 910, pp. 309-335., SCOPUS
- [1.2] VALDIVIA, Héctor H. Structural and Molecular Bases of Sarcoplasmic Reticulum Ion Channel Function. In Cardiac Electrophysiology: From Cell to Bedside: Sixth Edition, 2013-01-01, pp. 55-69., SCOPUS
- [1.2] VERVLIT, Tim - KIVILUOTO, Santeri - BULTYNCK, Geert. ER stress and UPR through dysregulated ER Ca²⁺ homeostasis and signaling. In Endoplasmic Reticulum Stress in Health and Disease, 2012-03-01, 9789400743519, pp. 107-142., SCOPUS

ADCA133 MARX, S. O. - ONDRIAŠ, Karol - MARKS, A. R. Coupled gating between individual skeletal muscle Ca²⁺ release channels (ryanodine receptors). In *Science*, 1998, vol. 281, issue 5378, p. 818-821. (24.676 - IF1997). (1998 - Current Contents). ISSN 0036-8075.

Ohlasy:

- [1.1] ASGHARI, Parisa - SCRIVEN, David R. L. - HOSKINS, Jeremy - FAMELI, Nicola - VAN BREEMEN, Cornelis - MOORE, Edwin D. W. The structure and functioning of the couplon in the mammalian cardiomyocyte. In PROTOPLASMA. ISSN 0033-183X, 2012, vol. 249, no., pp. S31., WOS
- [1.1] BRETTE, Romain. Sharpness of Spike Initiation in Neurons Explained by Compartmentalization. In PLOS COMPUTATIONAL BIOLOGY. ISSN 1553-7358, 2013, vol. 9, no. 12, pp., WOS
- [1.1] CLARK, Kevin B. - EISENSTEIN, E. M. Targeting Host Store-Operated Ca²⁺ Release to Attenuate Viral Infections. In CURRENT TOPICS IN MEDICINAL CHEMISTRY. ISSN 1568-0266, 2013, vol. 13, no. 16, pp. 1916., WOS
- [1.1] DIAMBRA, Luis - MARCHANT, Jonathan S. Inositol (1,4,5)-Trisphosphate Receptor Microarchitecture Shapes Ca²⁺ Puff Kinetics. In BIOPHYSICAL JOURNAL, 2011, vol.100, no.4, 822., WOS
- [1.1] DULHUNTY, Angela F. - HEWAWASAM, Ruwani - LIU, Dan - CASAROTTO, Marco G. - BOARD, Philip G. Regulation of the cardiac muscle ryanodine receptor by glutathione transferases. In DRUG METABOLISM

REVIEWS, 2011, vol.43, no.2, 236., WOS

[1.1] GABURJAKOVA, Jana - GABURJAKOVA, Marta. Coupled gating modifies the regulation of cardiac ryanodine receptors by luminal Ca^{2+} . In BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES. ISSN 0005-2736, 2014, vol. 1838, no. 3, pp. 867., WOS

[1.1] GRAGE, Stephan L. - KELESHIAN, Asbed M. - TURDZELADZE, Tamta - BATTLE, Andrew R. - TAY, Wee C. - MAY, Roland P. - HOLT, Stephen A. - CONTERA, Sonia Antoranz - HAERTLEIN, Michael - MOULIN, Martine - PAL, Prithwish - ROHDE, Paul R. - FORSYTH, V. Trevor - WATTS, Anthony - HUANG, Kerwyn Casey - ULRICH, Anne S. - MARTINAC, Boris. Bilayer-Mediated Clustering and Functional Interaction of MscL Channels. In BIOPHYSICAL JOURNAL, 2011, vol.100, no.5, 1252., WOS

[1.1] HERNANDEZ-OCHOA, Erick O. - OLOJO, Rotimi O. - REBBECK, Robyn T. - DULHUNTY, Angela F. - SCHNEIDER, Martin F. beta 1a490-508, a 19-Residue Peptide from C-Terminal Tail of Cav1.1 beta 1a Subunit, Potentiates Voltage-Dependent Calcium Release in Adult Skeletal Muscle Fibers. In BIOPHYSICAL JOURNAL. ISSN 0006-3495, 2014, vol. 106, no. 3, pp. 535., WOS

[1.1] HUANG, Christopher L.H. - PEDERSEN, Thomas H. - FRASER, James A. Reciprocal dihydropyridine and ryanodine receptor interactions in skeletal muscle activation. In JOURNAL OF MUSCLE RESEARCH AND CELL MOTILITY, 2011, vol.32, no.3, 171., WOS

[1.1] HUANG, Min - VOLGUSHEV, Maxim - WOLF, Fred. A Small Fraction of Strongly Cooperative Sodium Channels Boosts Neuronal Encoding of High Frequencies. In PLOS ONE. ISSN 1932-6203, 2012, vol. 7, no. 5, pp., WOS

[1.1] HWANG, Jean H. - ZORZATO, Francesco - CLARKE, Nigel F. - TREVES, Susan. Mapping domains and mutations on the skeletal muscle ryanodine receptor channel. In TRENDS IN MOLECULAR MEDICINE. ISSN 1471-4914, 2012, vol. 18, no. 11, pp. 644., WOS

[1.1] CHOI, Kee-Hyun. Cooperative gating between ion channels. In GENERAL PHYSIOLOGY AND BIOPHYSICS. ISSN 0231-5882, 2014, vol. 33, no. 1, pp. 1., WOS

[1.1] ILIN, Vladimir - MALYSHEV, Aleksey - WOLF, Fred - VOLGUSHEV, Maxim. Fast Computations in Cortical Ensembles Require Rapid Initiation of Action Potentials. In JOURNAL OF NEUROSCIENCE. ISSN 0270-6474, 2013, vol. 33, no. 6, pp. 2281., WOS

[1.1] KIM, Grace E. - KRONENGOLD, Jack - BARCIA, Giulia - QURAIISHI, Imran H. - MARTIN, Hilary C. - BLAIR, Edward - TAYLOR, Jenny C. - DULAC, Olivier - COLLEAUX, Laurence - NABBOU, Rima - KACZMAREK, Leonard K. Human Slack Potassium Channel Mutations Increase Positive Cooperativity between Individual Channels. In CELL REPORTS. ISSN 2211-1247, 2014, vol. 9, no. 5, pp. 1661., WOS

[1.1] LIU, Ying - CHEN, Hanying - JI, Guangju - LI, Baiyan - MOHLER, Peter J. - ZHU, Zhiming - YONG, Weidong - CHEN, Zhuang - XU, Xuehong - XIN, Hongbo - SHOU, Weinian. Transgenic Analysis of the Role of FKBP12.6 in Cardiac Function and Intracellular Calcium Release. In ASSAY AND DRUG DEVELOPMENT TECHNOLOGIES, 2011, vol.9, no.6, 620., WOS

[1.1] LUECKE, C. - WEIWAD, M. Insights into Immunophilin Structure and Function. In CURRENT MEDICINAL CHEMISTRY, 2011, vol.18, no.35,

5333., WOS

[1.1] MACMILLAN, Debbi. FK506 binding proteins: Cellular regulators of intracellular Ca²⁺ signalling. In EUROPEAN JOURNAL OF PHARMACOLOGY. ISSN 0014-2999, 2013, vol. 700, no. 1-3, pp. 181., WOS

[1.1] MALIK, Chetan - GHOSH, Subhendu. S6 Peptide Derived from KvAP Channel Shows Cooperativity in Gating on Bilayer Lipid Membrane. In PLOS ONE. ISSN 1932-6203, 2013, vol. 8, no. 11, pp., WOS

[1.1] MARUYAMA, Mitsunori - LI, Bai-Yan - CHEN, Hanying - XU, Xuehong - SONG, Long-Sheng - GUATIMOSIM, Silvia - ZHU, Wuqiang - YONG, Weidong - ZHANG, Wenjun - BU, Guixue - LIN, Shien-Fong - FISHBEIN, Michael C. - LEDERER, W. Jonathan - SCHILD, John H. - FIELD, Loren J. - RUBART, Michael - CHEN, Peng-Sheng - SHOU, Weinian. FKBP12 Is a Critical Regulator of the Heart Rhythm and the Cardiac Voltage-Gated Sodium Current in Mice. In CIRCULATION RESEARCH, 2011, vol.108, no.9, 1042., WOS

[1.1] MEI, Yingwu - XU, Le - KRAMER, Henning F. - TOMBERLIN, Ginger H. - TOWNSEND, Claire - MEISSNER, Gerhard. Stabilization of the Skeletal Muscle Ryanodine Receptor Ion Channel-FKBP12 Complex by the 1,4-Benzothiazepine Derivative S107. In PLOS ONE. ISSN 1932-6203, 2013, vol. 8, no. 1, pp., WOS

[1.1] PERALVAREZ-MARIN, Alex - TAE, HanShen - BOARD, Philip G. - CASAROTTO, Marco G. - DULHUNTY, Angela F. - SAMSO, Montserrat. 3D Mapping of the SPRY2 Domain of Ryanodine Receptor 1 by Single-Particle Cryo-EM. In PLOS ONE, 2011, vol.6, no.10., WOS

[1.1] PORTA, Maura - DIAZ-SYLVESTER, Paula L. - NEUMANN, Jake T. - ESCOBAR, Ariel L. - FLEISCHER, Sidney - COPELLO, Julio A. Coupled gating of skeletal muscle ryanodine receptors is modulated by Ca²⁺, Mg²⁺, and ATP. In AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY. ISSN 0363-6143, 2012, vol. 303, no. 6, pp. C682., WOS

[1.1] POVEDA, J. A. - GIUDICI, A. M. - RENART, M. L. - MOLINA, M. L. - MONTOYA, E. - FERNANDEZ-CARVAJAL, A. - FERNANDEZ-BALLESTER, G. - ENCINAR, J. A. - GONZALEZ-ROS, J. M. Lipid modulation of ion channels through specific binding sites. In BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES. ISSN 0005-2736, 2014, vol. 1838, no. 6, pp. 1560., WOS

[1.1] QIAN, Feng - LI, Tao - YANG, Fei - LIU, Lian. Stoichiometry and novel gating mechanism within the cystic fibrosis transmembrane conductance regulator channel. In EXPERIMENTAL PHYSIOLOGY. ISSN 0958-0670, 2014, vol. 99, no. 12, pp. 1611., WOS

[1.1] RAHMAN, Taufiq. Dynamic clustering of IP3 receptors by IP3. In BIOCHEMICAL SOCIETY TRANSACTIONS. ISSN 0300-5127, 2012, vol. 40, no., pp. 325., WOS

[1.1] REYES, Reno C. - PERRY, Giselle - LESORT, Mathieu - PARPURA, Vladimir. Immunophilin deficiency augments Ca²⁺-dependent glutamate release from mouse cortical astrocytes. In CELL CALCIUM, 2011, vol.49, no.1, 23., WOS

[1.1] SANTIAGO, Demetrio J. - RIOS, Eduardo - SHANNON, Thomas R. Isoproterenol Increases the Fraction of Spark-Dependent RyR-Mediated Leak in Ventricular Myocytes. In BIOPHYSICAL JOURNAL. ISSN 0006-3495, 2013, vol. 104, no. 5, pp. 976., WOS

- [1.1] SHKRYL, Vyacheslav M. - BLATTER, Lothar A. Ca²⁺ Release Events in Cardiac Myocytes Up Close: Insights from Fast Confocal Imaging. In PLOS ONE. ISSN 1932-6203, 2013, vol. 8, no. 4, pp., WOS
- [1.1] SCHUSTER, Bernhard - SLEYTR, Uwe B. Biomimetic interfaces based on S-layer proteins, lipid membranes and functional biomolecules. In JOURNAL OF THE ROYAL SOCIETY INTERFACE. ISSN 1742-5689, 2014, vol. 11, no. 96, pp., WOS
- [1.1] SONG, Dong Woo - LEE, Jung-Gyu - YOUN, Hyung-Seop - EOM, Soo Hyun - KIM, Do Han. Ryanodine receptor assembly: A novel systems biology approach to 3D mapping. In PROGRESS IN BIOPHYSICS & MOLECULAR BIOLOGY, 2011, vol.105, no.3, 145., WOS
- [1.1] SPOMER, Neil A. - KAMBLE, Shripat T. Temporal Changes in Chlorantraniliprole and Indoxacarb in Four Midwestern Soils and Bioefficacy Against the Eastern Subterranean Termite (Isoptera: Rhinotermitidae). In JOURNAL OF ECONOMIC ENTOMOLOGY, 2011, vol.104, no.3, 990., WOS
- [1.1] VAN PETEGEM, Filip. Ryanodine Receptors: Structure and Function. In JOURNAL OF BIOLOGICAL CHEMISTRY. ISSN 0021-9258, 2012, vol. 287, no. 38, pp. 31624., WOS
- [1.1] VENTURI, Elisa - GALFRE, Elena - O&APOS;BRIEN, Fiona - PITT, Samantha J. - BELLAMY, Stuart - SESSIONS, Richard B. - SITSAPESAN, Rebecca. FKBP12.6 Activates RyR1: Investigating the Amino Acid Residues Critical for Channel Modulation. In BIOPHYSICAL JOURNAL. ISSN 0006-3495, 2014, vol. 106, no. 4, pp. 824., WOS
- [1.1] WAGNER, Larry E. - GROOM, Linda A. - DIRKSEN, Robert T. - YULE, David I. Characterization of ryanodine receptor type 1 single channel activity using "on-nucleus" patch clamp. In CELL CALCIUM. ISSN 0143-4160, 2014, vol. 56, no. 2, pp. 96., WOS
- [1.1] WANG JIANGLIN - GUO REN - LIU SHIKUN - CHEN QINGJIE - ZUO SHANRU - YANG MENG - ZUO XIAOCONG. Molecular mechanisms of FK506-induced hypertension in solid organ transplantation patients. In CHINESE MEDICAL JOURNAL. ISSN 0366-6999, 2014, vol. 127, no. 20, pp. 3645., WOS
- [1.1] WILTGEN, Steven M. - DICKINSON, George D. - SWAMINATHAN, Divya - PARKER, Ian. Termination of calcium puffs and coupled closings of inositol trisphosphate receptor channels. In CELL CALCIUM. ISSN 0143-4160, 2014, vol. 56, no. 3, pp. 157., WOS
- [1.1] WINSLOW, Raimond L. - GREENSTEIN, Joseph L. Extinguishing the Sparks. In BIOPHYSICAL JOURNAL. ISSN 0006-3495, 2013, vol. 104, no. 10, pp. 2115., WOS
- [1.1] XING, Yanwei - GAO, Yonghong - CHEN, Jianxin - ZHU, Haiyan - WU, Aiming - YANG, Qing - TENG, Fei - ZHANG, Dong-mei - XING, Yanhui - GAO, Kuo - HE, Qingyong - ZHANG, Zhenpeng - WANG, Jie - SHANG, Hongcai. Wenxin-Keli Regulates the Calcium/Calmodulin-Dependent Protein Kinase II Signal Transduction Pathway and Inhibits Cardiac Arrhythmia in Rats with Myocardial Infarction. In EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE. ISSN 1741-427X, 2013, vol., no., pp., WOS
- [1.1] ZHANG, Yi - HU, Xiaofang - SUN, Jielin - SHEN, Yi - HU, Jun - XU, Xuemin - SHAO, Zhifeng. High-Resolution Imaging and Nano-Manipulation of Biological Structures on Surface. In MICROSCOPY RESEARCH AND TECHNIQUE, 2011, vol.74, no.7, 614., WOS

- [1.1] ZIMA, Aleksey V. - BOVO, Elisa - MAZUREK, Stefan R. - ROCHIRA, Jennifer A. - LI, Weiyan - TERENCEV, Dmitry. Ca handling during excitation-contraction coupling in heart failure. In PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY. ISSN 0031-6768, 2014, vol. 466, no. 6, pp. 1129., WOS
- [1.2] BLAYNEY, Lynda M. - BECK, Konrad - MACDONALD, Ewan - D'CRUZ, Leon G. - NOMIKOS, Michail - GRIFFITHS, Julia M. - THANASSOULAS, Angelos - NOUNESIS, George - LAI, F. Anthony. ATP interacts with the CPVT mutation-associated central domain of the cardiac ryanodine receptor. In Biochimica et Biophysica Acta General Subjects. ISSN 03044165, 2013-07-03, 1830, 10, pp. 4426-4432., SCOPUS
- [1.2] GIUDICI, Anna Marcela - MOLINA, María Luisa - AYALA, José L. - MONTOYA, Estefanía - RENART, María Lourdes - FERNÁNDEZ, Asia M. - ENCINAR, José Antonio - FERRER-MONTIEL, Antonio V. - POVEDA, José Antonio - GONZÁLEZ-ROS, José Manuel. Detergent-labile, supramolecular assemblies of KcsA: Relative abundance and interactions involved. In Biochimica et Biophysica Acta Biomembranes. ISSN 00052736, 2013-02-01, 1828, 2, pp. 193-200., SCOPUS
- [1.2] HOLLINGWORTH, Stephen - BAYLOR, Stephen M. Comparison of myoplasmic calcium movements during excitation-contraction coupling in frog twitch and mouse fast-twitch muscle fibers. In Journal of General Physiology. ISSN 00221295, 2013-05-01, 141, 5, pp. 567-583., SCOPUS
- [1.2] CHOI, K.-H. - LICHT, S. ATP-sensitive potassium channels exhibit variance in the number of open channels below the limit predicted for identical and independent gating. In PLoS ONE, 2012, 7, 5, pp., SCOPUS
- [1.2] KAWAMOTO, E.M. - VIVAR, C. - CAMANDOLA, S. Physiology and pathology of calcium signaling in the brain. In Frontiers in Pharmacology, 2012, 3 APR, pp., SCOPUS
- [1.2] LANNER, J.T. Ryanodine receptor physiology and its role in disease. In Advances in Experimental Medicine and Biology, 2012, 740, pp. 217-234., SCOPUS
- [1.2] SCHNEIDER, M.F. - HERNÁNDEZ-OCHOA, E.O. Skeletal muscle excitation-contraction coupling. In Muscle, 2012, 2, pp. 811-821., SCOPUS

ADCA134 MARX, S.O. - REIKEN, S. - HISAMATSU, Y. - GABURJÁKOVÁ, Marta - GABURJÁKOVÁ, Jana - YANG, Y. M. - ROSEMBLIT, N. - MARKS, A. R. Phosphorylation-dependent regulation of ryanodine receptors: A novel role for leucine/isoleucine zippers. In *Journal of Cell Biology*, 2001, vol. 153, iss. 4, p. 699-708. ISSN 0021-9525.

Ohlasy:

- [1.1] ASGHARI, Parisa - SCRIVEN, David R. L. - HOSKINS, Jeremy - FAMELI, Nicola - VAN BREEMEN, Cornelis - MOORE, Edwin D. W. The structure and functioning of the couplon in the mammalian cardiomyocyte. In PROTOPLASMA. ISSN 0033-183X, 2012, vol. 249, no., pp. S31., WOS
- [1.1] ATHER, Sameer - RESPRESS, Jonathan L. - LI, Na - WEHRENS, Xander H. T. Alterations in ryanodine receptors and related proteins in heart failure. In BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR BASIS OF DISEASE. ISSN 0925-4439, 2013, vol. 1832, no. 12, pp. 2425., WOS
- [1.1] BHATT, Prasanth - CHAURASIA, Mukesh Kumar - PALANISAMY, Rajesh - KUMARESAN, Venkatesh - ARASU, Abirami - SATHYAMOORTHY,

Akila - GNANAM, Annie J. - KASI, Marimuthu - PASUPULETI, Mukesh - RAMASWAMY, Harikrishnan - AROCKIARAJ, Jesu. Molecular cloning, characterization and gene expression of murrel CXC chemokine receptor 3a against sodium nitrite acute toxicity and microbial pathogens. In FISH & SHELLFISH IMMUNOLOGY. ISSN 1050-4648, 2014, vol. 39, no. 2, pp. 245., WOS

[1.1] BORKO, Lubomir - BAUEROVA-HLINKOVA, Vladena - HOSTINOVA, Eva - GASPERIK, Juraj - BECK, Konrad - LAI, F. Anthony - ZAHRADNIKOVA, Alexandra - SEVCIK, Jozef. Structural insights into the human RyR2 N-terminal region involved in cardiac arrhythmias. In ACTA CRYSTALLOGRAPHICA SECTION D-BIOLOGICAL CRYSTALLOGRAPHY. ISSN 0907-4449, 2014, vol. 70, no., pp. 2897., WOS

[1.1] CARNEGIE, Graeme K. - BURMEISTER, Brian T. A-Kinase Anchoring Proteins That Regulate Cardiac Remodeling. In JOURNAL OF CARDIOVASCULAR PHARMACOLOGY, 2011, vol.58, no.5, 451., WOS

[1.1] DOBREV, Dobromir - VOIGT, Niels - WEHRENS, Xander H. T. The ryanodine receptor channel as a molecular motif in atrial fibrillation: pathophysiological and therapeutic implications. In CARDIOVASCULAR RESEARCH, 2011, vol.89, no.4, 734., WOS

[1.1] ELTON, Terry S. - MARTIN, Mickey M. - SANSOM, Sarah E. - BELEVYCH, Andriy E. - GYOERKE, Sandor - TERENCEYEV, Dmitry. miRNAs got rhythm. In LIFE SCIENCES, 2011, vol.88, no.9-10, 373., WOS

[1.1] FAUCONNIER, Jeremy - ROBERGE, Stephanie - SAINT, Nathalie - LACAMPAGNE, Alain. Type 2 ryanodine receptor: A novel therapeutic target in myocardial ischemia/reperfusion. In PHARMACOLOGY & THERAPEUTICS. ISSN 0163-7258, 2013, vol. 138, no. 3, pp. 323., WOS

[1.1] FEARNLEY, Claire J. - RODERICK, H. Llewelyn - BOOTMAN, Martin D. Calcium Signaling in Cardiac Myocytes. In COLD SPRING HARBOR PERSPECTIVES IN BIOLOGY, 2011, vol.3, no.11., WOS

[1.1] FISCHER, Thomas H. - MAIER, Lars S. - SOSSALLA, Samuel. The ryanodine receptor leak: how a tattered receptor plunges the failing heart into crisis. In HEART FAILURE REVIEWS. ISSN 1382-4147, 2013, vol. 18, no. 4, pp. 475., WOS

[1.1] GEORGE, Christopher H. - PARTHIMOS, Dimitris - SILVESTER, Nicole C. A network-oriented perspective on cardiac calcium signaling. In AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY. ISSN 0363-6143, 2012, vol. 303, no. 9, pp. C897., WOS

[1.1] HARVEY, Robert D. - HELL, Johannes W. Ca(V)1.2 signaling complexes in the heart. In JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY. ISSN 0022-2828, 2013, vol. 58, no., pp. 143., WOS

[1.1] CHIANG, David Y. - LI, Na - WANG, Qiongling - ALSINA, Katherina M. - QUICK, Ann P. - REYNOLDS, Julia O. - WANG, Guoliang - SKAPURA, Darlene - VOIGT, Niels - DOBREV, Dobromir - WEHRENS, Xander H. T. Impaired local regulation of ryanodine receptor type 2 by protein phosphatase 1 promotes atrial fibrillation. In CARDIOVASCULAR RESEARCH. ISSN 0008-6363, 2014, vol. 103, no. 1, pp. 178., WOS

[1.1] JONES, Brian W. - BRUNET, Sylvain - GILBERT, Merle L. - NICHOLS, C. Blake - SU, Thomas - WESTENBROEK, Ruth E. - SCOTT, John D. - CATTERALL, William A. - MCKNIGHT, G. Stanley. Cardiomyocytes from AKAP7 knockout mice respond normally to adrenergic stimulation. In

PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. ISSN 0027-8424, 2012, vol. 109, no. 42, pp. 17099., WOS

[1.1] KANDILCI, Hilmi B. - TUNCAY, Erkan - ZEYDANLI, Esma N. - SOZMEN, Nazli N. - TURAN, Belma. Age-related regulation of excitation-contraction coupling in rat heart. In JOURNAL OF PHYSIOLOGY AND BIOCHEMISTRY, 2011, vol.67, no.3, 317., WOS

[1.1] KIMURA, Toru - HAN, WonSun - PAGEL, Philipp - NAIRN, Angus C. - CAPLAN, Michael J. Protein Phosphatase 2A Interacts with the Na⁺,K⁺-ATPase and Modulates Its Trafficking by Inhibition of Its Association with Arrestin. In PLOS ONE, 2011, vol.6, no.12., WOS

[1.1] KRITZER, Michael D. - LI, Jinliang - PASSARIELLO, Catherine L. - GAYANILO, Marjorie - THAKUR, Hrishikesh - DAYAN, Joseph - DODGE-KAFKA, Kimberly - KAPILOFF, Michael S. The Scaffold Protein Muscle A-Kinase Anchoring Protein beta Orchestrates Cardiac Myocyte Hypertrophic Signaling Required for the Development of Heart Failure. In CIRCULATION-HEART FAILURE. ISSN 1941-3289, 2014, vol. 7, no. 4, pp. 663., WOS

[1.1] LANDSTROM, A. P. - ACKERMAN, M. J. Beyond the Cardiac Myofilament: Hypertrophic Cardiomyopathy-Associated Mutations in Genes that Encode Calcium-Handling Proteins. In CURRENT MOLECULAR MEDICINE. ISSN 1566-5240, 2012, vol. 12, no. 5, pp. 507., WOS

[1.1] LI, Jinliang - KRITZER, Michael D. - MICHEL, Jennifer J. Carlisle - LE, Andrew - THAKUR, Hrishikesh - GAYANILO, Marjorie - PASSARIELLO, Catherine L. - NEGRO, Alejandra - DANIAL, Joshua B. - OSKOEI, Behzad - SANDERS, Michael - HARE, Joshua M. - HANAUER, Andre - DODGE-KAFKA, Kimberly - KAPILOFF, Michael S. Anchored p90 Ribosomal S6 Kinase 3 Is Required for Cardiac Myocyte Hypertrophy. In CIRCULATION RESEARCH. ISSN 0009-7330, 2013, vol. 112, no. 1, pp. 128., WOS

[1.1] MACMILLAN, Debbi. FK506 binding proteins: Cellular regulators of intracellular Ca²⁺ signalling. In EUROPEAN JOURNAL OF PHARMACOLOGY. ISSN 0014-2999, 2013, vol. 700, no. 1-3, pp. 181., WOS

[1.1] MANDIKIAN, Danielle - BOCKSTEINS, Elke - PARAJULI, Laxmi Kumar - BISHOP, Hannah I. - CERDA, Oscar - SHIGEMOTO, Ryuichi - TRIMMER, James S. Cell Type-Specific Spatial and Functional Coupling Between Mammalian Brain Kv2.1 K⁺ Channels and Ryanodine Receptors. In JOURNAL OF COMPARATIVE NEUROLOGY. ISSN 0021-9967, 2014, vol. 522, no. 15, pp. 3555., WOS

[1.1] MATKOVICH, Scot J. - HU, Yuanxin - ESCHENBACHER, William H. - DORN, Lisa E. - DORN, Gerald W. Direct and Indirect Involvement of MicroRNA-499 in Clinical and Experimental Cardiomyopathy. In CIRCULATION RESEARCH. ISSN 0009-7330, 2012, vol. 111, no. 5, pp. 521., WOS

[1.1] NAVARATNARAJAH, Manoraj - SIEDLECKA, Urszula - IBRAHIM, Michael - VAN DOORN, Carin - SOPPA, Gopal - GANDHI, Ajay - SHAH, Adarsh - KUKADIA, Punam - YACOUB, Magdi H. - TERRACCIANO, Cesare M. Impact of Combined Clenbuterol and Metoprolol Therapy on Reverse Remodelling during Mechanical Unloading. In PLOS ONE. ISSN 1932-6203, 2014, vol. 9, no. 9, pp., WOS

[1.1] NEEF, Stefan - MAIER, Lars S. Novel aspects of excitation-contraction

coupling in heart failure. In BASIC RESEARCH IN CARDIOLOGY. ISSN 0300-8428, 2013, vol. 108, no. 4, pp., WOS

[1.1] PERINO, Alessia - GHIGO, Alessandra - SCOTT, John D. - HIRSCH, Emilio. Anchoring Proteins as Regulators of Signaling Pathways. In CIRCULATION RESEARCH. ISSN 0009-7330, 2012, vol. 111, no. 4, pp. 482., WOS

[1.1] PETZHOLD, Daria - DA COSTA-GONCALVES, Andre C. - GROSS, Volkmar - MORANO, Ingo. Spinophilin is required for normal morphology, Ca²⁺ homeostasis and contraction but dispensable for beta-adrenergic stimulation of adult cardiomyocytes. In JOURNAL OF MUSCLE RESEARCH AND CELL MOTILITY, 2011, vol.32, no.4-5, 243., WOS

[1.1] SONG, Dong Woo - LEE, Jung-Gyu - YOUN, Hyung-Seop - EOM, Soo Hyun - KIM, Do Han. Ryanodine receptor assembly: A novel systems biology approach to 3D mapping. In PROGRESS IN BIOPHYSICS & MOLECULAR BIOLOGY, 2011, vol.105, no.3, 145., WOS

[1.1] STANGHERLIN, Alessandra - ZACCOLO, Manuela. Phosphodiesterases and subcellular compartmentalized cAMP signaling in the cardiovascular system. In AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY. ISSN 0363-6135, 2012, vol. 302, no. 2, pp. H379., WOS

[1.1] TROEGER, Jessica - MOUTTY, Marie C. - SKROBLIN, Philipp - KLUSSMANN, Enno. A-kinase anchoring proteins as potential drug targets. In BRITISH JOURNAL OF PHARMACOLOGY. ISSN 0007-1188, 2012, vol. 166, no. 2, pp. 420., WOS

[1.1] VENTURI, Elisa - PITT, Samantha - GALFRE, Elena - SITSAPESAN, Rebecca. From Eggs to Hearts: What Is the Link between Cyclic ADP-Ribose and Ryanodine Receptors? In CARDIOVASCULAR THERAPEUTICS. ISSN 1755-5914, 2012, vol. 30, no. 2, pp. 109., WOS

[1.1] YUCHI, Zhiguang - LAU, Kelvin - VAN PETEGEM, Filip. Disease Mutations in the Ryanodine Receptor Central Region: Crystal Structures of a Phosphorylation Hot Spot Domain. In STRUCTURE. ISSN 0969-2126, 2012, vol. 20, no. 7, pp. 1201., WOS

[1.2] ATHER, Sameer - WEHRENS, Xander H T. Casup²/_{sup} Release channels (ryanodine receptors) and arrhythmogenesis. In Electrical Diseases of the Heart, 2013-03-01, 1, pp. 281-297., SCOPUS

[1.2] CHEN, Lei - TERRENOIRE, Cecile - KASS, Robert S. KCNQ1/KCNE1 Macromolecular Signaling Complex: Channel Microdomains and Human Disease. In Cardiac Electrophysiology: From Cell to Bedside: Sixth Edition, 2013-01-01, pp. 115-120., SCOPUS

[1.2] KHO, Changwon - LEE, Ahyoung - HAJJAR, Roger J. Altered sarcoplasmic reticulum calcium cycling Targets for heart failure therapy. In Nature Reviews Cardiology. ISSN 17595002, 2012-12-01, 9, 12, pp. 717-733., SCOPUS

[1.2] LOU, Q. - JANARDHAN, A. - EFIMOV, I.R. Remodeling of calcium handling in human heart failure. In Advances in Experimental Medicine and Biology, 2012, 740, pp. 1145-1174., SCOPUS

ADCA135 MESZAROS, LG. - MINAROVIC, Igor - ZAHRADNÍKOVÁ, Alexandra. Inhibition of the skeletal muscle ryanodine receptor calcium release channel by nitric oxide. In FEBS Letters, 1996, vol. 380, p. 49-52. ISSN 0014-5793.

Ohlasy:

- [1.2] FULFORD, Jonathan - WINYARD, Paul - VANHATALO, Anni - BAILEY, Stephen J. - BLACKWELL, Jamie R. - JONES, Andrew Mark. Influence of dietary nitrate supplementation on human skeletal muscle metabolism and force production during maximum voluntary contractions. In *Pflugers Archiv European Journal of Physiology*. ISSN 00316768, 2013-04-01, 465, 4, pp. 517-528., SCOPUS
- [1.2] SHADAB, Mohammad - AGRAWAL, Dharendra Kumar - ASLAM, Mohammad - ISLAM, Najmul - AHMAD, Zuber. Occupational health hazards among sewage workers: Oxidative stress and deranged lung functions. In *Journal of Clinical and Diagnostic Research*. ISSN 2249782X, 2014-04-15, 8, 4, pp. BC11-BC13., SCOPUS
- [1.2] WU, X. - GAO, Y.-F. - ZHAO, X.-H. - CUI, J.-H. Effects of tetramethylpyrazine on nitric oxide synthase activity and calcium ion concentration of skeletal muscle in hindlimb unloading rats. In *National Medical Journal of China*, 2012, 92, 29, pp. 2075-2077., SCOPUS
- [1.2] WYLIE, Lee J. - KELLY, James E. - BAILEY, Stephen J. - BLACKWELL, Jamie R. - SKIBA, Philip Friere - WINYARD, Paul - JEUKENDRUP, Asker E. - VANHATALO, Anni - JONES, Andrew Mark. Beetroot juice and exercise: Pharmacodynamic and dose-response relationships. In *Journal of Applied Physiology*. ISSN 87507587, 2013-08-01, 115, 3, pp. 325-336., SCOPUS
- [1.2] XU, P.-T. - LI, Q. - SHENG, J.-J. - CHANG, H. - SONG, Z. - YU, Z.-B. Passive stretch reduces calpain activity through nitric oxide pathway in unloaded soleus muscles. In *Molecular and Cellular Biochemistry*, 2012, 367, 1-2, pp. 113-124., SCOPUS

ADCA136 METZGER, Silke - BAUER, Peter - TOMIUK, Juergen - LACCONE, Franco - DIDONATO, Stefano - GELLERA, Cinzia - MARIOTTI, Caterina - LANGE, Herwig W. - WEIRICH-SCHWAIGER, Helga - WENNING, Gregor K. - SEPPI, Klaus - MELEGH, Bela - HAVASI, Viktoria - BALIKO, Laszlo - WIECZOREK, Stefan - ZAREMBA, Jacek - HOFFMAN-ZACHARSKA, Dorota - SULEK, Anna - BASAK A., Nazli - SOYDAN, Esra - ZIDOVSKA, Jana - KEBRDLOVA, Vera - PANDOLFO, Massimo - RIBAI, Pascale - KÁDAŠI, Ľudevít - KVASNICOVA, Marta - WEBER, Bernhard H. F. - KREUZ, Friedmar - DOSE, Matthias - SRUHRMANN, Manfred - RIESS, Olaf. Genetic analysis of candidate genes modifying the age-at-onset in Huntington's disease. In *Human Genetics*, 2006, vol. 120, iss. 2, p. 285-292. ISSN 0340-6717.

Ohlasy:

- [1.1] AGOSTINHO, L. A. - DOS SANTOS, S. R. - ALVARENGA, R. M. P. - PAIVA, C. L. A. A systematic review of the intergenerational aspects and the diverse genetic profiles of Huntington's disease. In *GENETICS AND MOLECULAR RESEARCH*. ISSN 1676-5680, 2013, vol. 12, no. 2, pp. 1974., WOS
- [1.1] CRUZ, Nelly M. - YUAN, Yang - LEEHY, Barrett D. - BAID, Rinku - KOMPPELLA, Uday - DEANGELIS, Margaret M. - ESCHER, Pascal - HAIDER, Neena B. Modifier Genes as Therapeutics: The Nuclear Hormone Receptor Rev Erb Alpha (Nr1d1) Rescues Nr2e3 Associated Retinal Disease. In *PLOS ONE*. ISSN 1932-6203, 2014, vol. 9, no. 1, pp., WOS
- [1.1] GIDALEVITZ, Tali - WANG, Ning - DERAFAJ, Tanuja -

ALEXANDER-FLOYD, Jasmine - MORIMOTO, Richard I. Natural genetic variation determines susceptibility to aggregation or toxicity in a *C. elegans* model for polyglutamine disease. In *BMC BIOLOGY*. ISSN 1741-7007, 2013, vol. 11, no., pp., WOS

[1.1] KEARNEY, Jennifer A. Genetic modifiers of neurological disease. In *CURRENT OPINION IN GENETICS & DEVELOPMENT*, 2011, vol.21, no.3, 349., WOS

[1.1] LIU, Hsiu-Yu - PFLEGER, Cathie M. Mutation in E1, the Ubiquitin Activating Enzyme, Reduces *Drosophila* Lifespan and Results in Motor Impairment. In *PLOS ONE*. ISSN 1932-6203, 2013, vol. 8, no. 1, pp., WOS

[1.1] SUESSMUTH, S. D. - SAFT, C. - REILMANN, R. - ORTH, M. - LANDWEHRMEYER, G. B. Huntington's Disease Update. In *AKTUELLE NEUROLOGIE*. ISSN 0302-4350, 2013, vol. 40, no. 7, pp. 377., WOS

[1.2] ARNING, L. - EPPLEN, J.T. Genetic modifiers of Huntingtons disease: Beyond CAG. In *Future Neurology*, 2012, 7, 1, pp. 93-109., SCOPUS

[1.2] COWIN, R.-M. - BUI, N. - GRAHAM, D. - GREEN, J.R. - YUVA-PAYLOR, L.A. - WEISS, A. - PAYLOR, R. Genetic background modulates behavioral impairments in R6/2 mice and suggests a role for dominant genetic modifiers in Huntington's disease pathogenesis. In *Mammalian Genome*, 2012, 23, 5-6, pp. 367-377., SCOPUS

[1.2] LEE, J.-H. - LEE, J.-M. - RAMOS, E.M. - GILLIS, T. - MYSORE, J.S. - KISHIKAWA, S. - HADZI, T. - HENDRICKS, A.E. - HAYDEN, M.R. - MORRISON, P.J. - NANCE, M. - ROSS, C.A. - MARGOLIS, R.L. - SQUITIERI, F. - GELLERA, C. - GOMEZ-TORTOSA, E. - AYUSO, C. - SUCHOWERSKY, O. - TRENT, R.J. - MCCUSKER, E. - NOVELLETTO, A. - FRONTALI, M. - JONES, R. - ASHIZAWA, T. - FRANK, S. - SAINT-HILAIRE, M.-H. - HERSCH, S.M. - ROSAS, H.D. - LUCENTE, D. - HARRISON, M.B. - ZANKO, A. - ABRAMSON, R.K. - MARDER, K. - SEQUEIROS, J. - BERNHARD LANDWEHRMEYER, G. - SHOULSON, I. - MYERS, R.H. - MACDONALD, M.E. - GUSELLA, J.F. TAA repeat variation in the *GRIK2* gene does not influence age at onset in Huntington's disease. In *Biochemical and Biophysical Research Communications*, 2012, 424, 3, pp. 404-408., SCOPUS

ADCA137 METZGER, S. - BAUER, P. - TOMIUK, J. - LACCONE, F. - DIDONATO, S. - GELLERA, C. - SOLIVERI, P. - LANGE, H.W. - WEIRICH-SCHWAIGER, H. - WENNING, G.K. - MELEGH, B. - HAVASI, V. - BALIKO, L. - WIECZOREK, S. - ARNING, L. - ZAREMBA, J. - SULEK, A. - HOFFMAN-ZACHARSKA, D. - BASAK, A.N. - ERSOY, N. - ZIDOVSKA, J. - KEBRDLOVA, V. - PANDOLFO, M. - RIBAI, P. - KÁDAŠI, Lúdevít - KVASNICOVA, M. - WEBER, B.H.F. - KREUZ, F. - DOSE, M. - STUHRMANN, M. - RIESS, O. The S18Y polymorphism in the *UCHL1* gene is a genetic modifier in Huntington's disease. In *Neurogenetics*, 2006, vol. 7, iss. 1, p. 27-30. ISSN 1364-6745.

Ohlasy:

[1.1] CRUZ, Nelly M. - YUAN, Yang - LEEHY, Barrett D. - BAID, Rinku - KOMPELLA, Uday - DEANGELIS, Margaret M. - ESCHER, Pascal - HAIDER, Neena B. Modifier Genes as Therapeutics: The Nuclear Hormone Receptor Rev Erb Alpha (Nr1d1) Rescues Nr2e3 Associated Retinal Disease. In *PLOS ONE*. ISSN 1932-6203, 2014, vol. 9, no. 1, pp., WOS

- [1.1] KEARNEY, Jennifer A. Genetic modifiers of neurological disease. In CURRENT OPINION IN GENETICS & DEVELOPMENT, 2011, vol.21, no.3, 349., WOS
- [1.1] LEE, Ji-Hyun - LEE, Jong-Min - RAMOS, Eliana Marisa - GILLIS, Tammy - MYSORE, Jayalakshmi S. - KISHIKAWA, Shotaro - HADZI, Tiffany - HENDRICKS, Audrey E. - HAYDEN, Michael R. - MORRISON, Patrick J. - NANCE, Martha - ROSS, Christopher A. - MARGOLIS, Russell L. - SQUITIERI, Ferdinando - GELLERA, Cinzia - GOMEZ-TORTOSA, Estrella - AYUSO, Carmen - SUCHOWERSKY, Oksana - TRENT, Ronald J. - MCCUSKER, Elizabeth - NOVELLETTO, Andrea - FRONTALI, Marina - JONES, Randi - ASHIZAWA, Tetsuo - FRANK, Samuel - SAINT-HILAIRE, Marie-Helene - HERSCH, Steven M. - ROSAS, Herminia D. - LUCENTE, Diane - HARRISON, Madaline B. - ZANKO, Andrea - ABRAMSON, Ruth K. - MARDER, Karen - SEQUEIROS, Jorge - LANDWEHRMEYER, G. Bernhard - SHOULSON, Ira - MYERS, Richard H. - MACDONALD, Marcy E. - GUSELLA, James F. TAA repeat variation in the GRIK2 gene does not influence age at onset in Huntington's disease. In BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS. ISSN 0006-291X, 2012, vol. 424, no. 3, pp. 404., WOS
- [1.2] ARNING, L. - EPPLEN, J.T. Genetic modifiers of Huntingtons disease: Beyond CAG. In Future Neurology, 2012, 7, 1, pp. 93-109., SCOPUS
- [1.2] COWIN, R.-M. - BUI, N. - GRAHAM, D. - GREEN, J.R. - YUVA-PAYLOR, L.A. - WEISS, A. - PAYLOR, R. Genetic background modulates behavioral impairments in R6/2 mice and suggests a role for dominant genetic modifiers in Huntington's disease pathogenesis. In Mammalian Genome, 2012, 23, 5-6, pp. 367-377., SCOPUS
- [1.2] MCFARLAND, K.N. - CHA, J.-H.J. Molecular biology of Huntington's disease. In Handbook of Clinical Neurology, 2011, vol.100, 25-81., SCOPUS
- [1.2] ZHANG, B.-R. - TIAN, J. - YAN, Y.-P. - YIN, X.-Z. - ZHAO, G.-H. - WU, Z.-Y. - GU, W.-H. - XIA, K. - TANG, B.-S. CCG polymorphisms in the huntingtin gene have no effect on the pathogenesis of patients with Huntington's disease in mainland Chinese families. In Journal of the Neurological Sciences, 2012, 312, 1-2, pp. 92-96., SCOPUS

ADCA138 MÉZEŠOVÁ, Lucia - BARTEKOVÁ, Monika - JENDRUCHOVÁ, Veronika - VLKOVIČOVÁ, Jana - BREIER, Albert - VRBJAR, Norbert. Effect of quercetin on kinetic properties of renal Na, K-ATPase in normotensive and hypertensive rats. In *Journal of Physiology and Pharmacology : formerly Acta Physiologica Polonica*, 2010, vol. 61, no. 5, p. 593-598. (1.489 - IF2009). (2010 - Current Contents). ISSN 0867-5910.

Ohlasy:

- [1.1] ALARCON-ALONSO, J. - ZAMILPA, A. - AGUILAR, F.A. - HERRERA-RUIZ, M. - TORTORIELLO, J. - JIMENEZ-FERRER, E. Pharmacological characterization of the diuretic effect of Hibiscus sabdariffa Linn (Malvaceae) extract. In JOURNAL OF ETHNOPHARMACOLOGY. ISSN 0378-8741, FEB 15 2012, vol. 139, no. 3, p. 751-756., WOS
- [1.1] MIANA, M. - DE LAS HERAS, N. - RODRIGUEZ, C. - SANZ-ROSA, D. - MARTIN-FERNANDEZ, B. - MEZZANO, S. - LAHERA, V. - MARTINEZ-GONZALEZ, J. - CACHOFEIRO, V. EFFECT OF EPLERENONE ON HYPERTENSION-ASSOCIATED RENAL DAMAGE IN

RATS: POTENTIAL ROLE OF PEROXISOME PROLIFERATOR ACTIVATED RECEPTOR GAMMA (PPAR-gamma). In JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY. ISSN 0867-5910, FEB 2011, vol. 62, no. 1, p. 87-94., WOS

[1.1] PANTELIC, J. - AJDZANOVIC, V. - MEDIGOVIC, I. - MOJIC, M. - TRIFUNOVIC, S. - MILOSEVIC, V. - FILIPOVIC, B. Genistein affects parathyroid gland and NaPi 2a cotransporter in an animal model of the andropause. In Journal of Physiology and Pharmacology, 2013, 64, 3, pp., WOS

[1.1] SUN, Hongxin - NIISATO, Naomi - NISHIO, Kyosuke - HAMILTON, Kirk L. - MARUNAKA, Yoshinori. Distinct Action of Flavonoids, Myricetin and Quercetin, on Epithelial Cl- Secretion: Useful Tools as Regulators of Cl- Secretion. In BIOMED RESEARCH INTERNATIONAL. ISSN 2314-6133, 2014, vol., no., pp., WOS

[1.1] WANG, Xiaohong - SCHRODER, Heinz C. - FENG, Qingling - DIEHL-SEIFERT, Baerbel - GREBENJUK, Vladislav A. - MUELLER, Werner E. G. Isoquercitrin and polyphosphate co-enhance mineralization of human osteoblast-like SaOS-2 cells via separate activation of two RUNX2 cofactors AFT6 and Ets1. In BIOCHEMICAL PHARMACOLOGY. ISSN 0006-2952, 2014, vol. 89, no. 3, pp. 413., WOS

[1.1] ZBIKOWSKA, Halina Malgorzata - ANTOSIK, Adam - SZEJK, Magdalena - BIJAK, Michal - NOWAK, Pawel. A moderate protective effect of quercetin against gamma-irradiation- and storage-induced oxidative damage in red blood cells for transfusion. In INTERNATIONAL JOURNAL OF RADIATION BIOLOGY. ISSN 0955-3002, 2014, vol. 90, no. 12, pp. 1201-1210., WOS

[1.2] CHIRUMBOLO, S. Flavonoids: Recent insights on their biological action. In Handbook on Flavonoids: Dietary Sources, Properties and Health Benefits, 2012, pp. 1-58., SCOPUS

[3.1] PARK, S. Y. - LEE, S. P. Effectiveness of crowberry on plasma total antioxidant status, lipid profile and homocysteine. in Journal of Food and Nutrition Research, 2013, 1(4), 37-41., google scholar

ADCA139 MICUTKOVA, L. - KREPSOVA, K. - SABAN, E. - KRIŽANOVÁ, Oľga - KVETŇANSKÝ, Richard. Modulation of catecholamine-synthesizing enzymes in the rat heart by repeated immobilization stress. In *Annals of the New York Academy of Sciences*, 2004, vol. 1018, stress Current neuroendocrine and genetic approaches, p. 424-429. (1.892 - IF2003). ISSN 0077-8923.

Ohlasy:

[1.1] Costa, V. M.; Carvalho, F.; Bastos, M. L.; Contribution of Catecholamine Reactive Intermediates and Oxidative Stress to the Pathologic Features of Heart Diseases CURRENT MEDICINAL CHEMISTRY Volume: 18 Issue: 15 Pages: 2272-2314 Published: MAY 2011, WOS

[1.1] Esler, M. Sympathetic Neural and Adrenal Medullary Mechanisms in Depression and Panic Disorder. Stress and Cardiovascular Disease, pp. 55-69, 2012, WOS

[1.1] Esler, M. The Causal Role of Chronic Mental Stress in the Pathogenesis of Essential Hypertension. Stress and Cardiovascular Disease, pp: 273-283, 2012, WOS

[1.1] LAMBERT, Elisabeth A. - LAMBERT, Gavin W. Stress and Its Role in Sympathetic Nervous System Activation in Hypertension and the Metabolic

Syndrome. In CURRENT HYPERTENSION REPORTS, 2011, vol.13, no.3, 244., WOS

[1.1] SPASOJEVIC, N. - GAVRILOVIC, L. - DRONJAK, S. Regulation of atrial catecholamine enzymes and adrenoceptor gene expression after chronic stress. In ACTA PHYSIOLOGICA HUNGARICA, 2011, vol.98, no.4, 433., WOS

[1.1] Spasojevic, N.; Gavrilovic, L.; Dronjak, S. Regulation of Catecholamine-Synthesising Enzymes and beta-Adrenoceptors Gene Expression in Ventricles of Stressed Rats PHYSIOLOGICAL RESEARCH Volume: 60 Supplement: 1 Pages: S171-S176 Published: 2011, WOS

[1.2] DIBONA, Gerald F. Interaction of stress and dietary NaCl intake in hypertension: Renal neural mechanisms. In Comprehensive Physiology, 2013, vol. 3, no. 4, pp. 1741-1748., SCOPUS

ADCA140 MICUTKOVA, L. - RYCHKOVA, N. - SABBAN, E. L. - KRIŽANOVÁ, Oľga - KVETŇANSKÝ, Richard. Quantitation of changes in gene expression of norepinephrine biosynthetic enzymes in rat stellate ganglia induced by stress. In *Neurochemistry International*, 2003, vol. 43, no. 3, p. 235-242. ISSN 0197-0186. Ohlasy:

[1.1] GAVRILOVIC, Ljubica - STOJILJKOVIC, Vesna - KASAPOVIC, Jelena - POPOVIC, Natasa - PAJOVIC, Snezana B. - DRONJAK, Sladjana. Treadmill exercise does not change gene expression of adrenal catecholamine biosynthetic enzymes in chronically stressed rats. In ANAIS DA ACADEMIA BRASILEIRA DE CIENCIAS. ISSN 0001-3765, 2013, vol. 85, no. 3, pp. 999., WOS

[1.1] PARK, Shin-Jung. Effects of two types of clothing offering different thermal insulation to the extremities upon nocturnal secretion of urinary 6-sulfatoxymelatonin and sleep propensity. In BIOLOGICAL RHYTHM RESEARCH. ISSN 0929-1016, 2013, vol. 44, no. 6, pp. 885., WOS

ADCA141 MIKUŠOVÁ, Andrea - KRÁLOVÁ, Eva - TYLKOVÁ, Lucia - NOVOTOVÁ, Marta - STANKOVIČOVÁ, T. Myocardial remodelling induced by repeated low doses of isoproterenol. In *Canadian Journal of Physiology and Pharmacology*, 2009, vol. 87, issue 8, p. 641-651. (1.763 - IF2008). (2009 - Current Contents). ISSN 0008-4212.

Ohlasy:

[1.1] SIMKO, Fedor - BEDNAROVA, Kristina Repova - KRAJCIROVICOVA, Kristina - HRENAK, Jaroslav - CELEC, Peter - KAMODYOVA, Natalia - GAJDOSECHOVA, Lucia - ZORAD, Stefan - ADAMCOVA, Michaela. Melatonin reduces cardiac remodeling and improves survival in rats with isoproterenol-induced heart failure. In JOURNAL OF PINEAL RESEARCH. ISSN 0742-3098, 2014, vol. 57, no. 2, pp. 177., WOS

[1.1] ZUO, You-mei - WANG, Xing-hui - GAO, Shan - ZHANG, Ye. Oligomerized Grape Seed Proanthocyanidins Ameliorates Isoproterenol-induced Cardiac Remodeling in Rats: Role of Oxidative Stress. In PHYTOTHERAPY RESEARCH, 2011, vol.25, no.5, 732., WOS

[1.2] CATALANO, D. - ODORE, R. - AMEDEO, S. - BELLINO, C. - BIASIBETTI, E. - MINISCALCO, B. - PERONA, G. - POLLICINO, P. - SAVARINO, P. - TOMASSONE, L. - ZANATTA, R. - CAPUCCHIO, M.T. Physiopathological changes related to the use of ractopamine in swine: Clinical

and pathological investigations. In *Livestock Science*, 2012, 144, 1-2, pp. 74-81., SCOPUS

[1.2] JANKYOVA, S. - KMECOVA, J. - CERNECKA, H. - MESAROSOVA, L. - MUSIL, P. - BRNOLIAKOVA, Z. - KYSELOVIC, J. - BABAL, P. - KLIMAS, J. Glucose and blood pressure lowering effects of Pycnogenol® are inefficient to prevent prolongation of QT interval in experimental diabetic cardiomyopathy. In *Pathology Research and Practice*, 2012, 208, 8, pp. 452-457., SCOPUS

ADCA142 MINÁRIK, G. - FERÁKOVÁ, E. - FICEK, Andrej - POLÁKOVÁ, Helena - KÁDAŠI, Ľudevít. GJB2 gene mutations in Slovak hearing-impaired patients of Caucasian origin: spectrum, frequencies and SNP analysis. In *Clinical genetics : An International Journal of Genetics and Molecular Medicine*, 2005, vol. 68, no. 6, p. 554-557. ISSN 0009-9163.

Ohlasy:

[1.1] DAVARNIA, Behzad - BABANEJAD, Mojgan - FATTAHI, Zohreh - NIKZAT, Nooshin - BAZAZZADEGAN, Niloofar - PIRZADE, Akbar - FARAJOLLAHI, Reza - NISHIMURA, Carla - JALALVAND, Khadijeh - ARZHANGI, Sanaz - KAHRIZI, Kimia - SMITH, Richard J. H. - NAJMABADI, Hossein. Spectrum of GJB2 (Cx26) gene mutations in Iranian Azeri patients with nonsyndromic autosomal recessive hearing loss. In *INTERNATIONAL JOURNAL OF PEDIATRIC OTORHINOLARYNGOLOGY*. ISSN 0165-5876, 2012, vol. 76, no. 2, pp. 268., WOS

[1.1] CHAN, Dylan K. - CHANG, Kay W. GJB2-Associated Hearing Loss: Systematic Review of Worldwide Prevalence, Genotype, and Auditory Phenotype. In *LARYNGOSCOPE*. ISSN 0023-852X, 2014, vol. 124, no. 2, pp. E34., WOS

ADCA143 MINÁRIK, G. - TRETINÁROVÁ, D. - SZEMES, Tomáš - KÁDAŠI, Ľudevít. Prevalence of DFNB1 mutations in Slovak patients with non-syndromic hearing loss. In *International journal of pediatric otorhinolaryngology*, 2012, vol.76, p. 400-403. (1.167 - IF2011). (2012 - Current Contents). ISSN 0165-5876.

Ohlasy:

[1.1] BLIZNETZ, E. A. - MARTSUL, D. N. - KHOROV, O. G. - MARKOVA, T. G. - POLYAKOV, A. V. Spectrum of the GJB2 Mutations in Belarussian Patients with Hearing Loss. Findings of Pilot Genetic Screening of Hearing Impairment in Newborns. In *RUSSIAN JOURNAL OF GENETICS*. ISSN 1022-7954, 2014, vol. 50, no. 2, pp. 191., WOS

[1.1] DE LA LUZ ARENAS-SORDO, Maria - MENENDEZ, Ibis - HERNANDEZ-ZAMORA, Edgar - SIRMACI, Asli - GUTIERREZ-TINAJERO, Diana - MCGETRICK, Molly - MURPHY-RUIZ, Paulina - LEYVA-JUAREZ, Xolotl - HUESCA-HERNANDEZ, Fabiola - DOMINGUEZ-ABURTO, Juan - TEKIN, Mustafa. Unique spectrum of GJB2 mutations in Mexico. In *INTERNATIONAL JOURNAL OF PEDIATRIC OTORHINOLARYNGOLOGY*. ISSN 0165-5876, 2012, vol. 76, no. 11, pp. 1678., WOS

[1.1] CHAN, Dylan K. - CHANG, Kay W. GJB2-Associated Hearing Loss: Systematic Review of Worldwide Prevalence, Genotype, and Auditory Phenotype. In *LARYNGOSCOPE*. ISSN 0023-852X, 2014, vol. 124, no. 2, pp. E34., WOS

- [1.1] CHEN, Guanming - LIU, Jing - DONG, Jiashu - LI, Jiabin - FU, Siqing. GJB2 mutations are rare in probands with hearing loss in Chinese assortative mating families. In INTERNATIONAL JOURNAL OF PEDIATRIC OTORHINOLARYNGOLOGY. ISSN 0165-5876, 2014, vol. 78, no. 2, pp. 244., WOS
- [1.1] LOEZA-BECERRA, Francisco - DEL REFUGIO RIVERA-VEGA, Maria - MARTINEZ-SAUCEDO, Mirna - MARIA GONZALEZ-HUERTA, Luz - URUETA-CUELLAR, Hector - BERRRUECOS-VILLALOBOS, Pedro - CUEVAS-COVARRUBIAS, Sergio. Particular distribution of the GJB2/GJB6 gene mutations in Mexican population with hearing impairment. In INTERNATIONAL JOURNAL OF PEDIATRIC OTORHINOLARYNGOLOGY. ISSN 0165-5876, 2014, vol. 78, no. 7, pp. 1057., WOS
- [1.1] VARGA, L. - MASINDOVA, I. - HUCKOVA, M. - KABATOVA, Z. - GASPERIKOVA, D. - KLIMES, I. - PROFANT, M. Prevalence of DFNB1 mutations among cochlear implant users in Slovakia and its clinical implications. In EUROPEAN ARCHIVES OF OTO-RHINO-LARYNGOLOGY. ISSN 0937-4477, 2014, vol. 271, no. 6, pp. 1401., WOS
- [1.2] GASPERIKOVA, D. - MASINDOVA, I. - VARGA, L. - STANIK, J. - VALENTINOVA, L. - PROFANT, M. - KLIMES, I. Molecular and hereditary mechanisms of sensorineural hearing loss with focus on selected endocrinopathies. In Endocrine Regulations, 2012, 46, 3, pp. 167-186., SCOPUS

ADCA144 MISLOVICOVA, D. - GEMEINER, P. - BREIER, Albert. Study of porous cellulose beads as an affinity adsorbent via quantitative measurements of interactions of lactate-dehydrogenase with immobilized anthraquinone dyes. In *Enzyme and Microbial Technology*, 1988, vol. 10, issue 9, p. 568-573. ISSN 0141-0229.

Ohlasy:

- [1.1] GERICKE, Martin - TRYGG, Jani - FARDIM, Pedro. Functional Cellulose Beads: Preparation, Characterization, and Applications. In CHEMICAL REVIEWS. ISSN 0009-2665, 2013, vol. 113, no. 7, pp. 4812., WOS

ADCA145 MISLOVIČOVÁ, Danica - GEMEINER, Peter - SANDULA, Jozef - MASÁROVÁ, Jana - VIKARTOVSKÁ, Alica, Welwardová - DOČOLOMANSKÝ, Peter. Examination of bioaffinity immobilization by precipitation of mannan and mannan-containing enzymes with legume lectins. In *Biotechnology and Applied Biochemistry*, 2000, vol. 31, p. 153-159. (2000 - Current Contents). ISSN 0885-4513.

Ohlasy:

- [1.1] Ansari, SA (Ansari, Shakeel Ahmed); Husain, Q (Husain, Qayyum) In: FOOD AND BIOPRODUCTS PROCESSING, 2012, Volume: 90 Issue: C2 Pages: 351-359, WOS
- [1.1] Cristovao, RO (Cristovao, Raquel O.); Tavares, APM (Tavares, Ana P. M.); Brigida, AI (Iraidy Brigida, Ana); Loureiro, JM (Loureiro, Jose M.); Boaventura, RAR (Boaventura, Rui A. R.); Macedo, EA (Macedo, Eugenia A.); Coelho, MAZ (Coelho, Maria Alice Z.) Source: JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC Volume: 72 Issue: 1-2 Pages: 6-12, WOS
- [1.1] Jamal, F (Jamal, Farrukh); Qidwai, T (Qidwai, Tabish); Singh, D

(Singh, Dushyant); Pandey, PK (Pandey, Prabhash K.) In: JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC, 2012, Volume: 74 Issue: 1-2 Pages: 125-131, WOS

[1.1] Malik, A (Malik, Abdul); Rahman, M (Rahman, Mashihur); Ansari, MI (Ansari, Mohd Ikram); Masood, F (Masood, Farhana); Grohmann, E (Grohmann, Elisabeth) In: ENVIRONMENTAL PROTECTION STRATEGIES FOR SUSTAINABLE DEVELOPMENT Book Series: Strategies for Sustainability, 2012, Pages: 1-34, WOS

[1.1] Melnykova, N. M.; Mykhalkiv, L. M.; Mamenko, P. M.; Kots, S. Ya, In: BIOPOLYMERS AND CELL Volume: 29 Issue: 5 Pages: 357-366, WOS

[1.1] Mikhailov, OV (Mikhailov, Oleg V.), In: INORGANICA CHIMICA ACTA Volume: 394 Pages: 664-684, WOS

[1.1] Singh, V (Singh, Veena); Sardar, M (Sardar, Meryam); Gupta, MN (Gupta, Munishwar Nath), In: IMMOBILIZATION OF ENZYMES AND CELLS, 3RD EDITION Book Series Title: Methods in Molecular Biology Volume: 1051 Pages: 129-137, WOS

[1.2] Jamal, F., Singh, S., Qidwai, T., Singh, D., Pandey, P. K., Pandey, G. C., & Khan, M. Y., In: Biocatalysis, SCOPUS

ADCA146 MIŠÍK, Vladimír - ONDRIAŠ, Karol - STAŠKO, Andrej. EPR spectroscopy of free radical intermediates of antiarrhythmic-antihypoxic drug stobadine, a pyridoindole derivative. In *Life Sciences*, 1999, vol. 65, no. 18/19, p. 1879-1881. (1.937 - IF1998). (1999 - Current Contents). ISSN 0024-3205.

Ohlasy:

[1.1] CINDRIC, M. - CIPAK, A. - ZAPLETAL, E. - JAGANJAC, M. - MILKOVIC, L. - WAEG, G. - STOLC, S. - ZARKOVIC, N. - BOROVIC, S. S. Stobadine attenuates impairment of an intestinal barrier model caused by 4-hydroxynonenal. In TOXICOLOGY IN VITRO. ISSN 0887-2333, 2013, vol. 27, no. 1, p. 426-432., WOS

[1.1] ESTEVAO, M.S. - CARVALHO, L.C. - FERREIRA, L.M. - FERNANDES, E. - MARQUES, M.M.B. Analysis of the antioxidant activity of an indole library: cyclic voltammetry versus ROS scavenging activity. In TETRAHEDRON LETTERS. ISSN 0040-4039, 2011, vol. 52, no. 1, p. 101-106., WOS

[1.1] SUZEN, S. Melatonin and Synthetic Analogs as Antioxidants. In CURRENT DRUG DELIVERY. ISSN 1567-2018, 2013, vol. 10, no. 1, p. 71-75., WOS

[1.1] SUZEN, S. - CIHANER, S.S. - COBAN, T. Synthesis and Comparison of Antioxidant Properties of Indole-Based Melatonin Analogue Indole Amino Acid Derivatives. In CHEMICAL BIOLOGY & DRUG DESIGN. ISSN 1747-0277, 2012, vol. 79, no. 1, p. 76-83., WOS

[1.1] SUZEN, S. - TEKINER-GULBAS, B. - SHIRINZADEH, H. - USLU, D. - GURER-ORHAN, H. - GUMUSTAS, M. - OZKAN, S.A. Antioxidant activity of indole-based melatonin analogues in erythrocytes and their voltammetric characterization. In JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY. ISSN 1475-6366, 2013, vol. 28, no. 6, p. 1143-1155., WOS

[1.1] TEKINER-GULBAS, B. - WESTWELL, A.D. - SUZEN, S. Oxidative Stress in Carcinogenesis: New Synthetic Compounds with Dual Effects Upon Free Radicals and Cancer. In CURRENT MEDICINAL CHEMISTRY. ISSN

0929-8673, 2013, vol. 20, no. 36, p. 4451-4459., WOS

[1.1] YILMAZ, A.D. - COBAN, T. - SUZEN, S. Synthesis and antioxidant activity evaluations of melatonin-based analogue indole-hydrazide/hydrazone derivatives. In JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY. ISSN 1475-6366, 2012, vol. 27, no. 3, p. 428-436., WOS

ADCA147 MOJŽIŠOVÁ, Alexandra - KRIŽANOVÁ, Oľga - ŽAČIKOVÁ, Ľubomíra - KOMÍNKOVÁ, Viera - ONDRIAS, Karol. Effect of nicotinic acid adenine dinucleotide phosphate on ryanodine calcium release channel in heart. In *Pflugers Archiv-European Journal of Physiology*, 2001, vol. 441, iss. 5, p. 674-677. ISSN 0031-6768.

Ohlasy:

[1.1] COLLINS, Thomas P. - BAYLISS, Rebecca - CHURCHILL, Grant C. - GALIONE, Antony - TERRAR, Derek A. NAADP influences excitation-contraction coupling by releasing calcium from lysosomes in atrial myocytes. In CELL CALCIUM, 2011, vol.50, no.5, 449., WOS

[1.1] GUSE, Andreas H. Linking NAADP to Ion Channel Activity: A Unifying Hypothesis. In SCIENCE SIGNALING. ISSN 1937-9145, 2012, vol. 5, no. 221, pp., WOS

[1.1] GUSE, Andreas H. - ERNST, Insa M. A. - FLIEGERT, Ralf. NAADP Signaling Revisited. In CURRENT TOPICS IN MEDICINAL CHEMISTRY. ISSN 1568-0266, 2013, vol. 13, no. 23, pp. 2978., WOS

[1.1] MORGAN, Anthony J. - PLATT, Frances M. - LLOYD-EVANS, Emyr - GALIONE, Antony. Molecular mechanisms of endolysosomal Ca²⁺ signalling in health and disease. In BIOCHEMICAL JOURNAL, 2011, vol.439, no., 349., WOS

[1.1] WARSZTA, Dominik - NEBEL, Merle - FLIEGERT, Ralf - GUSE, Andreas H. NAD derived second messengers: Role in spontaneous diastolic Ca²⁺ transients in murine cardiac myocytes. In DNA REPAIR. ISSN 1568-7864, 2014, vol. 23, no., pp. 69., WOS

[1.2] GUSE, Andreas H. Calcium mobilizing second messengers derived from NAD. In Biochimica et Biophysica Acta Proteins and Proteomics. ISSN 15709639, 2014-11-05, 1854, 9, pp. 1132-1137., SCOPUS

[1.2] HOOPER, R. - PATEL, S. NAADP on target. In Advances in Experimental Medicine and Biology, 2012, 740, pp. 325-347., SCOPUS

[1.2] NEBEL, Merle - SCHWOERER, Alexander Peter - WARSZTA, Dominik - SIEBRANDS, Cornelia C. - LIMBROCK, Ann Christin - SWARBRICK, Joanna M. - FLIEGERT, Ralf - WEBER, Karin P. - BRUHN, Sören - HOHENEGGER, Martin - GEISLER, Anne C. - HERICH, Lena - SCHLEGEL, Susan - CARRIER, Lucie - ESCHENHAGEN, Thomas - POTTER, Barry VL L - EHMKE, Heimo - GUSE, Andreas H. Nicotinic acid adenine dinucleotide phosphate (NAADP)-mediated calcium signaling and arrhythmias in the heart evoked by β -adrenergic stimulation. In Journal of Biological Chemistry. ISSN 00219258, 2013-05-31, 288, 22, pp. 16017-16030., SCOPUS

ADCA148 MOOSMANG, S. - HAIDER, N - KLUGBAUER, N. - ADELSBERGER, H. - LAGWIESER, N. - MULLER, J. - STIESS, M. - MARAIS, E. - SCHULLA, V. - LACINOVÁ, Ľubica - GOEBBELS, S. - NAVE, K. A. - HOFMANN, F. - KLEPPISCH, T. Role of hippocampal Ca(v)1.2 Ca²⁺ channels in NMDA

receptor-independent synaptic plasticity and spatial memory. In *Journal of Neuroscience*, 2005, vol. 25, iss. 43, p. 9883-9892. ISSN 0270-6474.

Ohlasy:

[1.1] ANEKONDA, T.S. - QUINN, J.F. Calcium channel blocking as a therapeutic strategy for Alzheimer's disease: The case for isradipine. In *BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR BASIS OF DISEASE*. ISSN 0925-4439, DEC 2011, vol. 1812, no. 12, p. 1584-1590., WOS

[1.1] BACKES, Heide Lore - DIETSCH, Bruno - NAGELS, Arne - KONRAD, Carsten - WITT, Stephanie H. - RIETSCH, Marcella - KIRCHER, Tilo - KRUG, Axel. Genetic variation in CACNA1C affects neural processing in major depression. In *JOURNAL OF PSYCHIATRIC RESEARCH*. ISSN 0022-3956, 2014, vol. 53, no., pp. 38., WOS

[1.1] BAKER, Kathryn D. - EDWARDS, Thomas M. - RICKARD, Nikki S. The role of intracellular calcium stores in synaptic plasticity and memory consolidation. In *NEUROSCIENCE AND BIOBEHAVIORAL REVIEWS*. ISSN 0149-7634, 2013, vol. 37, no. 7, pp. 1211., WOS

[1.1] BENGTON, C. Peter - KAISER, Martin - OBERMAYER, Joshua - BADING, Hilmar. Calcium responses to synaptically activated bursts of action potentials and their synapse-independent replay in cultured networks of hippocampal neurons. In *BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH*. ISSN 0167-4889, 2013, vol. 1833, no. 7, pp. 1672., WOS

[1.1] BERGER, Stefan M. - BARTSCH, Dusan. The role of L-type voltage-gated calcium channels Ca(v)1.2 and Ca(v)1.3 in normal and pathological brain function. In *CELL AND TISSUE RESEARCH*. ISSN 0302-766X, 2014, vol. 357, no. 2, pp. 463., WOS

[1.1] BERRIDGE, Michael J. Calcium signalling and psychiatric disease: bipolar disorder and schizophrenia. In *CELL AND TISSUE RESEARCH*. ISSN 0302-766X, 2014, vol. 357, no. 2, pp. 477., WOS

[1.1] BERRIDGE, Michael J. Calcium regulation of neural rhythms, memory and Alzheimer's disease. In *JOURNAL OF PHYSIOLOGY-LONDON*. ISSN 0022-3751, 2014, vol. 592, no. 2, pp. 281., WOS

[1.1] BEST, J.M. - FOELL, J.D. - BUSS, C.R. - DELISLE, B.P. - BALIJEPALLI, R.C. - JANUARY, C.T. - KAMP, T.J. Small GTPase Rab11b regulates degradation of surface membrane L-type Ca(v)1.2 channels. In *AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY*. ISSN 0363-6143, MAY 2011, vol. 300, no. 5, p. C1023-C1033., WOS

[1.1] BHAT, Shambhu - DAO, David T. - TERRILLION, Chantelle E. - ARAD, Michal - SMITH, Robert J. - SOLDATOV, Nikolai M. - GOULD, Todd D. CACNA1C (Ca(v)1.2) in the pathophysiology of psychiatric disease. In *PROGRESS IN NEUROBIOLOGY*. ISSN 0301-0082, 2012, vol. 99, no. 1, pp. 1., WOS

[1.1] BOCK, G. - GEBHART, M. - SCHARINGER, A. - JANGSANGTHONG, W. - BUSQUET, P. - POGGIANI, C. - SARTORI, S. - MANGONI, M.E. - SINNEGGER-BRAUNS, M.J. - HERZIG, S. - STRIESSNIG, J. - KOSCHAK, A. Functional Properties of a Newly Identified C-terminal Splice Variant of Ca(v)1.3 L-type Ca²⁺ Channels. In *JOURNAL OF BIOLOGICAL CHEMISTRY*. ISSN 0021-9258, DEC 9 2011, vol. 286, no. 49, p. 42736-42748., WOS

[1.1] CABRAL, Henrique O. - FOUQUET, Celine - RONDIREIG, Laure -

PENNARTZ, Cyriel M. A. - BATTAGLIA, Francesco P. Single-Trial Properties of Place Cells in Control and CA1 NMDA Receptor Subunit 1-KO Mice. In JOURNAL OF NEUROSCIENCE. ISSN 0270-6474, 2014, vol. 34, no. 48, pp. 15861., WOS

[1.1] DAVIS, Justin - MOYLAN, Steven - HARVEY, Brian H. - MAES, Michael - BERK, Michael. Neuroprogression in schizophrenia: Pathways underpinning clinical staging and therapeutic corollaries. In AUSTRALIAN AND NEW ZEALAND JOURNAL OF PSYCHIATRY. ISSN 0004-8674, 2014, vol. 48, no. 6, pp. 512., WOS

[1.1] DI BIASE, V. - TULUC, P. - CAMPIGLIO, M. - OBERMAIR, G.J. - HEINE, M. - FLUCHER, B.E. Surface Traffic of Dendritic Ca(v)1.2 Calcium Channels in Hippocampal Neurons. In JOURNAL OF NEUROSCIENCE. ISSN 0270-6474, SEP 21 2011, vol. 31, no. 38, p. 13682-13694., WOS

[1.1] DIETSCH, Bruno - BACKES, Heide - LANERI, Davide - WEIKERT, Thomas - WITT, Stephanie H. - RIETSCH, Marcella - SOMMER, Jens - KIRCHER, Tilo - KRUG, Axel. The impact of a CACNA1C gene polymorphism on learning and hippocampal formation in healthy individuals: A diffusion tensor imaging study. In NEUROIMAGE. ISSN 1053-8119, 2014, vol. 89, no., pp. 256., WOS

[1.1] DIXSON, Luanna - WALTER, Henrik - SCHNEIDER, Michael - ERK, Susanne - SCHAEFER, Axel - HADDAD, Leila - GRIMM, Oliver - MATTHEISEN, Manuel - NOETHEN, Markus M. - CICHON, Sven - WITT, Stephanie H. - RIETSCH, Marcella - MOHNKE, Sebastian - SEIFERTH, Nina - HEINZ, Andreas - TOST, Heike - MEYER-LINDENBERG, Andreas. Identification of gene ontologies linked to prefrontal-hippocampal functional coupling in the human brain. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. ISSN 0027-8424, 2014, vol. 111, no. 26, pp. 9657., WOS

[1.1] DONG, Suzhen - ZENG, Qingwen - MITCHELL, E. Siobhan - XIU, Jin - DUAN, Yale - LI, Chunxia - TIWARI, Jyoti K. - HU, Yinghe - CAO, Xiaohua - ZHAO, Zheng. Curcumin Enhances Neurogenesis and Cognition in Aged Rats: Implications for Transcriptional Interactions Related to Growth and Synaptic Plasticity. In PLOS ONE. ISSN 1932-6203, 2012, vol. 7, no. 2, pp., WOS

[1.1] ERK, Susanne - MEYER-LINDENBERG, Andreas - SCHMIERER, Phoebe - MOHNKE, Sebastian - GRIMM, Oliver - GARBUSOW, Maria - HADDAD, Leila - POEHLAND, Lydia - MUEHLEISEN, Thomas W. - WITT, Stephanie H. - TOST, Heike - KIRSCH, Peter - ROMANCZUK-SEIFERTH, Nina - SCHOTT, Bjoern H. - CICHON, Sven - NOETHEN, Markus M. - RIETSCH, Marcella - HEINZ, Andreas - WALTER, Henrik. Hippocampal and Frontolimbic Function as Intermediate Phenotype for Psychosis: Evidence from Healthy Relatives and a Common Risk Variant in CACNA1C. In BIOLOGICAL PSYCHIATRY. ISSN 0006-3223, 2014, vol. 76, no. 6, pp. 466., WOS

[1.1] ERK, Susanne - MEYER-LINDENBERG, Andreas - LINDEN, David E. J. - LANCASTER, Thomas - MOHNKE, Sebastian - GRIMM, Oliver - DEGENHARDT, Franziska - HOLMANS, Peter - POCKLINGTON, Andrew - SCHMIERER, Phoebe - HADDAD, Leila - MUEHLEISEN, Thomas W. - MATTHEISEN, Manuel - WITT, Stephanie H. - ROMANCZUK-SEIFERTH, Nina - TOST, Heike - SCHOTT, Bjoern H. - CICHON, Sven - NOETHEN,

- Markus M. - RIETSCHER, Marcella - HEINZ, Andreas - WALTER, Henrik. Replication of brain function effects of a genome-wide supported psychiatric risk variant in the CACNA1C gene and new multi-locus effects. In NEUROIMAGE. ISSN 1053-8119, 2014, vol. 94, no., pp. 147., WOS
- [1.1] FAVEREAUX, A. - THOUMINE, O. - BOUALI-BENAZZOUZ, R. - ROQUES, V. - PAPON, M.A. - SALAM, S.A. - DRUTEL, G. - LEGER, C. - CALAS, A. - NAGY, F. - LANDRY, M. Bidirectional integrative regulation of Cav1.2 calcium channel by microRNA miR-103: role in pain. In EMBO JOURNAL. ISSN 0261-4189, SEP 14 2011, vol. 30, no. 18, p. 3830-3841., WOS
- [1.1] FERRANDIZ-HUERTAS, Clotilde - GIL-MINGUEZ, Mercedes - LUJAN, Rafael. Regional expression and subcellular localization of the voltage-gated calcium channel beta subunits in the developing mouse brain. In JOURNAL OF NEUROCHEMISTRY. ISSN 0022-3042, 2012, vol. 122, no. 6, pp. 1095., WOS
- [1.1] FINNIE, Peter S. B. - NADER, Karim. The role of metaplasticity mechanisms in regulating memory destabilization and reconsolidation. In NEUROSCIENCE AND BIOBEHAVIORAL REVIEWS. ISSN 0149-7634, 2012, vol. 36, no. 7, pp. 1667., WOS
- [1.1] FU, Y. - WESTENBROEK, R.E. - YU, F.H. - CLARK, J.P. - MARSHALL, M.R. - SCHEUER, T. - CATTERALL, W.A. Deletion of the Distal C Terminus of Ca(V)1.2 Channels Leads to Loss of beta-Adrenergic Regulation and Heart Failure in Vivo. In JOURNAL OF BIOLOGICAL CHEMISTRY. ISSN 0021-9258, APR 8 2011, vol. 286, no. 14., WOS
- [1.1] GANGAROSSA, Giuseppe - LAFFRAY, Sophie - BOURINET, Emmanuel - VALJENT, Emmanuel. T-type calcium channel Ca(v)3.2 deficient mice show elevated anxiety, impaired memory and reduced sensitivity to psychostimulants. In FRONTIERS IN BEHAVIORAL NEUROSCIENCE. ISSN 1662-5153, 2014, vol. 8, no., pp., WOS
- [1.1] GEIER, P. - LAGLER, M. - BOEHM, S. - KUBISTA, H. Dynamic interplay of excitatory and inhibitory coupling modes of neuronal L-type calcium channels. In AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY. ISSN 0363-6143, APR 2011, vol. 300, no. 4, p. C937-C949., WOS
- [1.1] GIUSTI-RODRIGUEZ, Paola - SULLIVAN, Patrick F. The genomics of schizophrenia: update and implications. In JOURNAL OF CLINICAL INVESTIGATION. ISSN 0021-9738, 2013, vol. 123, no. 11, pp. 4557., WOS
- [1.1] HALL, Duane D. - DAI, Shuiping - TSENG, Pang-Yen - MALIK, Zulfiqar - MINH NGUYEN - MATT, Lucas - SCHNIZLER, Katrin - SHEPHARD, Andrew - MOHAPATRA, Durga P. - TSURUTA, Fuminori - DOLMETSCH, Ricardo E. - CHRISTEL, Carl J. - LEE, Amy - BURETTE, Alain - WEINBERG, Richard J. - HELL, Johannes W. Competition between alpha-actinin and Ca²⁺-Calmodulin Controls Surface Retention of the L-type Ca²⁺ Channel Ca(v)1.2. In NEURON. ISSN 0896-6273, 2013, vol. 78, no. 3, pp. 483., WOS
- [1.1] HASREITER, Julia - GOLDNAGL, Lena - BOEHM, Stefan - KUBISTA, Helmut. Ca(v)1.2 and Ca(v)1.3 L-type calcium channels operate in a similar voltage range but show different coupling to Ca²⁺-dependent conductances in hippocampal neurons. In AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY. ISSN 0363-6143, 2014, vol. 306, no. 12, pp. C1200., WOS

- [1.1] HENG, L.J. - MARKHAM, J.A. - HU, X.T. - TSENG, K.Y. Concurrent upregulation of postsynaptic L-type Ca^{2+} channel function and protein kinase A signaling is required for the periadolescent facilitation of Ca^{2+} plateau potentials and dopamine D1 receptor modulation in the prefrontal cortex. In NEUROPHARMACOLOGY. ISSN 0028-3908, MAY 2011, vol. 60, no. 6, p. 953-962., WOS
- [1.1] HE, Kuanjun - AN, Zhiguo - WANG, Qingzhong - LI, Tao - LI, Zhiqiang - CHEN, Jianhua - LI, Wenjin - WANG, Ti - JI, Jue - FENG, Guoyin - LIN, He - YI, Qizhong - SHI, Yongyong. CACNA1C, schizophrenia and major depressive disorder in the Han Chinese population. In BRITISH JOURNAL OF PSYCHIATRY. ISSN 0007-1250, 2014, vol. 204, no. 1, pp. 36., WOS
- [1.1] HIRTZ, Jan J. - BRAUN, Nadine - GRIESEMER, Desiree - HANNES, Christian - JANZ, Katrin - LOEHRKE, Stefan - MUELLER, Britta - FRIAUF, Eckhard. Synaptic Refinement of an Inhibitory Topographic Map in the Auditory Brainstem Requires Functional $\text{Ca(V)}1.3$ Calcium Channels. In JOURNAL OF NEUROSCIENCE. ISSN 0270-6474, 2012, vol. 32, no. 42, pp. 14602., WOS
- [1.1] HORI, Hiroaki - YAMAMOTO, Noriko - FUJII, Takashi - TERAISHI, Toshiya - SASAYAMA, Daimei - MATSUO, Junko - KAWAMOTO, Yumiko - KINOSHITA, Yukiko - OTA, Miho - HATTORI, Kotaro - TATSUMI, Masahiko - ARIMA, Kunimasa - KUNUGI, Hiroshi. Effects of the CACNA1C risk allele on neurocognition in patients with schizophrenia and healthy individuals. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2012, vol. 2, no., pp., WOS
- [1.1] CHEN, Chien-Chang - SHEN, Jhe-Wei - CHUNG, Ni-Chun - MIN, Ming-Yuan - CHENG, Sin-Jong - LIU, Ingrid Y. Retrieval of Context-Associated Memory is Dependent on the $\text{Ca(v)}3.2$ T-Type Calcium Channel. In PLOS ONE. ISSN 1932-6203, 2012, vol. 7, no. 1, pp., WOS
- [1.1] IOAN, P. - CAROSATI, E. - MICUCCI, M. - CRUCIANI, G. - BROCCATELLI, F. - ZHOROV, B. S. - CHIARINI, A. - BUDRIESI, R. 1,4-Dihydropyridine Scaffold in Medicinal Chemistry, The Story so Far And Perspectives (Part 1): Action in Ion Channels and GPCRs. In CURRENT MEDICINAL CHEMISTRY. ISSN 0929-8673, 2011, vol. 18, no. 32, pp. 4901., WOS
- [1.1] KATO, Hiroyuki K. - KASSAI, Hidetoshi - WATABE, Ayako M. - AIBA, Atsu - MANABE, Toshiya. Functional coupling of the metabotropic glutamate receptor, InsP_3 receptor and L-type Ca^{2+} channel in mouse CA1 pyramidal cells. In JOURNAL OF PHYSIOLOGY-LONDON. ISSN 0022-3751, 2012, vol. 590, no. 13, pp. 3019., WOS
- [1.1] KAWAMOTO, Elisa Mitiko - VIVAR, Carmen - CAMANDOLA, Simonetta. Physiology and pathology of calcium signaling in the brain. In FRONTIERS IN PHARMACOLOGY. ISSN 1663-9812, 2012, vol. 3, no., pp., WOS
- [1.1] KERRISK, Meghan E. - CINGOLANI, Lorenzo A. - KOLESKE, Anthony J. ECM receptors in neuronal structure, synaptic plasticity, and behavior. In BRAIN EXTRACELLULAR MATRIX IN HEALTH AND DISEASE. ISSN 0079-6123, 2014, vol. 214, no., pp. 101., WOS
- [1.1] KROKER, K.S. - RAST, G. - ROSENBROCK, H. Differential effect of the mGlu5 receptor positive allosteric modulator ADX-47273 on early and late hippocampal LTP. In NEUROPHARMACOLOGY. ISSN 0028-3908, SEP 2011, vol. 61, no. 4, p. 707-714., WOS
- [1.1] KRUG, Axel - WITT, Stephanie H. - BACKES, Heidelore -

- DIETSCHKE, Bruno - NIERATSCHKER, Vanessa - SHAH, N. Jon - NOTHEN, Markus M. - RIETSCHKE, Marcella - KIRCHER, Tilo. A genome-wide supported variant in CACNA1C influences hippocampal activation during episodic memory encoding and retrieval. In EUROPEAN ARCHIVES OF PSYCHIATRY AND CLINICAL NEUROSCIENCE. ISSN 0940-1334, 2014, vol. 264, no. 2, pp. 103., WOS
- [1.1] LARDNER, Anne L. Neurobiological effects of the green tea constituent theanine and its potential role in the treatment of psychiatric and neurodegenerative disorders. In NUTRITIONAL NEUROSCIENCE. ISSN 1028-415X, 2014, vol. 17, no. 4, pp. 145., WOS
- [1.1] LEE, Amy - FAKLER, Bernd - KACZMAREK, Leonard K. - ISOM, Lori L. More Than a Pore: Ion Channel Signaling Complexes. In JOURNAL OF NEUROSCIENCE. ISSN 0270-6474, 2014, vol. 34, no. 46, pp. 15159., WOS
- [1.1] MAJER, Anna - MEDINA, Sarah J. - NIU, Yulian - ABRENICA, Bernard - MANGUIAT, Kathy J. - FROST, Kathy L. - PHILIPSON, Clark S. - SORENSEN, Debra L. - BOOTH, Stephanie A. Early Mechanisms of Pathobiology Are Revealed by Transcriptional Temporal Dynamics in Hippocampal CA1 Neurons of Prion Infected Mice. In PLOS PATHOGENS. ISSN 1553-7374, 2012, vol. 8, no. 11, pp., WOS
- [1.1] MEYER-LINDENBERG, Andreas. The future of fMRI and genetics research. In NEUROIMAGE. ISSN 1053-8119, 2012, vol. 62, no. 2, pp. 1286., WOS
- [1.1] MICHALAKIS, S. - KLEPPISCH, T. - POLTA, S. A. - WOTJAK, C. T. - KOCH, S. - RAMMES, G. - MATT, L. - BECIROVIC, E. - BIEL, M. Altered synaptic plasticity and behavioral abnormalities in CNGA3-deficient mice. In GENES BRAIN AND BEHAVIOR. ISSN 1601-1848, 2011, vol. 10, no. 2, pp. 137., WOS
- [1.1] MUKHINA, I. V. - KOROTCHENKO, S. A. - DITYATEV, A. E. Extracellular matrix molecules, their receptors, and extracellular proteases as synaptic plasticity modulators. In NEUROCHEMICAL JOURNAL. ISSN 1819-7124, 2012, vol. 6, no. 2, pp. 89., WOS
- [1.1] MURPHY, Jonathan G. - SANDERSON, Jennifer L. - GORSKI, Jessica A. - SCOTT, John D. - CATTERALL, William A. - SATHER, William A. - DELL&APOS;ACQUA, Mark L. AKAP-Anchored PKA Maintains Neuronal L-type Calcium Channel Activity and NFAT Transcriptional Signaling. In CELL REPORTS. ISSN 2211-1247, 2014, vol. 7, no. 5, pp. 1577., WOS
- [1.1] MURPHY, Tytus - DIAS, Gisele Pereira - THURET, Sandrine. Effects of Diet on Brain Plasticity in Animal and Human Studies: Mind the Gap. In NEURAL PLASTICITY. ISSN 2090-5904, 2014, vol., no., pp., WOS
- [1.1] NISHIOKA, Masaki - SHIMADA, Takafumi - BUNDO, Miki - UKAI, Wataru - HASHIMOTO, Eri - SAITO, Toshikazu - KANO, Yukiko - SASAKI, Tsukasa - KASAI, Kiyoto - KATO, Tadafumi - IWAMOTO, Kazuya. Neuronal cell-type specific DNA methylation patterns of the Cacna1c gene. In INTERNATIONAL JOURNAL OF DEVELOPMENTAL NEUROSCIENCE. ISSN 0736-5748, 2013, vol. 31, no. 2, pp. 89., WOS
- [1.1] PADAMSEY, Zahid - EMPTAGE, Nigel. Two sides to long-term potentiation: a view towards reconciliation. In PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES. ISSN 0962-8436, 2014, vol. 369, no. 1633, pp., WOS
- [1.1] PAULUS, Frieder M. - BEDENBENDER, Johannes - KRACH, Soeren

- PYKA, Martin - KRUG, Axel - SOMMER, Jens - METTE, Miriam - NOETHEN, Markus M. - WITT, Stephanie H. - RIETSCHER, Marcella - KIRCHER, Tilo - JANSEN, Andreas. Association of rs1006737 in CACNA1C With Alterations in Prefrontal Activation and Fronto-Hippocampal Connectivity. In HUMAN BRAIN MAPPING. ISSN 1065-9471, 2014, vol. 35, no. 4, pp. 1190., WOS

[1.1] PERRIER, E. - POMPEI, F. - RUBERTO, G. - VASSOS, E. - COLLIER, D. - FRANGO, S. Initial evidence for the role of CACNA1C on subcortical brain morphology in patients with bipolar disorder. In EUROPEAN PSYCHIATRY. ISSN 0924-9338, APR 2011, vol. 26, no. 3, p. 135-137., WOS

[1.1] POTKIN, Steven G. - MACCIARDI, Fabio - VAN ERP, Theo G. M. Imaging Genetics Approaches to Identify Mechanisms in Severe Mental Illness. In BIOLOGICAL PSYCHIATRY. ISSN 0006-3223, 2014, vol. 76, no. 6, pp. 436., WOS

[1.1] RADZICKI, Daniel - YAU, Hau-Jie - POLLEMA-MAYS, Sarah L. - MLSNA, Lauren - CHO, Kangho - KOH, Sookyoung - MARTINA, Marco. Temperature-Sensitive Cav1.2 Calcium Channels Support Intrinsic Firing of Pyramidal Neurons and Provide a Target for the Treatment of Febrile Seizures. In JOURNAL OF NEUROSCIENCE. ISSN 0270-6474, 2013, vol. 33, no. 24, pp. 9920., WOS

[1.1] RIPKE, Stephan - O&APOS;DUSHLAINE, Colm - CHAMBERT, Kimberly - MORAN, Jennifer L. - KAEHLER, Anna K. - AKTERIN, Susanne - BERGEN, Sarah E. - COLLINS, Ann L. - CROWLEY, James J. - FROMER, Menachem - KIM, Yunjung - LEE, Sang Hong - MAGNUSSON, Patrik K. E. - SANCHEZ, Nick - STAHL, Eli A. - WILLIAMS, Stephanie - WRAY, Naomi R. - XIA, Kai - BETTELLA, Francesco - BORGLUM, Anders D. - BULIK-SULLIVAN, Brendan K. - CORMICAN, Paul - CRADDOCK, Nick - DE LEEUW, Christiaan - DURMISHI, Naser - GILL, Michael - GOLIMBET, Vera - HAMSHIRE, Marian L. - HOLMANS, Peter - HOUGAARD, David M. - KENDLER, Kenneth S. - LIN, Kuang - MORRIS, Derek W. - MORS, Ole - MORTENSEN, Preben B. - NEALE, Benjamin M. - O&APOS;NEILL, Francis A. - OWEN, Michael J. - MILOVANCEVIC, Milica Pejovic - POSTHUMA, Danielle - POWELL, John - RICHARDS, Alexander L. - RILEY, Brien P. - RUDERFER, Douglas - RUJESCU, Dan - SIGURDSSON, Engilbert - SILAGADZE, Teimuraz - SMIT, August B. - STEFANSSON, Hreinn - STEINBERG, Stacy - SUVISAARI, Jaana. Genome-wide association analysis identifies 13 new risk loci for schizophrenia. In NATURE GENETICS. ISSN 1061-4036, 2013, vol. 45, no. 10, pp. 1150., WOS

[1.1] SANDERSON, J.L. - DELL'ACQUA, M.L. AKAP Signaling Complexes in Regulation of Excitatory Synaptic Plasticity. In NEUROSCIENTIST. ISSN 1073-8584, JUN 2011, vol. 17, no. 3, p. 321-336., WOS

[1.1] SHI, Liheng - KO, Michael L. - ABBOTT, Louise C. - KO, Gladys Y.P. Identification of Peptide Lv, a Novel Putative Neuropeptide That Regulates the Expression of L-Type Voltage-Gated Calcium Channels in Photoreceptors. In PLOS ONE. ISSN 1932-6203, 2012, vol. 7, no. 8, pp., WOS

[1.1] SMOLIN, Bella - KARRY, Rachel - GAL-BEN-ARI, Shunit - BEN-SHACHAR, Dorit. Differential expression of genes encoding neuronal ion-channel subunits in major depression, bipolar disorder and schizophrenia: implications for pathophysiology. In INTERNATIONAL JOURNAL OF

NEUROPSYCHOPHARMACOLOGY. ISSN 1461-1457, 2012, vol. 15, no. 7, pp. 869., WOS

[1.1] STOCKNER, Thomas - KOSCHAK, Alexandra. What can naturally occurring mutations tell us about Ca(v)1.x channel function? In BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES. ISSN 0005-2736, 2013, vol. 1828, no. 7, pp. 1598., WOS

[1.1] THIMM, M. - KIRCHER, T. - KELLERMANN, T. - MARKOV, V. - KRACH, S. - JANSEN, A. - ZERRES, K. - EGGERMANN, T. - STOCKER, T. - SHAH, N.J. - NOTHEN, M.M. - RIETSCHER, M. - WITT, S.H. - MATHIAK, K. - KRUG, A. Effects of a CACNA1C genotype on attention networks in healthy individuals. In PSYCHOLOGICAL MEDICINE. ISSN 0033-2917, JUL 2011, vol. 41, no. 7, p. 1551-1561., WOS

[1.1] WANG, Szu-Han - FINNIE, Peter S. B. - HARDT, Oliver - NADER, Karim. Dorsal hippocampus is necessary for novel learning but sufficient for subsequent similar learning. In HIPPOCAMPUS. ISSN 1050-9631, 2012, vol. 22, no. 11, pp. 2157., WOS

[1.1] WOON, Puay San - SUM, Min Yi - KUSWANTO, Carissa Nadia - YANG, Guo Liang - SITO, Yih Yian - SOONG, Tuck Wah - LEE, Tih Shih - NOWINSKI, Wieslaw Lucjan - SIM, Kang. CACNA1C Genomewide Supported Psychosis Genetic Variation Affects Cortical Brain White Matter Integrity in Chinese Patients With Schizophrenia. In JOURNAL OF CLINICAL PSYCHIATRY. ISSN 0160-6689, 2014, vol. 75, no. 11, pp. E1284., WOS

[1.1] YAGAMI, T. - KOHMA, H. - YAMAMOTO, Y. L-Type Voltage-Dependent Calcium Channels As Therapeutic Targets for Neurodegenerative Diseases. In CURRENT MEDICINAL CHEMISTRY. ISSN 0929-8673, 2012, vol. 19, no. 28, pp. 4816., WOS

[1.1] YASHIN, Anatoliy I. - WU, Deqing - ARBEEV, Konstantin G. - UKRAINTSEVA, Svetlana V. Polygenic Effects of Common Single-Nucleotide Polymorphisms on Life Span: When Association Meets Causality. In REJUVENATION RESEARCH. ISSN 1549-1684, 2012, vol. 15, no. 4, pp. 381., WOS

[1.1] ZUCCOTTI, A. - CLEMENTI, S. - REINBOTHE, T. - TORRENTE, A. - VANDAELE, D.H. - PIRONE, A. Structural and functional differences between L-type calcium channels: crucial issues for future selective targeting. In TRENDS IN PHARMACOLOGICAL SCIENCES. ISSN 0165-6147, JUN 2011, vol. 32, no. 6, p. 366-375., WOS

[1.2] BELARDETTI, Francesco - ZAMPONI, Gerald W. Calcium channels as therapeutic targets. In Wiley Interdisciplinary Reviews: Membrane Transport and Signaling. ISSN 2190-460X, 2012-07-01, 1, 4, pp. 433-451., SCOPUS

[1.2] GREEN, Adam E. - DUNBAR, Kevin N. Mental Function as Genetic Expression: Emerging Insights From Cognitive Neurogenetics. In The Oxford Handbook of Thinking and Reasoning, 2012-11-21, pp., SCOPUS

[1.2] HUANG, Hua - WANG, Juejin - SOONG, Tuck Wah. Splicing and editing to customize Ca_v1 channel structures for optimal neural function. In Modulation of Presynaptic Calcium Channels, 2012-12-01, pp. 289-318., SCOPUS

[1.2] OBERMAIR, Gerald J. - FLUCHER, Bernhard E. Neuronal functions of auxiliary calcium channel subunits. In Modulation of Presynaptic Calcium Channels, 2013-12-01, 9789400763340, pp. 29-59., SCOPUS

[1.2] SIMMS, Brett A. - ZAMPONI, Gerald W. Neuronal voltage-gated

calcium channels: Structure, function, and dysfunction. In *Neuron*. ISSN 08966273, 2014-04-02, 82, 1, pp. 24-45., SCOPUS

[1.2] STRIESSNIG, Jörg - PINGGERA, Alexandra - KAUR, Gurjot - BOCK, Gabriella - TULUC, Petronel. L-type Ca²⁺ channels in heart and brain. In *Wiley Interdisciplinary Reviews: Membrane Transport and Signaling*. ISSN 2190460X, 2014-03-01, 3, 2, pp. 15-38., SCOPUS

[1.2] TIETZ, Elizabeth I. - EARL, Damien E. Alternate calcium-mediated signaling pathways initiate and limit glutamatergic plasticity underlying benzodiazepine-withdrawal anxiety. In *Synaptic Plasticity: Cell Biology, Regulation and Role in Disease*, 2012-12-01, pp. 43-73., SCOPUS

ADCA149 MORRAL, N. - BERTRANPETIT, J. - ESTIVILL, X. - NUNES, V. - CASALS, T. - GIMENEZ, J. - REIS, A. - VARONMATEEVA, R. - MACEK, M. - KALAYDJIEVA, L. - ANGELICHEVA, D. - DANCHEVA, R. - ROMEO, G. - RUSSO, M.P. - GARNERONE, S. - RESTAGNO, G. - FERRARI, M. - MAGNANI, C. - CLAUSTRES, M. - GESGEORGES, M. - SCHWARTZ, M. - SCHWARZ, M. - DALLAPICCOLA, B. - NOVELLI, G. - FEREC, C. - DEARCE, M. - NEMETI, M. - KERE, T. - ANVRET, M. - DAHL, N. - KÁDAŠI, Ľudevít. The origin of the major cystic-fibrosis mutation (delta-F508) in european populations. In *Nature Genetics*, 1994, vol. 7, no. 2, p. 169-175. ISSN 1061-4036.

Ohlasy:

[1.1] BEECH, C.M. - LIYANARACHCHI, S. - SHAH, N.P. - STURM, A.C. - SADIQ, M.F. - DE LA CHAPELLE, A. - TANNER, S.M. Ancient founder mutation is responsible for Imerslund-Grasbeck Syndrome among diverse ethnicities. In *ORPHANET JOURNAL OF RARE DISEASES*. ISSN 1750-1172, NOV 13 2011, vol. 6., WOS

[1.1] BUNYAN, David J. - BAKER, Kevin R. - HARVEY, John F. - THOMAS, N. Simon. Diagnostic Screening Identifies a Wide Range of Mutations Involving the SHOX Gene, Including a Common 47.5 kb Deletion 160 kb Downstream With a Variable Phenotypic Effect. In *AMERICAN JOURNAL OF MEDICAL GENETICS PART A*. ISSN 1552-4825, 2013, vol. 161A, no. 6, pp. 1329., WOS

[1.1] DARWISH, A.A. - MCKIERNAN, P. - CHARDOT, C. Paediatric liver transplantation for metabolic disorders. Part 2: Metabolic disorders with liver lesions. In *CLINICS AND RESEARCH IN HEPATOLOGY AND GASTROENTEROLOGY*. ISSN 2210-7401, APR 2011, vol. 35, no. 4, p. 271-280., WOS

[1.1] DHARAJIYA, N. - CHISHOLM, K. M. - DIETZ, L. - RICHARDS, C. Sue - KHARRAZI, M. - SCHRIJVER, I. Identification of the CFTR p.Phe508Del founder mutation in the absence of a polythymidine 9T allele in a Hispanic patient. In *CLINICAL GENETICS*. ISSN 0009-9163, 2013, vol. 83, no. 6, pp. 598., WOS

[1.1] FERGUSON, William - DVORA, Shira - FIKES, Ronald W. - STONE, Anne C. - BOISSINOT, Stephane. Long-Term Balancing Selection at the Antiviral Gene OAS1 in Central African Chimpanzees. In *MOLECULAR BIOLOGY AND EVOLUTION*. ISSN 0737-4038, 2012, vol. 29, no. 4, pp. 1093., WOS

[1.1] FIGUEIRO, G. - HIDALGO, P.C. - SANS, M. Control Region Variability of Haplogroup C1d and the Tempo of the Peopling of the Americas. In *PLOS ONE*. ISSN 1932-6203, JUN 13 2011, vol. 6, no. 6., WOS

- [1.1] GANDOLFO, Luke C. - BAHLO, Melanie - SPEED, Terence P. Dating Rare Mutations from Small Samples with Dense Marker Data. In GENETICS. ISSN 0016-6731, 2014, vol. 197, no. 4, pp. 1315., WOS
- [1.1] GARCIA-MENDIOLA, Tania - BARREIRO MARTINEZ, Tegra - PARIENTE, Felix - MOLANO, Jesus - LORENZO, Encarnacion. Screening of Specific Gene Mutations Associated with Cystic Fibrosis. In ELECTROANALYSIS. ISSN 1040-0397, 2014, vol. 26, no. 6, pp. 1362., WOS
- [1.1] GONTIJO, Carolina Carvalho - GUERRA AMORIM, Carlos Eduardo - OLIVEIRA GODINHO, Neide Maria - PARMEZAN TOLEDO, Rafaela Cesare - NUNES, Adriana - SILVA, Wellington - DA FONSECA MOURA, Maria Manuela - COUTINHO DE OLIVEIRA, Jose Carlos - PAGOTTO, Rubiani C. - KLAUTAU-GUIMARAES, Maria De Nazare - DE OLIVEIRA, Silviene Fabiana. Brazilian Quilombos: A Repository of Amerindian Alleles. In AMERICAN JOURNAL OF HUMAN BIOLOGY. ISSN 1042-0533, 2014, vol. 26, no. 2, pp. 142., WOS
- [1.1] GONZALES, L. - COLLAZO, T. - CLARK, Y. - GOMEZ, M. - REYS, L. Characterization of the IVS17bTA microsatellite marker and six CTFR gene mutations in 21Cuban families with cystic fibrosis. IN BIOTECNOLOGIA APLICADA. ISSN 1027-2852, 2013, vol. 30, no. 4, p. 257-266, WOS
- [1.1] CHUN, S. - FAY, J.C. Evidence for Hitchhiking of Deleterious Mutations within the Human Genome. In PLOS GENETICS. ISSN 1553-7390, AUG 2011, vol. 7, no. 8., WOS
- [1.1] JAVIER MARTINEZ-GONZALEZ, Luis - MARTINEZ-ESPIN, Esther - CARLOS ALVAREZ, Juan - ALBARDANER, Francesc - RICKARDS, Olga - MARTINEZ-LABARGA, Cristina - CALAFELL, Francesc - ANTONIO LORENTE, Jose. Surname and Y chromosome in Southern Europe: a case study with Colom/Colombo. In EUROPEAN JOURNAL OF HUMAN GENETICS. ISSN 1018-4813, 2012, vol. 20, no. 2, pp. 211., WOS
- [1.1] LAZRAK, Ahmed - FU, Lianwu - BALI, Vedrana - BARTOSZEWSKI, Rafal - RAB, Andras - HAVASI, Viktoria - KEILES, Steve - KAPPES, John - KUMAR, Ranjit - LEFKOWITZ, Elliot - SORSCHER, Eric J. - MATALON, Sadis - COLLAWN, James F. - BEBOK, Zsuzsanna. The silent codon change I507-ATC> ATT contributes to the severity of the Delta F508 CFTR channel dysfunction. In FASEB JOURNAL. ISSN 0892-6638, 2013, vol. 27, no. 11, pp. 4630., WOS
- [1.1] RUIZ-GARCIA, Manuel - ESCOBAR-ARMEL, Pablo - LEGUIZAMON, Norberto - MANZUR, Paola - PINEDO-CASTRO, Myreya - SHOSTELL, Joseph M. Genetic characterization and structure of the endemic Colombian silvery brown bare-face tamarin, *Saguinus leucopus* (Callitrichinae, Cebidae, Primates). In PRIMATES. ISSN 0032-8332, 2014, vol. 55, no. 3, pp. 415., WOS
- [1.1] RUIZ-GARCIA, Manuel - PINEDO-CASTRO, Myreya - SHOSTELL, Joseph Mark. How many genera and species of woolly monkeys (Atelidae, Platyrrhine, Primates) are there? The first molecular analysis of *Lagothrix flavicauda*, an endemic Peruvian primate species. In MOLECULAR PHYLOGENETICS AND EVOLUTION. ISSN 1055-7903, 2014, vol. 79, no., pp. 179., WOS
- [1.1] RUIZ-GARCIA, Manuel - IGNACIA CASTILLO, Maria - LICHILIN-ORTIZ, Nicolas - PINEDO-CASTRO, Myreya. Molecular Relationships and Classification of Several Tufted Capuchin Lineages (*Cebus*

- apella, *Cebus xanthosternos* and *Cebus nigrinus*, Cebidae), by Means of Mitochondrial Cytochrome Oxidase II Gene Sequences. In *FOLIA PRIMATOLOGICA*. ISSN 0015-5713, 2012, vol. 83, no. 2, pp. 100., WOS
- [1.1] RUIZ-GARCIA, Manuel - IGNACIA CASTILLO, Maria - LEDEZMA, Andrea - LEGUIZAMON, Norberto - SANCHEZ, Ronald - CHINCHILLA, Misael - GUTIERREZ-ESPELETA, Gustavo A. Molecular systematics and phylogeography of *Cebus capucinus* (Cebidae, Primates) in Colombia and Costa Rica by means of the mitochondrial COII gene. In *AMERICAN JOURNAL OF PRIMATOLOGY*. ISSN 0275-2565, 2012, vol. 74, no. 4, pp. 366., WOS
- [1.1] RUIZ-GARCIA, M. - VASQUEZ, C. - CAMARGO, E. - LEGUIZAMON, N. - GALVEZ, H. - VALLEJO, A. - PINEDO, M. - CASTELLANOS-MORA, L. - SHOSTELL, J. - ALVAREZ, D. Molecular Phylogenetics of *Aotus* (Platyrrhini, Cebidae). In *INTERNATIONAL JOURNAL OF PRIMATOLOGY*. ISSN 0164-0291, OCT 2011, vol. 32, no. 5, p. 1218-1241., WOS
- [1.1] SACKS, Benjamin N. - BROWN, Sarah K. - STEPHENS, Danielle - PEDERSEN, Niels C. - WU, Jui-Te - BERRY, Oliver. Y Chromosome Analysis of Dingoes and Southeast Asian Village Dogs Suggests a Neolithic Continental Expansion from Southeast Asia Followed by Multiple Austronesian Dispersals. In *MOLECULAR BIOLOGY AND EVOLUTION*. ISSN 0737-4038, 2013, vol. 30, no. 5, pp. 1103., WOS
- [1.1] SALIHOVIC, M.P. - BAREŠIĆ, A. - KLARIĆ, I.M. - CUKROV, S. - LAUC, L.B. - JANICIJEVIĆ, B. The Role of the Vlax Roma in Shaping the European Romani Maternal Genetic History. In *AMERICAN JOURNAL OF PHYSICAL ANTHROPOLOGY*. ISSN 0002-9483, OCT 2011, vol. 146, no. 2, p. 262-270., WOS
- [1.1] SANDELL, S. - SCHUIT, R. J. L. - BUNYAN, D. J. An intronic polymorphic deletion in the PTEN gene: implications for molecular diagnostic testing. In *BRITISH JOURNAL OF CANCER*. ISSN 0007-0920, 2013, vol. 108, no. 2, pp. 438., WOS
- [1.1] TEJEDOR, M.T. - CENARRO, A. - TEJEDOR, D. - STEF, M. - PALACIOS, L. - DE CASTRO, I. - GARCIA-OTIN, A.L. - MONTEAGUDO, L.V. - CIVEIRA, F. - POCOVÍ, M. New contributions to the study of common double mutants in the human LDL receptor gene. In *NATURWISSENSCHAFTEN*. ISSN 0028-1042, NOV 2011, vol. 98, no. 11, p. 943-949., WOS
- [1.1] VENERANDO, A. - PAGANO, M.A. - TOSONI, K. - MEGGIO, F. - CASSIDY, D. - STOBART, M. - PINNA, L.A. - MEHTA, A. Understanding protein kinase CK2 mis-regulation upon F508del CFTR expression. In *NAUNYN-SCHMIEDEBERG'S ARCHIVES OF PHARMACOLOGY*. ISSN 0028-1298, OCT 2011, vol. 384, no. 4-5, p. 473-488., WOS
- [1.1] VORONINA, O. L. - CHERNUKHA, M. Yu. - SHAGINYAN, I. A. - KUNDA, M. S. - AVETISYAN, L. R. - ORLOVA, A. A. - LUNIN, V. G. - AVAKYAN, L. V. - KAPRANOV, N. I. - AMELINA, E. L. - CHUCHALIN, A. G. - GINTSBURG, A. L. Characterization of genotypes for *Burkholderia cepacia* complex strains isolated from patients in hospitals of the Russian federation. In *MOLECULAR GENETICS MICROBIOLOGY AND VIROLOGY*. ISSN 0891-4168, 2013, vol. 28, no. 2, pp. 64., WOS

ADCA150 MYSLIVEČEK, Jaromír - NOVÁKOVÁ, Mária - PALKOVITS, M. - KRIŽANOVÁ, Oľga - KVETŇANSKÝ, Richard. Distribution of mRNA and binding sites of adrenoceptors and muscarinic receptors in the rat heart. In *Life Sciences*, 2006, vol. 79, no. 2, p. 112-120. (2.512 - IF2005). (2006 - Current Contents). ISSN 0024-3205.

Ohlasy:

[1.1] MATSUBARA, Ai - MIYASHITA, Takenori - INAMOTO, Ryuhei - MORI, Nozomu. Presence of Adrenergic Receptors in Rat Endolymphatic Sac Epithelial Cells. In *JOURNAL OF MEMBRANE BIOLOGY*. ISSN 0022-2631, 2013, vol. 246, no. 2, pp. 109., WOS

[1.1] Ruthschilling, C.A., Albiero, G., Lazzari, V.M., Becker, R.O., de Moura, A.C., Lucion, A.B., Almeida, S., Veiga, A.B.G.D., Giovenardi, M. Analysis of transcriptional levels of the oxytocin receptor in different areas of the central nervous system and behaviors in high and low licking rats. *Behavioural Brain Research*, 228(1): 176-184, 2012, WOS

[1.1] SHAHBAZ, Atta U. - ZHAO, Tieqiang - ZHAO, Wenyuan - JOHNSON, Patti L. - AHOKAS, Robert A. - BHATTACHARYA, Syamal K. - SUN, Yao - GERLING, Ivan C. - WEBER, Karl T. Calcium and zinc dyshomeostasis during isoproterenol-induced acute stressor state. In *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*, 2011, vol.300, no.2, h636., WOS

[1.1] Spasojevic, N.; Gavrilovic, L.; Dronjak, S. Regulation of atrial catecholamine enzymes and adrenoceptor gene expression after chronic stress. *ACTA PHYSIOLOGICA HUNGARICA* Volume: 98 Issue: 4 Pages: 433-441 2011, WOS

[1.1] Stöckigt, F., Brixius, K., Lickfett, L., Andrié, R., Linhart, M., Nickenig, G., Schrickel, J.W. Total Beta-Adrenoceptor Knockout Slows Conduction and Reduces Inducible Arrhythmias in the Mouse Heart. *Plos One*, 7(11): art. no. e49203, 2012, WOS

[1.1] Subedi, K.P., Singh, T.D., Kim, J.Ch. et al. Cloning and expression of a new inositol 1,4,5-trisphosphate receptor type 1 splice variant in adult rat atrial myocytes. *Cellular & Molecular Biology Letters*, 17(1): 124-135, 2012, WOS

[1.2] Heffer, M., Zibar, L., Viljetic, B., Makarovic, Z. The role of stress in heart failure - ground for sex specific pathophysiology. *Biopolymers and Cell* 27 (2) , pp. 93-106 2011, SCOPUS

ADCA151 NAHÁLKA, Jozef - MISLOVIČOVÁ, Danica - KAVCOVÁ, Helena.

Targeting lectin activity into inclusion bodies for the characterisation of glycoproteins. In *Molecular BioSystems*, 2009, vol. 5, iss. 8, p. 819-821. (4.236 - IF2008). ISSN 1742-206X.

Ohlasy:

[1.1] CANO-GARRIDO, Olivia - RODRIGUEZ-CARMONA, Escarlata - DIEZ-GIL, Cesar - VAZQUEZ, Esther - ELIZONDO, Elisa - CUBARSI, Rafael - SERAS-FRANZOSO, Joaquin - LUIS CORCHERO, Jose - RINAS, Ursula - RATERA, Imma - VENTOSA, Nora - VECIANA, Jaume - VILLAVERDE, Antonio - GARCIA-FRUITOS, Elena. Supramolecular organization of protein-releasing functional amyloids solved in bacterial inclusion bodies. In *ACTA BIOMATERIALIA*. ISSN 1742-7061, 2013, vol. 9, no. 4, pp. 6134-6142, WOS

[1.1] HUANG, Ziliang - ZHANG, Chong - CHEN, Shuo - YE, Fengchun -

XING, Xin-Hui. Active inclusion bodies of acid phosphatase PhoC: aggregation induced by GFP fusion and activities modulated by linker flexibility. In MICROBIAL CELL FACTORIES. ISSN 1475-2859, 2013, vol. 12, no., pp., WOS

[1.1] LIN, Zhanglin - ZHOU, Bihong - WU, Wei - XING, Lei - ZHAO, Qing. Self-assembling amphipathic alpha-helical peptides induce the formation of active protein aggregates in vivo. In FARADAY DISCUSSIONS. ISSN 1359-6640, 2013, vol. 166, no., pp. 243-256, WOS

[1.1] LI, Cuncun - ZHANG, Guangya. The fusions of elastin-like polypeptides and xylanase self-assembled into insoluble active xylanase particles. In JOURNAL OF BIOTECHNOLOGY. ISSN 0168-1656, 2014, vol. 177, no., pp. 60., WOS

[1.1] NIDETZKY, Bernd - DOGLIA, SM - LOTTI, M. FUSION TO A PULL-DOWN MODULE: DESIGNING ENZYMES TO FORM BIOCATALYTICALLY ACTIVE INSOLUBLE AGGREGATES. In PROTEIN AGGREGATION IN BACTERIA: FUNCTIONAL AND STRUCTURAL PROPERTIES OF INCLUSION BODIES IN BACTERIAL CELLS, 2014, vol., no., pp. 246., WOS

[1.1] PETERNEL, Spela - KOMEL, Radovan. Active Protein Aggregates Produced in Escherichia coli. In INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, 2011, vol.12, no.11, 8275., WOS

[1.1] PETERNEL, Spela. Bacterial cell disruption: a crucial step in protein production. In NEW BIOTECHNOLOGY. ISSN 1871-6784, 2013, vol. 30, no. 2, pp. 250-254, WOS

[1.1] RAGHUNATHAN, Govindan - MUNUSSAMI, Ganapathiraman - MOON, Hyojin - PAIK, Hyun-jong - AN, Seong Soo A. - KIM, Yong-Sung - KANG, Sebyung - LEE, Sun-Gu. A variant of green fluorescent protein exclusively deposited to active intracellular inclusion bodies. In MICROBIAL CELL FACTORIES. ISSN 1475-2859, 2014, vol. 13, no., pp., WOS

[1.1] RATERA, Imma - PETERNEL, Spela - SERAS-FRANZOSO, Joaquin - CANO-GARRIDO, Olivia - GARCIA-FRUITOS, Elena - CUBARSI, Rafael - VAZQUEZ, Esther - LUIS CORCHERO, Jose - RODRIGUEZ-CARMONA, Escarlata - VECIANA, Jaume - VILLAYERDE, Antonio - DOGLIA, SM - LOTTI, M. BIOMEDICAL APPLICATIONS OF BACTERIAL INCLUSION BODIES. In PROTEIN AGGREGATION IN BACTERIA: FUNCTIONAL AND STRUCTURAL PROPERTIES OF INCLUSION BODIES IN BACTERIAL CELLS, 2014, vol., no., pp. 203., WOS

[1.1] WU, Wei - XING, Lei - ZHOU, Bihong - LIN, Zhanglin. Active protein aggregates induced by terminally attached self-assembling peptide ELK16 in Escherichia coli. In MICROBIAL CELL FACTORIES, 2011, vol.10, Article Number: 25, WOS

[1.2] Ferrer-Miralles, N., Martínez-Alonso, M., Villaverde, A., & García-Fruitós, E. Inclusion bodies: A new concept of biocatalysts. In: Protein Aggregation (ed. D.A. Stein). ISBN 978-161761815-4, 2012, Chapter 8, pp. 193-198., SCOPUS

ADCA152 NEGISHI, M. - SHIMOMURA, K. - PROKS, Peter - MORI, M. - SHIMOMURA, Y. Mechanism of disopyramide-induced hypoglycaemia in a patient with Type 2 diabetes. In *Diabetic Medicine*, 2009, vol. 26, iss. 1, p. 76-78. (3.172 - IF2008). (2009 - Current Contents). ISSN 0742-3071.

Ohlasy:

- [1.1] ABE, M. - MARUYAMA, T. - FUJII, Y. - KITAI, M. - OKADA, K. - MATSUMOTO, K. - SOMA, M. Disopyramide-induced hypoglycemia in a non-diabetic hemodialysis patient: a case report and review of the literature. In CLINICAL NEPHROLOGY, 2011, vol.76, no.5, 401., WOS
- [1.1] BEN SALEM, Chaker - FATHALLAH, Neila - HMOUDA, Houssem - BOURAOUI, Kamel. Drug-Induced Hypoglycaemia An Update. In DRUG SAFETY, 2011, vol.34, no.1, 21., WOS
- [1.1] FINZI, A. Positive inotropic drugs and drugs used in dysrhythmias. In SIDE EFFECTS OF DRUGS ANNUAL 33: A WORLDWIDE YEARLY SURVEY OF NEW DATA IN ADVERSE DRUG REACTIONS. ISSN 0378-6080, 2011, vol. 33, no., pp. 377., WOS
- [1.1] NISHIDA, Atsushi - TAKIZAWA, Taichi - MATSUMOTO, Akio - MIKI, Takashi - SEINO, Susumu - NAKAYA, Haruaki. Inhibition of ATP-Sensitive K⁺ Channels and L-Type Ca²⁺ Channels by Amiodarone Elicits Contradictory Effect on Insulin Secretion in MIN6 Cells. In JOURNAL OF PHARMACOLOGICAL SCIENCES, 2011, vol.116, no.1, 73., WOS
- [1.1] TSAI, Shih-Hung - LIN, Yen-Yue - HSU, Chin-Wang - CHENG, Chien-Sheng - CHU, Der-Ming. Hypoglycemia Revisited in the Acute Care Setting. In YONSEI MEDICAL JOURNAL, 2011, vol.52, no.6, 898., WOS

ADCA153 NÉMETHOVÁ, Martina - BOLČEKOVÁ, Anna - ILENČÍKOVÁ, Denisa - ĐUROVČÍKOVÁ, Darina - HLINKOVÁ, K. - HLAVATÁ, A. - KOVÁCS, László - KÁDAŠI, Ľudevít - ZAŤKOVÁ, Andrea. Thirty-Nine Novel Neurofibromatosis 1 (NF1) Gene Mutations Identified in Slovak Patients. In *Annals of Human Genetics*, 2013, vol. 77, no. 5, p. 364-379. (2.215 - IF2012). (2013 - Current Contents). ISSN 0003-4800. ITMS 26240220058, ITMS 26240220071, VEGA 2/0104/10.

Ohlasy:

- [1.1] BALLA, Bernadett - ARVAI, Kristof - HORVATH, Peter - TOBIAS, Balint - TAKACS, Istvan - NAGY, Zsolt - DANK, Magdolna - FEKETE, Gyorgy - KOSA, Janos P. - LAKATOS, Peter. Fast and Robust Next-Generation Sequencing Technique Using Ion Torrent Personal Genome Machine for the Screening of Neurofibromatosis Type 1 (NF1) Gene. In JOURNAL OF MOLECULAR NEUROSCIENCE. ISSN 0895-8696, 2014, vol. 53, no. 2, pp. 204., WOS
- [1.1] MARUOKA, Ryo - TAKENOUCHI, Toshiki - TORII, Chiharu - SHIMIZU, Atsushi - MISU, Kumiko - HIGASA, Koichiro - MATSUDA, Fumihiko - OTA, Arihito - TANITO, Katsumi - KURAMOUCHI, Akira - ARIMA, Yoshimi - OTSUKA, Fujio - YOSHIDA, Yuichi - MORIYAMA, Keiji - NIIMURA, Michihito - SAYA, Hideyuki - KOSAKI, Kenjiro. The Use of Next-Generation Sequencing in Molecular Diagnosis of Neurofibromatosis Type 1: A Validation Study. In GENETIC TESTING AND MOLECULAR BIOMARKERS. ISSN 1945-0265, 2014, vol. 18, no. 11, pp. 722., WOS
- [1.1] XU, Weihong - YANG, Xiao - HU, Xiaoxia - LI, Shibo. Fifty-four novel mutations in the NF1 gene and integrated analyses of the mutations that modulate splicing. In INTERNATIONAL JOURNAL OF MOLECULAR MEDICINE. ISSN 1107-3756, 2014, vol. 34, no. 1, pp. 53., WOS

ADCA154 NILIUS, B. - OIKE, M. - ZAHRADNÍK, Ivan - DROOGMANS, G. Activation of a Cl⁻ current by hypotonic volume increase in human endothelial cells. In *General*

physiology and biophysics : international journal, 1994, vol. 103, p. 787-805. (0.567 - IF1993). ISSN 0231-5882.

Ohlasy:

[1.1] CATACUZZENO, Luigi - MICHELUCCI, Antonio - SFORNA, Luigi - AIELLO, Francesco - SCIACCALUGA, Miriam - FIORETTI, Bernard - CASTIGLI, Emilia - FRANCIOLINI, Fabio. Identification of Key Signaling Molecules Involved in the Activation of the Swelling-Activated Chloride Current in Human Glioblastoma Cells. In *JOURNAL OF MEMBRANE BIOLOGY*. ISSN 0022-2631, 2014, vol. 247, no. 1, pp. 45., WOS

[1.1] HOFFMANN, E. K. - PEDERSEN, S. F. Cell volume homeostatic mechanisms: effectors and signalling pathways. In *ACTA PHYSIOLOGICA*, 2011, vol.202, no.3, 465., WOS

[1.1] QIU, Zhaozhu - DUBIN, Adrienne E. - MATHUR, Jayanti - TU, Buu - REDDY, Kritika - MIRAGLIA, Loren J. - REINHARDT, Juergen - ORTH, Anthony P. - PATAPOUTIAN, Ardem. SWELL1, a Plasma Membrane Protein, Is an Essential Component of Volume-Regulated Anion Channel. In *CELL*. ISSN 0092-8674, 2014, vol. 157, no. 2, pp. 447., WOS

ADCA155 NOVOTOVÁ, Marta - ZAHRADNÍK, Ivan - BROCHIER, G. - PAVLOVIČOVÁ, Michaela - BIGARD, X. - VENTURA-CLAPIER, R. Joint participation of mitochondria and sarcoplasmic reticulum in the formation of tubular aggregates in gastrocnemius muscle of CK-/- mice. In *European Journal of Cell Biology*, 2002, vol. 81, iss. 2, p. 101-106. ISSN 0171-9335.

Ohlasy:

[1.1] FUNK, Fabian - CEUTERICK-DE GROOTE, Chantal - MARTIN, Jean-Jacques - MEINHARDT, Axel - TARATUTO, Ana L. - DE BLEECKER, Jan - VAN COSTER, Rudy - DE PAEPE, Boel - SCHARA, Ulrike - VORGERD, Matthias - HAEUSLER, Martin - KOPPI, Stefan - MASCHKE, Matthias - DE JONGHE, Peter - VAN MALDERGEM, Lionel - NOEL, Stephane - ZIMMERMANN, Christoph W. - WIRTH, Stefan - ISENMANN, Stefan - STADLER, Rudolf - SCHROEDER, J. Michael - SCHULZ, Joerg B. - WEIS, Joachim - CLAEYS, Kristl G. Morphological spectrum and clinical features of myopathies with tubular aggregates. In *HISTOLOGY AND HISTOPATHOLOGY*. ISSN 0213-3911, 2013, vol. 28, no. 8, pp. 1041., WOS

[1.1] LUO, Yue-Bei - JOHNSON, Russell D. - GRIFFITHS, Lisa - NEEDHAM, Merrilee - FABIAN, Victoria A. - FLETCHER, Sue - WILTON, Steve D. - MASTAGLIA, Frank L. Primary over-expression of A beta PP in muscle does not lead to the development of inclusion body myositis in a new lineage of the MCK-A beta PP transgenic mouse. In *INTERNATIONAL JOURNAL OF EXPERIMENTAL PATHOLOGY*. ISSN 0959-9673, 2013, vol. 94, no. 6, pp. 418., WOS

[1.2] BONCOMPAGNI, S. - PROTASI, F. - FRANZINI-ARMSTRONG, C. Sequential stages in the age-dependent gradual formation and accumulation of tubular aggregates in fast twitch muscle fibers: SERCA and calsequestrin involvement. In *Age*, 2012, 34, 1, pp. 27-41., SCOPUS

ADCA156 NOVOTOVÁ, Marta - UHRÍK, Branislav. Structural characteristics and distribution of satellite cells along crayfish muscle fibres. In *Experientia*, 1992, vol. 48, p. 593-596.

Ohlasy:

[1.2] COOPER, Ann S. - JOHNSTONE, Andrew F M - COOPER, Robin Lewis. Motor nerve terminal morphology with unloading and reloading of muscle in *procambarus clarkii*. In *Journal of Crustacean Biology*. ISSN 02780372, 2013-12-01, 33, 6, pp. 818-827., SCOPUS

ADCA157 NOVOTOVÁ, Marta - PAVLOVIČOVÁ, Michaela - VEKSLER, Vladimir I. - VENTURA - CLAPIER, Renee - ZAHRADNÍK, Ivan. Ultrastructural remodeling of fast skeletal muscle fibers induced by invalidation of creatine kinase. In *American Journal of Physiology-Cell Physiology*, 2006, vol. 291, iss. 6, p. 1279-1285. (2006 - Current Contents).

Ohlasy:

[1.1] WALLIMANN, Theo - TOKARSKA-SCHLATTNER, Malgorzata - SCHLATTNER, Uwe. The creatine kinase system and pleiotropic effects of creatine. In *AMINO ACIDS*, 2011, vol.40, no.5, 1271., WOS

[3] VISHNUDAS, V.K. - GUILLEMETTE, S.S. - LEKKAS, P. - MAUGHAN, D.W. - VIGOREAUX, J.O. Characterization of the Intracellular Distribution of Adenine Nucleotide Translocase (ANT) in *Drosophila* Indirect Flight Muscles. IN *CELLBIO*, 2013, vol. 2, iss. 3, p. 149-152, google scholar

ADCA158 ONDRIAŠ, Karol - LENČEŠOVÁ, Ľubomíra - ŠÍROVÁ, Marta - LABUDOVOVÁ, Martina - PASTOREKOVÁ, Silvia - KOPÁČEK, Juraj - KRIŽANOVÁ, Oľga. Apoptosis induced clustering of IP (3) R1 in nuclei of nondifferentiated PC12 cells. In *Journal of Cellular Physiology*, 2011, vol. 226, no. 12, p. 3147-3155. (3.986 - IF2010). (2011 - Current Contents). ISSN 0021-9541.

Ohlasy:

[1.1] Martelli, AM (Martelli, Alberto M.)1,2; Ognibene, A (Ognibene, Andrea)3; Buontempo, F (Buontempo, Francesca)4; Fini, M (Fini, Milena)4; Bressanin, D (Bressanin, Daniela)1; Goto, K (Goto, Kaoru)5; McCubrey, JA (McCubrey, James A.)6; Cocco, L (Cocco, Lucio)1; Evangelisti, C (Evangelisti, Camilla)1 Nuclear phosphoinositides and their roles in cell biology and disease CRITICAL REVIEWS IN BIOCHEMISTRY AND MOLECULAR BIOLOGY Volume: 46 Issue: 5 Pages: 436-457 DOI: 10.3109/10409238.2011.609530 Published: OCT 2011, WOS

[1.2] Lucki, N.C., Sewer, M.B. Nuclear sphingolipid metabolism Annual

Review of Physiology 74 , pp. 131-151 , 2012, SCOPUS

ADCA159 ONDRIAŠ, Karol - MARX, S.O. - GABURJÁKOVÁ, Marta - MARKS, A. R. FKBP12 modulates gating of the ryanodine receptor calcium release channel. In *CARDIAL SARCOPLASMIC RETICULUM FUNCTION AND REGULATION OF CONTRACTILITY*, 1998, vol. 853, p. 149-156. ISSN 0077-8923.

Ohlasy:

[1.1] LIU, Ying - CHEN, Hanying - JI, Guangju - LI, Baiyan - MOHLER, Peter J. - ZHU, Zhiming - YONG, Weidong - CHEN, Zhuang - XU, Xuehong - XIN, Hongbo - SHOU, Weinian. Transgenic Analysis of the Role of FKBP12.6 in Cardiac Function and Intracellular Calcium Release. In *ASSAY AND DRUG DEVELOPMENT TECHNOLOGIES*. ISSN 1540-658X, 2011, vol. 9, no. 6, pp. 620., WOS

[1.1] MACMILLAN, Debbi. FK506 binding proteins: Cellular regulators of

intracellular Ca²⁺ signalling. In EUROPEAN JOURNAL OF PHARMACOLOGY. ISSN 0014-2999, 2013, vol. 700, no. 1-3, pp. 181., WOS

ADCA160 ONDRIAŠ, Karol - STAŠKO, Andrej - ČAČÁNYIOVÁ, Soňa - SULOVÁ, Zdena - KRIŽANOVÁ, Oľga - KRISTEK, František - MÁLEKOVÁ, Ľubica - KNEZL, Vladimír - BREIER, Albert. H₂S and HS- donor NaHS releases nitric oxide from nitrosothiols, metal nitrosyl complex, brain homogenate and murine L1210 leukaemia cells. In *Pflugers Archiv-European Journal of Physiology*, 2008, vol. 457, no. 2, p. 271-279. (3.842 - IF2007). (2008 - Current Contents). ISSN 0031-6768.

Ohlasy:

[1.1] BEARD, R.S. - BEARDEN, S.E. Vascular complications of cystathionine beta-synthase deficiency: future directions for homocysteine-to-hydrogen sulfide research. In AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY. ISSN 0363-6135, 2011, vol. 300, no. 1, p. H13-H26., WOS

[1.1] BRAGA, P.C. - DAL SASSO, M. - CULICI, M. - FALCHI, M. - SPALLINO, A. - NAPPI, G. Free radical-scavenging activity of sulfurous water investigated by electron paramagnetic resonance (EPR) spectroscopy. In EXPERIMENTAL LUNG RESEARCH. ISSN 0190-2148, 2012, vol. 38, no. 2, p. 67-74., WOS

[1.1] CORTESE-KROTT, M.M. - FERNANDEZ, B.O. - SANTOS, J.L.T. - MERGIA, E. - GRMAN, M. - NAGY, P. - KELM, M. - BUTLER, A. - FEELISCH, M. Nitrosopersulfide (SSNO-) accounts for sustained NO bioactivity of S-nitrosothiols following reaction with sulfide. In REDOX BIOLOGY. ISSN 2213-2317, 2014, vol. 2, no. 1, p. 234-244, WOS

[1.1] FARRUGIA, G. - SZURSZEWSKI, J. H. Carbon Monoxide, Hydrogen Sulfide, and Nitric Oxide as Signaling Molecules in the Gastrointestinal Tract. In GASTROENTEROLOGY. ISSN 0016-5085, 2014, vol. 147, no. 2, p. 303-313., WOS

[1.1] FILIPOVIC, M.R. - MILJKOVIC, J.L. - NAUSER, T. - ROYZEN, M. - KLOS, K. - SHUBINA, T. - KOPPENOL, W.H. - LIPPARD, S.J. - IVANOVIC-BURMAZOVIC, I. Chemical Characterization of the Smallest S-Nitrosothiol, HSNO; Cellular Cross-talk of H₂S and S-Nitrosothiols. In JOURNAL OF THE AMERICAN CHEMICAL SOCIETY. ISSN 0002-7863, 2012, vol. 134, no. 29, p. 12016-12027., WOS

[1.1] FUKUTO, J.M. - CARRINGTON, S.J. - TANTILLO, D.J. - HARRISON, J.G. - IGNARRO, L.J. - FREEMAN, B.A. - CHEN, A. - WINK, D.A. Small Molecule Signaling Agents: The Integrated Chemistry and Biochemistry of Nitrogen Oxides, Oxides of Carbon, Dioxygen, Hydrogen Sulfide, and Their Derived Species. In CHEMICAL RESEARCH IN TOXICOLOGY. ISSN 0893-228X, 2012, vol. 25, no. 4, p. 769-793., WOS

[1.1] GARCIA-MATA, C. - LAMATTINA, L. Gasotransmitters are emerging as new guard cell signaling molecules and regulators of leaf gas exchange. In PLANT SCIENCE. ISSN 0168-9452, 2013, vol. 201, p. 66-73., WOS

[1.1] GIL, V. - PARSONS, S.P. - GALLEGU, D. - HUIZINGA, J.D. - JIMENEZ, M. Effects of hydrogen sulphide on motility patterns in the rat colon. In BRITISH JOURNAL OF PHARMACOLOGY. ISSN 0007-1188, 2013, vol. 169, no. 1, p. 34-50., WOS

- [1.1] HORNYAK, I. - PANKOTAI, E. - KISS, L. - LACZA, Z. Current Developments in the Therapeutic Potential of S-Nitrosoglutathione, an Endogenous NO-Donor Molecule. In CURRENT PHARMACEUTICAL BIOTECHNOLOGY. ISSN 1389-2010, 2011, vol. 12, no. 9, p. 1368-1374., WOS
- [1.1] KIMURA, H. Hydrogen Sulfide and Polysulfides as Biological Mediators. In MOLECULES. ISSN 1420-3049, 2014, vol. 19, no. 10, p. 16146-16157., WOS
- [1.1] LIU, W.Q. - CHAI, C. - LI, X.Y. - YUAN, W.J. - WANG, W.Z. - LU, Y. The Cardiovascular Effects of Central Hydrogen Sulfide Are Related to K(ATP) Channels Activation. In PHYSIOLOGICAL RESEARCH. ISSN 0862-8408, 2011, vol. 60, no. 5, p. 729-738., WOS
- [1.1] LI, L. - WANG, Y.Q. - SHEN, W.B. Roles of hydrogen sulfide and nitric oxide in the alleviation of cadmium-induced oxidative damage in alfalfa seedling roots. In BIOMETALS. ISSN 0966-0844, 2012, vol. 25, no. 3, p. 617-631., WOS
- [1.1] LI, Qian - LANCASTER, Jack R., Jr. Chemical foundations of hydrogen sulfide biology. In NITRIC OXIDE-BIOLOGY AND CHEMISTRY. ISSN 1089-8603; 1089-8611, 2013, vol. 35, p. 21-34., WOS
- [1.1] LO FARO, M. L. - FOX, B. - WHATMORE, J. L. - WINYARD, P. G. - WHITEMAN, M. Hydrogen sulfide and nitric oxide interactions in inflammation. In NITRIC OXIDE-BIOLOGY AND CHEMISTRY. ISSN 1089-8603, 2014, vol. 41, SI, p. 38-47., WOS
- [1.1] MANCARDI, D. - PLA, A.F. - MOCCIA, F. - TANZI, F. - MUNARON, L. Old and New Gasotransmitters in the Cardiovascular System: Focus on the Role of Nitric Oxide and Hydrogen Sulfide in Endothelial Cells and Cardiomyocytes. In CURRENT PHARMACEUTICAL BIOTECHNOLOGY. ISSN 1389-2010, 2011, vol. 12, no. 9, p. 1406-1415., WOS
- [1.1] SCUFFI, D. - ALVAREZ, C. - LASPINA, N. - GOTOR, C. - LAMATTINA, L. - GARCIA-MATA, C. Hydrogen Sulfide Generated by L-Cysteine Desulfhydrase Acts Upstream of Nitric Oxide to Modulate Absciscic Acid-Dependent Stomatal Closure(1[C][W]). In PLANT PHYSIOLOGY. ISSN 0032-0889, 2014, vol. 166, no. 4, p. 2065-2076., WOS
- [1.1] SEN, U. - PUSHPAKUMAR, S. B. - AMIN, M. A. - TYAGI, S. C. Homocysteine in renovascular complications: Hydrogen sulfide is a modulator and plausible anaerobic ATP generator. In NITRIC OXIDE-BIOLOGY AND CHEMISTRY. ISSN 1089-8603, 2014, vol. 41, SI, p. 27-37., WOS
- [1.1] SHI, H. - YE, T. - CHAN, Z. Nitric oxide-activated hydrogen sulfide is essential for cadmium stress response in bermudagrass (Cynodon dactylon (L). Pers.). In PLANT PHYSIOLOGY AND BIOCHEMISTRY. ISSN 0981-9428, 2014, vol. 74, p. 99-107., WOS
- [1.1] SKOVGAARD, N. - GOULIAEV, A. - AALLING, M. - SIMONSEN, U. The Role of Endogenous H₂S in Cardiovascular Physiology. In CURRENT PHARMACEUTICAL BIOTECHNOLOGY. ISSN 1389-2010, 2011, vol. 12, no. 9, p. 1385-1393., WOS
- [1.1] TRAN, C. T. - WILLIARD, P. G. - KIM, E. Nitric Oxide Reactivity of [2Fe-2S] Clusters Leading to H₂S Generation. In JOURNAL OF THE AMERICAN CHEMICAL SOCIETY. ISSN 0002-7863, 2014, vol. 136, no. 34, p. 11874-11877., WOS
- [1.1] WANG, R. Physiological implications of hydrogen sulfide: a whiff

exploration that blossomed. In *PHYSIOLOGICAL REVIEWS*. ISSN 0031-9333, 2012, vol. 92, no. 2, p. 791-896., WOS

[1.1] WANG, Y.Q. - LI, L. - CUI, W.T. - XU, S. - SHEN, W.B. - WANG, R. Hydrogen sulfide enhances alfalfa (*Medicago sativa*) tolerance against salinity during seed germination by nitric oxide pathway. In *PLANT AND SOIL*. ISSN 0032-079X, 2012, vol. 351, no. 1-2, p. 107-119., WOS

[1.1] WHITEMAN, M. - LE TRIONNAIRE, S.L. - CHOPRA, M. - FOX, B. - WHATMORE, J. Emerging role of hydrogen sulfide in health and disease: Critical appraisal of biomarkers and pharmacological tools. In *CLINICAL SCIENCE*, ISSN 0143-5221, 2011, vol. 121, no. 11, p. 459-488, WOS

[1.2] JANDOVA, D. Sulfan jako nový plynný hormon - význam pro obor RFM | [Sulfane as a new gaseous hormone - Importance for the RFM branch]. In *REHABILITACE A FYZIKALNI LEKARSTVI*. ISSN 1211-2658, 2012, vol. 19, no. 3, p. 117-124, SCOPUS

[1.2] KOKOT, F. - HYLAKLEKOT, L. - FICEK, R. Siarkowodór - Czy jest ważnym, oprócz tlenu azotu i tlenu węgla, transmitterem gazowym u człowieka | [Hydrogen sulphide - Is it an important, apart from nitric oxide and carbon oxide, gaseous transmitter in human]. In *NADCISNIENIE TETNICZE*. ISSN 1428-5851, 2012, vol. 16, no. 2, p. 120-124, SCOPUS

ADCA161 OPAVSKÝ, René - HAVIERNIK, P. - JURKOVIČOVÁ, Dana - GARIN, M.T. - COPELAND, N.G. - GILBERT, D.J. - JENKINS, N.A. - BIES, Juraj - GARFIELD, S. - PASTOREKOVÁ, Silvia - OUE, A. - WOLFF, L. Molecular characterization of the mouse *Tem1/endosialin* gene regulated by cell density in vitro and expressed in normal tissues in vivo. In *Journal of Biological Chemistry*, 2001, vol. 276, p. 38795 - 38807. (7.368 - IF2000). (2001 - Current Contents). ISSN 0021-9258.

Ohlasy:

[1.1] Babu, SS (Babu, Sahana Suresh)[1] ; Valdez, Y (Valdez, Yanet)[1] ; Xu, A (Xu, Andrea)[1] ; O'Byrne, AM (O'Byrne, Alice M.)([1] ; Calvo, F (Calvo, Fernando)[2,3] ; Lei, V (Lei, Victor)[1] ; Conway, EM TGF beta-mediated suppression of CD248 in non-cancer cells via canonical Smad-dependent signaling pathways is uncoupled in cancer cells *BMC CANCER* Volume: 14, Article Number: 113, 2014, WOS

[1.1] Conway, Edward M. Thrombomodulin and its role in inflammation *SEMINARS IN IMMUNOPATHOLOGY* Volume: 34 Issue: 1 Pages: 107-125 DOI: 10.1007/s00281-011-0282-8 Published: JAN 2012, WOS

[1.1] Dudley, Andrew C. Tumor Endothelial Cells *COLD SPRING HARBOR PERSPECTIVES IN MEDICINE* Volume: 2 Issue: 3 Article Number: a006536 DOI: 10.1101/cshperspect.a006536 Published: MAR 2012, WOS

[1.1] Grassot, V (Grassot, Vincent)[1] ; Da Silva, A (Da Silva, Anne)[1] ; Saliba, J (Saliba, James)[1] ; Maftah, A (Maftah, Abderrahman)[1] ; Dupuy, F (Dupuy, Fabrice)[1] ; Petit, JM Highlights of glycosylation and adhesion related genes involved in myogenesis *BMC GENOMICS* Volume: 15, Article Number: 621, 2014, WOS

[1.1] Hardie, DL (Hardie, Debbie L.); Baldwin, MJ (Baldwin, Mathew J.); Naylor, A (Naylor, Amy); Haworth, OJ (Haworth, Oliver J.)2,3; Hou, TZ (Hou, Tie Zheng); Lax, S (Lax, Sian); Curnow, SJ (Curnow, S. John); Willcox, N (Willcox, Nick)4; MacFadyen, J (MacFadyen, John)5; Isacke, CM (Isacke, Clare

M.)5; Buckley, CD (Buckley, Christopher D.)1 The stromal cell antigen CD248 (endosialin) is expressed on naive CD8+human T cells and regulates proliferation IMMUNOLOGY Volume: 133 Issue: 3 Pages: 288-295 DOI: 10.1111/j.1365-2567.2011.03437.x Published: JUL 2011, WOS

[1.1] Huang, HP (Huang, Hsiang-Po)1; Hong, CL (Hong, Chia-Lun)2; Kao, CY (Kao, Chung-Yang)2; Lin, SW (Lin, Shu-Wha)2,3,4; Lin, SR (Lin, Shu-Rung)5; Wu, HL (Wu, Hua-Lin)6,7; Shi, GY (Shi, Guey-Yueh)6,7; You, LR (You, Li-Ru)8; Wu, CL (Wu, Chieh-Lin)1; Yu, IS (Yu, I-Shing)2,4 Gene targeting and expression analysis of mouse Tem1/endosialin using a lacZ reporter GENE EXPRESSION PATTERNS Volume: 11 Issue: 5-6 Pages: 316-326 DOI: 10.1016/j.gep.2011.03.001 Published: JUN-JUL 2011, WOS

[1.1] Chacko, AM (Chacko, Ann-Marie)[1,2] ; Li, CS (Li, Chunsheng)[3] ; Nayak, M (Nayak, Madhura)[1] ; Mikitsh, JL (Mikitsh, John L.)[1] ; Hu, J (Hu, Jia)[3] ; Hou, C (Hou, Catherine)[1] ; Grasso, L (Grasso, Luigi)[4] ; Nicolaides, NC (Nicolaides, Nicholas C.)[4] ; Muzykantov, VR (Muzykantov, Vladimir R.)[2] ; Divgi, CR (Divgi, Chaitanya R.)[1] ; Coukos, G Development of I-124 Immuno-PET Targeting Tumor Vascular TEM1/Endosialin JOURNAL OF NUCLEAR MEDICINE Volume: 55 Issue: 3 Pages: 500-507, 2014, WOS

[1.1] Cheng, ZL (Cheng, Zhiliang)[1] ; Al Zaki, A (Al Zaki, Ajlan)[1] ; Hui, JZ (Hui, James Z.)[1] ; Muzykantov, VR (Muzykantov, Vladimir R.)[2,3] ; Tsourkas, A (Tsourkas, Andrew)[1] Multifunctional Nanoparticles: Cost Versus Benefit of Adding Targeting and Imaging Capabilities SCIENCE Volume: 338 Issue: 6109 Pages: 903-910 DOI: 10.1126/science.1226338 Published: NOV 16 2012, WOS

[1.1] Maia, M (Maia, Margarida)1,2,3,4; DeVriese, A (DeVriese, Astrid)1,2; Janssens, T (Janssens, Tom)1,2; Moons, M (Moons, Michael)1,2; Lories, RJ (Lories, Rik J.)5; Tavernier, J (Tavernier, Jan)3,4; Conway, EM (Conway, Edward M.)1,2,6 CD248 facilitates tumor growth via its cytoplasmic domain BMC CANCER Volume: 11 Article Number: 162 DOI: 10.1186/1471-2407-11-162 Published: MAY 8 2011, WOS

[1.1] Pessina, A (Pessina, Augusto)1; Sisto, F (Sisto, Francesca)1; Cocce, V (Cocce, Valentina)1; Cavicchini, L (Cavicchini, Loredana)1; Ciusani, E (Ciusani, Emilio)2; Gribaldo, L (Gribaldo, Laura)3; Bonomi, A (Bonomi, Arianna)1 A mesenchymal stromal cell line resistant to paclitaxel that spontaneously differentiates into osteoblast-like cells CELL BIOLOGY AND TOXICOLOGY Volume: 27 Issue: 3 Pages: 169-180 DOI: 10.1007/s10565-010-9179-x Published: JUN 2011, WOS

[1.1] Teicher, BA (Teicher, Beverly A.)1; Bagley, RG (Bagley, Rebecca G.)1; Rouleau, C (Rouleau, Cecile)1; Kruger, A (Kruger, Ariel)1; Ren, Y (Ren, Yi)1; Kurtzberg, L (Kurtzberg, Leslie)1 Characteristics of human Ewing/PNET sarcoma models ANNALS OF SAUDI MEDICINE Volume: 31 Issue: 2 Pages: 174-182 DOI: 10.4103/0256-4947.78206 Published: MAR-APR 2011, WOS

[1.1] Thomann, S (Thomann, Stefan)[1] ; Longerich, T (Longerich, Thomas)[2] ; Bazhin, AV (Bazhin, Alexandr V.)[1] ; Mier, W (Mier, Walter)[3] ; Schemmer, P (Schemmer, Peter)[1] ; Ryschich, E Selective targeting of liver cancer with the endothelial marker CD146 ONCOTARGET Volume: 5 Issue: 18 Pages: 8614-8624, 2014, WOS

[1.1] Valdez, Y (Valdez, Yanet)[1] ; Maia, M (Maia, Margarida)[2] ;

Conway, EM (Conway, Edward M.)[1] CD248: Reviewing its Role in Health and Disease CURRENT DRUG TARGETS Volume: 13 Issue: 3 Pages: 432-439 Published: MAR 2012, WOS

[1.1] Zhang, ZY (Zhang, Zhi-Yong)1,2,3; Zhang, H (Zhang, Hong)4; Adell, G (Adell, Gunnar)5; Sun, XF (Sun, Xiao-Feng)1 Endosialin expression in relation to clinicopathological and biological variables in rectal cancers with a Swedish clinical trial of preoperative radiotherapy BMC CANCER Volume: 11 Article Number: 89 DOI: 10.1186/1471-2407-11-89 Published: MAR 1 2011, WOS

ADCA162 PACAK, K. - ŠÍROVÁ, Marta - GIUBELLINO, A - LENČEŠOVÁ, Ľubomíra - CSÁDEROVÁ, Lucia - LAUKOVÁ, Marcela - HUDECOVÁ, Soňa - KRIŽANOVÁ, Oľga. NF-κB inhibition significantly upregulates the norepinephrine transporter system, causes apoptosis in pheochromocytoma cell lines and prevents metastasis in an animal model. In *International Journal of Cancer*, 2012, vol. 31, no. 10, p. 2445-2455. (5.444 - IF2011). (2012 - Current Contents). ISSN 0020-7136. VEGA 2/0049/10, APVV 51/0397.

Ohlasy:

[1.1] CAI, Ying-Ying - LIN, Wei-Ping - LI, Ai-Ping - XU, Jian-Yang. Combined Effects of Curcumin and Triptolide on an Ovarian Cancer Cell Line. In *ASIAN PACIFIC JOURNAL OF CANCER PREVENTION*. ISSN 1513-7368, 2013, vol. 14, no. 7, pp. 4267., WOS

[1.1] HEMDAN, Nasr Y. A. - BIRKENMEIER, Gerd - WICHMANN, Gunnar. Key molecules in the differentiation and commitment program of T helper 17 (Th17) cells up-to-date. In *IMMUNOLOGY LETTERS*. ISSN 0165-2478, 2012, vol. 148, no. 2, pp. 97-109., WOS

[1.2] Cuny, T - Barlier, A - Enjalbert, A. Endocrine Disorders. In *In Vivo Models for Drug Discovery*. ISBN 978-352767934-8, 2014, pp. 473-496, SCOPUS

ADCA163 PALFFY, Roland - GARDLIK, Roman - BEHULIAK, Michal - JANI, P. - BALAKOVA, Denisa - KÁDAŠI, Ľudevít - TURŇA, Ján - CELEC, Peter. Salmonella-mediated gene therapy in experimental colitis in mice. In *Experimental Biology and Medicine*, 2011, vol. 236, iss. 2, p. 177-183. (2.954 - IF2010). (2011 - Current Contents). ISSN 1535-3702.

Ohlasy:

[1.1] ENGEL, Matthias A. - KHALIL, Mohammad - NEURATH, Markus F. Highlights in inflammatory bowel disease from bench to bedside. In *CLINICAL CHEMISTRY AND LABORATORY MEDICINE*. ISSN 1434-6621, 2012, vol. 50, no. 7, pp. 1229., WOS

[1.1] CHEN, Qingwen - LEE, Choon-Weng - SIM, Edmund Ui-Hang - NARAYANAN, Kumaran. Induction of Protein Expression Within Escherichia coli Vector for Entry into Mammalian Cells. In *HUMAN GENE THERAPY METHODS*. ISSN 1946-6536, 2014, vol. 25, no. 1, pp. 40., WOS

[1.1] JONES, Charles H. - HAKANSSON, Anders P. - PFEIFER, Blaine A. Biomaterials at the interface of nano- and micro-scale vector-cellular interactions in genetic vaccine design. In *JOURNAL OF MATERIALS CHEMISTRY B*. ISSN 2050-750X, 2014, vol. 2, no. 46, pp. 8053., WOS

[1.1] LAUTENSCHLAEGER, Christian - SCHMIDT, Carsten - FISCHER, Dagmar - STALLMACH, Andreas. Drug delivery strategies in the therapy of

inflammatory bowel disease. In ADVANCED DRUG DELIVERY REVIEWS. ISSN 0169-409X, 2014, vol. 71, no., pp. 58., WOS

[1.1] PATON, Adrienne W. - MORONA, Renato - PATON, James C. Bioengineered microbes in disease therapy. In TRENDS IN MOLECULAR MEDICINE. ISSN 1471-4914, 2012, vol. 18, no. 7, pp. 417., WOS

[1.1] SIGGERS, Richard H. - HACKAM, David J. The role of innate immune-stimulated epithelial apoptosis during gastrointestinal inflammatory diseases. In CELLULAR AND MOLECULAR LIFE SCIENCES, 2011, vol.68, no.22, 3623., WOS

[1.1] ZHU, Hong - LI, Y. Robert. Oxidative stress and redox signaling mechanisms of inflammatory bowel disease: updated experimental and clinical evidence. In EXPERIMENTAL BIOLOGY AND MEDICINE. ISSN 1535-3702, 2012, vol. 237, no. 5, pp. 474., WOS

ADCA164 PÁLFFY, Roland - BEHULIAK, Michal - GARDLIK, Roman - JANI, P. - KÁDAŠI, Ľudevít - TURŇA, Ján - CELEC, Peter. Oral in vivo Bactofection in Dextran Sulfate Sodium Treated Female Wistar Rats. In *Folia Biologica - Krakow*, 2010, vol. 58, no. 3-4, p. 171-176. (0.547 - IF2009). (2010 - Current Contents). ISSN 0015-5497.

Ohlasy:

[1.1] LAUTENSCHLAEGER, Christian - SCHMIDT, Carsten - FISCHER, Dagmar - STALLMACH, Andreas. Drug delivery strategies in the therapy of inflammatory bowel disease. In ADVANCED DRUG DELIVERY REVIEWS. ISSN 0169-409X, 2014, vol. 71, no., pp. 58., WOS

ADCA165 PALFFY, R. - GARDLIK, R. - BEHULIAK, M. - KÁDAŠI, Ľudevít - TURNA, J. - CELEC, P. On the physiology and pathophysiology of antimicrobial peptides. In *MOLECULAR MEDICINE*, 2009, vol. 15, p. 51-59. (3.411 - IF2008). (2009 - Current Contents). ISSN 1076-1551.

Ohlasy:

[1.1] AMER, Eglal I. - MOSSALLAM, Shereen F. - MAHROUS, Hoda. Therapeutic enhancement of newly derived bacteriocins against *Giardia lamblia*. In EXPERIMENTAL PARASITOLOGY. ISSN 0014-4894, 2014, vol. 146, no., pp. 52., WOS

[1.1] ASTAFIEVA, A. A. - ROGOZHIN, Eugene A. - ANDREEV, Yaroslav A. - ODINTSOVA, T. I. - KOZLOV, S. A. - GRISHIN, Eugene V. - EGOROV, Tsezi A. A novel cysteine-rich antifungal peptide ToAMP4 from *Taraxacum officinale* Wigg. flowers. In PLANT PHYSIOLOGY AND BIOCHEMISTRY. ISSN 0981-9428, 2013, vol. 70, no., pp. 93., WOS

[1.1] BODASZEWSKA-LUBAS, Malgorzata - BRZYCHCZY-WLOCH, Monika - GOSIEWSKI, Tomasz - HECZKO, Piotr B. Antibacterial Activity of Selected Standard Strains of Lactic Acid Bacteria Producing Bacteriocins Pilot Study. In POSTEPY HIGIENY I MEDYCYNY DOSWIADCZALNEJ. ISSN 0032-5449, 2012, vol. 66, no., pp. 787., WOS

[1.1] BROEKMAN, Daniela C. - GUDMUNDSSON, Gudmundur H. - MAIER, Valerie H. Differential regulation of cathelicidin in salmon and cod. In FISH & SHELLFISH IMMUNOLOGY. ISSN 1050-4648, 2013, vol. 35, no. 2, pp. 532., WOS

[1.1] COLHERINHAS, Guilherme - FILETI, Eudes. Molecular Dynamics Study of Surfactant-Like Peptide Based Nanostructures. In JOURNAL OF

PHYSICAL CHEMISTRY B. ISSN 1520-6106, 2014, vol. 118, no. 42, pp. 12215., WOS

[1.1] CUPERUS, Tryntsje - COORENS, Maarten - VAN DIJK, Albert - HAAGSMAN, Henk P. Avian host defense peptides. In DEVELOPMENTAL AND COMPARATIVE IMMUNOLOGY. ISSN 0145-305X, 2013, vol. 41, no. 3, pp. 352., WOS

[1.1] DOBSLAFF, K. - KREISIG, T. - BERTHOLD, N. - HOFFMANN, R. - ZUCHNER, T. Novel peptide-protein assay for identification of antimicrobial peptides by fluorescence quenching. In ANALYTICAL AND BIOANALYTICAL CHEMISTRY. ISSN 1618-2642, 2012, vol. 403, no. 9, pp. 2725., WOS

[1.1] GONG, W.B. - WANG, J.F. - CHEN, Z.L. - XIA, B. - LU, G.Y. Solution Structure of LCI, a Novel Antimicrobial Peptide from *Bacillus subtilis*. In BIOCHEMISTRY. ISSN 0006-2960, MAY 10 2011, vol. 50, no. 18, p. 3621-3627., WOS

[1.1] GORCZYCA, G. - TYLINGO, R. NATURAL POLYMERS IN DESIGNING MODERN MEDICAL MATERIALS WITH ANTIMICROBIAL PROPERTIES. Part II. ANTIMICROBIAL ACTIVATION METHODS FOR MEDICAL MATERIALS. In POLIMERY. ISSN 0032-2725, NOV-DEC 2011, vol. 56, no. 11-12, p. 791-800., WOS

[1.1] CHAPWANYA, Aspinas - MEADE, Kieran G. - DOHERTY, Michael L. - CALLANAN, John J. - O'FARRELLY, Cliona. Endometrial epithelial cells are potent producers of tracheal antimicrobial peptide and serum amyloid A3 gene expression in response to *E. coli* stimulation. In VETERINARY IMMUNOLOGY AND IMMUNOPATHOLOGY. ISSN 0165-2427, 2013, vol. 151, no. 1-2, pp. 157., WOS

[1.1] INFANTE, V.V. - MIRANDA-OLVERA, A.D. - DE LEON-RODRIGUEZ, L.M. - ANAYA-VELAZQUEZ, F. - RODRIGUEZ, M.C. - AVILA, E.E. Effect of the Antimicrobial Peptide Tritrpticin on the In Vitro Viability and Growth of *Trichomonas vaginalis*. In CURRENT MICROBIOLOGY. ISSN 0343-8651, JAN 2011, vol. 62, no. 1, p. 301-306., WOS

[1.1] JAEKEL, Clara E. - MESCHENMOSER, Karoline - KIM, Young - WEIHER, Hans - SCHMIDT-WOLF, Ingo G. H. Efficacy of a Proapoptotic Peptide towards Cancer Cells. In IN VIVO. ISSN 0258-851X, 2012, vol. 26, no. 3, pp. 419., WOS

[1.1] JANISZEWSKA, Jolanta. Natural antimicrobial peptides in biomedical applications. In POLIMERY. ISSN 0032-2725, 2014, vol. 59, no. 10, pp. 699., WOS

[1.1] LAZAREV, Vassili N. - SHKARUPETA, Marina M. - POLINA, Nadezhda F. - KOSTRUKOVA, Elena S. - VASSILEVSKI, Alexander A. - KOZLOV, Sergey A. - GRISHIN, Eugene V. - GOVORUN, Vadim M. Antimicrobial peptide from spider venom inhibits *Chlamydia trachomatis* infection at an early stage. In ARCHIVES OF MICROBIOLOGY. ISSN 0302-8933, 2013, vol. 195, no. 3, pp. 173., WOS

[1.1] LEMESHKO, Victor V. Electrical potentiation of the membrane permeabilization by new peptides with anticancer properties. In BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES. ISSN 0005-2736, 2013, vol. 1828, no. 3, pp. 1047., WOS

[1.1] LEMESHKO, V.V. Permeabilization of mitochondria and red blood

- cells by polycationic peptides BTM-P1 and retro-BTM-P1. In PEPTIDES. ISSN 0196-9781, OCT 2011, vol. 32, no. 10, p. 2010-2020., WOS
- [1.1] LORENT, Joseph - LE DUFF, Cecile S. - QUETIN-LECLERCQ, Joelle - MINGEOT-LECLERCQ, Marie-Paule. Induction of Highly Curved Structures in Relation to Membrane Permeabilization and Budding by the Triterpenoid Saponins, alpha- and delta-Hederin. In JOURNAL OF BIOLOGICAL CHEMISTRY. ISSN 0021-9258, 2013, vol. 288, no. 20, pp. 14000., WOS
- [1.1] MORAIS, D. S. - RODRIGUES, M. A. - LOPES, M. A. - COELHO, M. J. - MAURICIO, A. C. - GOMES, R. - AMORIM, I. - FERRAZ, M. P. - SANTOS, J. D. - BOTELHO, C. M. Biological evaluation of alginate-based hydrogels, with antimicrobial features by Ce(III) incorporation, as vehicles for a bone substitute. In JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE. ISSN 0957-4530, 2013, vol. 24, no. 9, pp. 2145., WOS
- [1.1] PADHI, Avinash - SENGUPTA, Mitali - SENGUPTA, Srabasti - ROEHM, Klaus H. - SONAWANE, Avinash. Antimicrobial peptides and proteins in mycobacterial therapy: Current status and future prospects. In TUBERCULOSIS. ISSN 1472-9792, 2014, vol. 94, no. 4, pp. 363., WOS
- [1.1] PARK, J.H. - PARK, G.T. - CHO, I.H. - SIM, S.M. - YANG, J.M. - LEE, D.Y. An antimicrobial protein, lactoferrin exists in the sweat: proteomic analysis of sweat. In EXPERIMENTAL DERMATOLOGY. ISSN 0906-6705, APR 2011, vol. 20, no. 4, p. 369-371., WOS
- [1.1] PIANTAVIGNA, S. - MCCUBBIN, G.A. - BOEHNKE, S. - GRAHAM, B. - SPICCIA, L. - MARTIN, L.L. A mechanistic investigation of cell-penetrating Tat peptides with supported lipid membranes. In BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES. ISSN 0005-2736, JUL 2011, vol. 1808, no. 7, p. 1811-1817., WOS
- [1.1] SALGER, S.A. - READING, B.J. - BALTZEGAR, D.A. - SULLIVAN, C.V. - NOGA, E.J. Molecular characterization of two isoforms of piscidin 4 from the hybrid striped bass (*Morone chrysops* x *Morone saxatilis*). In FISH & SHELLFISH IMMUNOLOGY. ISSN 1050-4648, JAN 2011, vol. 30, no. 1, p. 420-424., WOS
- [1.1] SANTORO, D. - BUNICK, D. - GRAVES, T.K. - CAMPBELL, K.L. Expression and distribution of antimicrobial peptides in the skin of healthy beagles. In VETERINARY DERMATOLOGY. ISSN 0959-4493, FEB 2011, vol. 22, no. 1, p. 61-67., WOS
- [1.1] SANTORO, D. - MARSELLA, R. - BUNICK, D. - GRAVES, T.K. - CAMPBELL, K.L. Expression and distribution of canine antimicrobial peptides in the skin of healthy and atopic beagles. In VETERINARY IMMUNOLOGY AND IMMUNOPATHOLOGY. ISSN 0165-2427, DEC 15 2011, vol. 144, no. 3-4, p. 382-388., WOS
- [1.1] SARKER, P. - AHMED, S. - TIASH, S. - REKHA, R.S. - STROMBERG, R. - ANDERSSON, J. - BERGMAN, P. - GUDMUNDSSON, G.H. - AGERBERTH, B. - RAQIB, R. Phenylbutyrate Counteracts Shigella Mediated Downregulation of Cathelicidin in Rabbit Lung and Intestinal Epithelia: A Potential Therapeutic Strategy. In PLOS ONE. ISSN 1932-6203, JUN 3 2011, vol. 6, no. 6., WOS
- [1.1] SPECTOR, Michael P. - KENYON, William J. Resistance and survival strategies of *Salmonella enterica* to environmental stresses. In FOOD RESEARCH INTERNATIONAL. ISSN 0963-9969, 2012, vol. 45, no. 2, pp.

455., WOS

[1.1] TAKAGI, Shiaki - BAI, Lanlan - OZEKI, Tomomitsu - MIYAGI, Hikaru - KURODA, Kengo - HAYASHI, Shunji - YONEYAMA, Hiroshi - ANDO, Tasuke - ISOGAI, Emiko. A bovine myeloid antimicrobial peptide (BMAP-28) kills methicillin-resistant *Staphylococcus aureus* but promotes adherence of the bacteria. In *ANIMAL SCIENCE JOURNAL*. ISSN 1344-3941, 2014, vol. 85, no. 3, pp. 342., WOS

[1.1] TARR, D. E. K. Nematode antimicrobial peptides. In *ISJ-INVERTEBRATE SURVIVAL JOURNAL*. ISSN 1824-307X, 2012, vol. 9, no. 1, pp. 122., WOS

[1.2] HONG, Sun - YUE, Xue - NING, Huang. Research progress in antibacterial mechanisms of antimicrobial peptides. In *Chinese Journal of Antibiotics*. ISSN 10018689, 2013-11-19, 38, 8, pp. 568-572., SCOPUS

[1.2] CHEN, C. - WU, S. - LI, X. - ZHANG, X. - YAN, M. Shengwu Gongcheng Xuebao-Chinese Journal of Biotechnology. 2011, vol. 27, no. 6, p. 846-859, SCOPUS

[1.2] LOPES, José Luiz S - GÓMARA, María José - HARO, Isabel - TONARELLI, Georgina G. - BELTRAMINI, Leila Maria. Contribution of the Tyr-1 in plantaricin149a to disrupt phospholipid model membranes. In *International Journal of Molecular Sciences*. ISSN 16616596, 2013-06-01, 14, 6, pp. 12313-12328., SCOPUS

ADCA166 PATTERSON-BUCKENDAHL, P. - BLAKLEY, G. - KUBOVČÁKOVÁ, Lucia - KRIŽANOVÁ, Oľga - POHORECKY, L. A. - KVETŇANSKÝ, Richard. Alcohol alters rat adrenomedullary function and stress response. In *STRESS CURRENT NEUROENDOCRINE AND GENETIC APPROACHES*, 2004, vol. 1018, p. 173-182. ISSN 0077-8923.

Ohlasy:

[1.1] AJAKAIYE, Michael - JACOB, Asha - WU, Rongqian - NICASTRO, Jeffrey M. - COPPA, Gene F. - WANG, Ping. Alcohol and hepatocyte-Kupffer cell interaction (Review). In *MOLECULAR MEDICINE REPORTS*, 2011, vol.4, no.4, 597., WOS

[1.1] FERRARI, L. F. - LEVINE, E. - LEVINE, J. D. INDEPENDENT CONTRIBUTIONS OF ALCOHOL AND STRESS AXIS HORMONES TO PAINFUL PERIPHERAL NEUROPATHY. In *NEUROSCIENCE*. ISSN 0306-4522, 2013, vol. 228, no., pp. 409., WOS

[1.1] NOORI, Hamid R. - HELINSKI, Sandra - SPANAGEL, Rainer. Cluster and meta-analyses on factors influencing stress-induced alcohol drinking and relapse in rodents. In *ADDICTION BIOLOGY*. ISSN 1369-1600, 2014, vol. 19, no. 2, pp. 225., WOS

[1.1] ZHANG, Huiping - WANG, Fan - XU, Hongqin - LIU, Yawen - LIU, Jin - ZHAO, Hongyu - GELERNTER, Joel. Differentially co-expressed genes in postmortem prefrontal cortex of individuals with alcohol use disorders: influence on alcohol metabolism-related pathways. In *HUMAN GENETICS*. ISSN 0340-6717, 2014, vol. 133, no. 11, pp. 1383., WOS

ADCA167 PATTERSON-BUCKENDAHL, P. - KVETŇANSKÝ, Richard - KUBOVČÁKOVÁ, Lucia - KRIŽANOVÁ, Oľga - POHORECKY, L. A. Ethanol consumption increases rat stress hormones and adrenomedullary gene expression. In *Alcohol*, 2006, vol. 37, iss. 3, p. 157-166. ISSN 0741-8329.

Ohlasy:

- [1.1] AL-WADEI, Mohammed H. - AL-WADEI, Hussein A. N. - SCHULLER, Hildegard M. Gamma-amino Butyric Acid (GABA) Prevents the Induction of Nicotinic Receptor-Regulated Signaling by Chronic Ethanol in Pancreatic Cancer Cells and Normal Duct Epithelia. In *CANCER PREVENTION RESEARCH*. ISSN 1940-6207, 2013, vol. 6, no. 2, pp. 139., WOS
- [1.1] Barrero, M.J., Ojeda, M.L., Díaz Castro, J., Nogales, F., Murillo, M.L., Carreras, O. The effects of ethanol upon hydric balance and arterial pressure in rats: Folic acid as a possible hypotensor. *Life Sciences*, 90(9-10): 337-342, 2012, WOS
- [1.1] FERRARI, L. F. - LEVINE, E. - LEVINE, J. D. INDEPENDENT CONTRIBUTIONS OF ALCOHOL AND STRESS AXIS HORMONES TO PAINFUL PERIPHERAL NEUROPATHY. In *NEUROSCIENCE*. ISSN 0306-4522, 2013, vol. 228, no., pp. 409., WOS
- [1.1] GOMEZ, J. L. - LEWIS, M. J. - SEBASTIAN, V. - SERRANO, P. - LUINE, V. N. Alcohol administration blocks stress-induced impairments in memory and anxiety, and alters hippocampal neurotransmitter receptor expression in male rats. In *HORMONES AND BEHAVIOR*. ISSN 0018-506X, 2013, vol. 63, no. 4, pp. 659., WOS
- [1.1] HAKUCHO, Ayako - LIU, Jinyao - LIU, Xu - FUJIMIYA, Tatsuya. Carvedilol improves ethanol-induced liver injury via modifying the interaction between oxidative stress and sympathetic hyperactivity in rats. In *HEPATOLOGY RESEARCH*. ISSN 1386-6346, 2014, vol. 44, no. 5, pp. 560., WOS
- [1.1] MARASLIOGLU, M. - WEBER, R. - KORFF, S. - BLATTNER, C. - NAUCK, C. - HENRICH, D. - JOBIN, C. - MARZI, I. - LEHNERT, M. Activation of NF-kappa B after chronic ethanol intake and haemorrhagic shock/resuscitation in mice. In *BRITISH JOURNAL OF PHARMACOLOGY*. ISSN 0007-1188, 2013, vol. 170, no. 3, pp. 506., WOS
- [1.1] Mitchell, J.M., Margolis, E.B., Coker, A.R., Fields, H.L. Alcohol self-administration, anxiety, and cortisol levels predict changes in delta opioid receptor function in the ventral tegmental area. *Behavioral Neuroscience*, 126(4): 515-522, 2012, WOS
- [1.1] PATKI, G - SOLANKI, N - ATROOZ, F - ALLAM, F - SALIM, S. Depression, anxiety-like behavior and memory impairment are associated with increased oxidative stress and inflammation in a rat model of social stress. In *BRAIN RESEARCH*. 2013, 1539, pp. 73-86., WOS
- [1.1] Rajaian, H., Nazifi, S., Bidadkosh, A., Azimpour, T. The modulatory role of cortisol on prolactin secretion in anestrus Iranian fat-tailed ewes. *Comparative Clinical Pathology*, 21(5): 565-570, 2012, WOS
- [1.1] SAALFIELD, Jessica - SPEAR, Linda. Developmental differences in the effects of alcohol and stress on heart rate variability. In *PHYSIOLOGY & BEHAVIOR*. ISSN 0031-9384, 2014, vol. 135, no., pp. 72., WOS
- [1.1] Silberman, Y., Ariwodola, O.J., Weiner, J.L. β 1-Adrenoceptor activation is required for ethanol enhancement of lateral paracapsular GABAergic synapses in the rat basolateral amygdala. *Journal of Pharmacology and Experimental Therapeutics*, 343(2): 451-459, 2012, WOS
- [1.1] Willey, A.R., Anderson, R.I., Morales, M., Ramirez, R.L., Spear, L. Effects of ethanol administration on corticosterone levels in adolescent and adult rats. *Alcohol*, 46(1): 29-36, 2012, WOS

[1.2] Yu, H., Watt, H., Kesavan, C., Johnson, P.J., Wergedal, J.E., Mohan, S. Lasting Consequences of Traumatic Events on Behavioral and Skeletal Parameters in a Mouse Model for Post-Traumatic Stress Disorder (PTSD). PLOS ONE, 7(8), art. no. e42684, 2012, SCOPUS

ADCA168 PAVLIKOVA, M. - TATARKOVA, Z. - SIVONOVA, M. - KAPLAN, P. - KRIŽANOVÁ, Ol'ga - LEHOTSKY, J. Alterations Induced by Ischemic Preconditioning on Secretory Pathways Ca²⁺-ATPase (SPCA) Gene Expression and Oxidative Damage After Global Cerebral Ischemia/Reperfusion in Rats. In *Cellular and Molecular Neurobiology*, 2009, vol. 29, iss. 6-7, p. 909-916. (2.550 - IF2008). (2009 - Current Contents, WOS, SCOPUS). ISSN 0272-4340.

Ohlasy:

[1.1] HE, Wenfang - HU, Zhiping. The Role of the Golgi-Resident SPCA Ca²⁺/Mn²⁺ Pump in Ionic Homeostasis and Neural Function. In NEUROCHEMICAL RESEARCH. ISSN 0364-3190, 2012, vol. 37, no. 3, pp. 455., WOS

[1.1] KOURTIS, Nikos - NIKOLETOPOULOU, Vassiliki - TAVERNARAKIS, Nektarios. Small heat-shock proteins protect from heat-stroke-associated neurodegeneration. In NATURE. ISSN 0028-0836, 2012, vol. 490, no. 7419, pp. 213., WOS

[1.1] LU, Tonglin - HU, Zhiping - ZENG, Liuwang - JIANG, Zheng. Changes in secretory pathway Ca²⁺-ATPase 2 following focal cerebral ischemia/reperfusion injury. In NEURAL REGENERATION RESEARCH. ISSN 1673-5374, 2013, vol. 8, no. 1, pp. 76., WOS

[1.1] NARAYANAN, Srinivasan V. - DAVE, Kunjan R. - PEREZ-PINZON, Miguel A. Ischemic preconditioning and clinical scenarios. In CURRENT OPINION IN NEUROLOGY. ISSN 1350-7540, 2013, vol. 26, no. 1, pp. 1., WOS

[1.1] NIKOLETOPOULOU, Vassiliki - TAVERNARAKIS, Nektarios. Necrotic Cell Death in *Caenorhabditis elegans*. In NECROTIC CELL DEATH, 2014, vol., no., pp. 275-294., WOS

[1.1] NIKOLETOPOULOU, Vassiliki - TAVERNARAKIS, Nektarios. Necrotic Cell Death in *Caenorhabditis elegans*. In REGULATED CELL DEATH, PT B: NECROPTOTIC, AUTOPHAGIC AND OTHER NON-APOPTOTIC MECHANISMS. ISSN 0076-6879, 2014, vol. 545, no., pp. 127-155., WOS

[1.2] SEPULVEDA, M.R. - WUYTACK, F. - MATA, A.M. High levels of Mn²⁺ inhibit secretory pathway Ca²⁺/Mn²⁺-ATPase (SPCA) activity and cause Golgi fragmentation in neurons and glia. In JOURNAL OF NEUROCHEMISTRY. December 2012, vol. 123, no. 5, p. 824-836, SCOPUS

ADCA169 PAVLOVIČOVÁ, Michaela - KARMAŽÍNOVÁ, Mária - HULÁKOVÁ, Silvia - LACINOVÁ, Ľubica. Bisphenol A differently inhibits Ca(V)_{3.1}, Ca(V)_{3.2} and Ca(V)_{3.3} calcium channels. In *Naunyn-Schmiedeberg's Archives of Pharmacology*, 2014, vol. 387, no. 2, p. 153-163. (2.360 - IF2013). (2014 - Current Contents). ISSN 0028-1298. VEGA 2/0044/13.

Ohlasy:

[1.1] Gao, X - Wang, HS. Impact of Bisphenol A on the Cardiovascular System - Epidemiological and Experimental Evidence and Molecular Mechanisms. In International Journal of Environmental Research and Public Health. 2014, vol. 11, no. 8, pp. 8399-8413, WOS

ADCA170 PENESOVÁ, Adela - CIZMAROVA, E. - KVETŇANSKÝ, Richard - KOSKA, J. - SEDLÁKOVÁ, Barbora - KRIŽANOVÁ, Oľga. Insertion/deletion polymorphism on ACE gene is associated with endothelial dysfunction in young patients with hypertension. In *Hormone and Metabolic research*, 2006, vol. 38, iss. 9, p. 592-597. ISSN 0018-5043.

Ohlasy:

[1.1] Ceyhan, K., Kadi, H., Celik, A., Burucu, T., Koc, F., Sogut, E., Sahin, S., Onalan, O. Angiotensin-converting enzyme DD polymorphism is associated with poor coronary collateral circulation in patients with coronary artery disease. *Journal of Investigative Medicine*, 60(1): 49-55, 2012, WOS

[1.2] SIMSEK, Vedat - DOGRU, Mehmet Tolga - BOYUAGA, Hakan - SAYIN KOCAKAP, D. Beyza - YILDIRIM, Nesligül - GUZEL, Murat - ALP, Caglar. The effects of ACE gene polymorphism on the serum antioxidant capacity. In *Experimental and Clinical Cardiology*. ISSN 12056626, 2014, vol. 20, no. 8, pp. 2238-2252., SCOPUS

ADCA171 PINTEROVÁ, L. - ŽELEZNÁ, Blanka - FICKOVÁ, Mária - MACHO, Ladislav - KRIŽANOVÁ, Oľga - JEŽOVÁ, Daniela - ZÓRAD, Štefan. Elevated AT(1) receptor protein but lower angiotensin II-Binding in adipose tissue of rats with monosodium glutamate-induced obesity. In *Hormone and Metabolic research*, 2001, vol. 33, no. 12, p. 708-712. ISSN 0018-5043.

Ohlasy:

[1.1] da Silva Mattos, A.M., Xavier, C.H., Karlen-Amarante, M., da Cunha, N.V., Fontes, M.A.P., Martins-Pinge, M.C. Renal sympathetic nerve activity is increased in monosodium glutamate induced hyperadipose rats. *Neuroscience Letters*, 522(2): 118-122, 2012, WOS

[1.1] FRIGOLET, Maria E. - TORRES, Nimbe - TOVAR, Armando R. The renin-angiotensin system in adipose tissue and its metabolic consequences during obesity. In *JOURNAL OF NUTRITIONAL BIOCHEMISTRY*. ISSN 0955-2863, 2013, vol. 24, no. 12, pp. 2003., WOS

[1.1] RUBIO-RUIZ, M. E. - DEL VALLE-MONDRAGON, L. - CASTREJON-TELLEZ, V. - CARREON-TORRES, E. - DIAZ-DIAZ, E. - GUARNER-LANS, V. Angiotensin II and 1-7 during aging in Metabolic Syndrome rats. Expression of AT1, AT2 and Mas receptors in abdominal white adipose tissue. In *PEPTIDES*. ISSN 0196-9781, 2014, vol. 57, pp. 101-108., WOS

ADCA172 PIQUEREAU, Jérôme - CAFFIN, Fanny - NOVOTOVÁ, Marta - PROLA, Alexandre - GARNIER, A. - MATEO, Philippe - FORTIN, Dominique - HUYNH, Le Ha - NICOLAS, Valérie - ALAVI, Marcel V. - BRENNER, Catherine - VENTURA-CLAPIER, Renée - VEKSLER, Vladimir - JOUBERT, F. Down-regulation of OPA1 alters mouse mitochondrial morphology, PTP function, and cardiac adaptation to pressure overload. In *Cardiovascular Research*, 2012, vol. 94, p. 408-417. (6.064 - IF2011). (2012 - Current Contents). ISSN 0008-6363. VEGA 2/0116/12, LSHM-CT-2005-018833/EUGeneHeart, grant Un Paris Sud.

Ohlasy:

[1.1] ALAVI, Marcel V. - FUHRMANN, Nico. Dominant optic atrophy, OPA1, and mitochondrial quality control: understanding mitochondrial network dynamics. In *MOLECULAR NEURODEGENERATION*. ISSN 1750-1326,

2013, vol. 8, no., pp., WOS

[1.1] BELENGUER, Pascale - PELLEGRINI, Luca. The dynamin GTPase OPA1: More than mitochondria? In BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH. ISSN 0167-4889, 2013, vol. 1833, no. 1, pp. 176., WOS

[1.1] BENINCA, Cristiane - PLANAGUMA, Jesus - DE VREITAS SHUCK, Adriana - ACIN-PEREZ, Rebeca - PABLO MUNOZ, Juan - MATEUS DE ALMEIDA, Marina - BROWN, Joan H. - MURPHY, Anne N. - ZORZANO, Antonio - ANTONIO ENRIQUEZ, Jose - ARAGAY, Anna M. A new non-canonical pathway of G alpha(q) protein regulating mitochondrial dynamics and bioenergetics. In CELLULAR SIGNALLING. ISSN 0898-6568, 2014, vol. 26, no. 5, pp. 1135., WOS

[1.1] DORN, Gerald W. Mitochondrial Dynamism and Cardiac FateA Personal Perspective-. In CIRCULATION JOURNAL. ISSN 1346-9843, 2013, vol. 77, no. 6, pp. 1370., WOS

[1.1] FRIEDLAND-LEUNER, Kristina - STOCKBURGERT, Carola - DENZER, Isabel - ECKERT, Gunter P. - MUELLER, Walter E. - OSIEWACZ, HD. Mitochondrial Dysfunction: Cause and Consequence of Alzheimer's Disease. In MITOCHONDRION IN AGING AND DISEASE. ISSN 1877-1173, 2014, vol. 127, no., pp. 183., WOS

[1.1] GRAU, Tanja - BURBULLA, Lena F. - ENGL, Gertraud - DELETTRE, Cecile - DELPRAT, Benjamin - OEXLE, Konrad - LEO-KOTTLER, Beate - ROSCIOLI, Tony - KRUEGER, Rejko - RAPAPORT, Doron - WISSINGER, Bernd - SCHIMPF-LINZENBOLD, Simone. A novel heterozygous OPA3 mutation located in the mitochondrial target sequence results in altered steady-state levels and fragmented mitochondrial network. In JOURNAL OF MEDICAL GENETICS. ISSN 0022-2593, 2013, vol. 50, no. 12, pp. 848., WOS

[1.1] HALL, A. R. - BURKE, N. - DONGWORTH, R. K. - HAUSENLOY, D. J. Mitochondrial fusion and fission proteins: novel therapeutic targets for combating cardiovascular disease. In BRITISH JOURNAL OF PHARMACOLOGY. ISSN 0007-1188, 2014, vol. 171, no. 8, pp. 1890., WOS

[1.1] CHANG, Yu-Wang - CHANG, Ya-Ting - WANG, Qinchuan - LIN, Jim Jung-Ching - CHEN, Yu-Ju - CHEN, Chien-Chang. Quantitative Phosphoproteomic Study of Pressure-Overloaded Mouse Heart Reveals Dynamin-Related Protein 1 as a Modulator of Cardiac Hypertrophy. In MOLECULAR & CELLULAR PROTEOMICS. ISSN 1535-9476, 2013, vol. 12, no. 11, pp. 3094., WOS

[1.1] CHEN, Le - WINGER, Allison J. - KNOWLTON, Anne A. Mitochondrial dynamic changes in health and genetic diseases. In MOLECULAR BIOLOGY REPORTS. ISSN 0301-4851, 2014, vol. 41, no. 11, pp. 7053., WOS

[1.1] IKEDA, Yoshiyuki - SCIARRETTA, Sebastiano - NAGARAJAN, Narayani - RUBATTU, Speranza - VOLPE, Massimo - FRATI, Giacomo - SADOSHIMA, Junichi. New Insights into the Role of Mitochondrial Dynamics and Autophagy during Oxidative Stress and Aging in the Heart. In OXIDATIVE MEDICINE AND CELLULAR LONGEVITY. ISSN 1942-0900, 2014, vol., no., pp., WOS

[1.1] LISKOVA, Petra - ULMANOVA, Olga - TESINA, Petr - MELSOVA, Hana - DIBLIK, Pavel - HANSIKOVA, Hana - TESAROVA, Marketa - VOTRUBA, Marcela. Novel OPA1 missense mutation in a family with optic

atrophy and severe widespread neurological disorder. In ACTA OPHTHALMOLOGICA. ISSN 1755-375X, 2013, vol. 91, no. 3, pp. E225., WOS

[1.1] LITTLEJOHNS, Ben - PASDOIS, Philippe - DUGGAN, Simon - BOND, Andrew R. - HEESOM, Kate - JACKSON, Christopher L. - ANGELINI, Gianni D. - HALESTRAP, Andrew P. - SULEIMAN, M.Saadeh. Hearts from Mice Fed a Non-Obesogenic High-Fat Diet Exhibit Changes in Their Oxidative State, Calcium and Mitochondria in Parallel with Increased Susceptibility to Reperfusion Injury. In PLOS ONE. ISSN 1932-6203, 2014, vol. 9, no. 6, pp., WOS

[1.1] LI, Jun - QI, Man - LI, Changming - SHI, Dan - ZHANG, Dasheng - XIE, Duanyang - YUAN, Tianyou - FENG, Jing - LIU, Yi - LIANG, Dandan - XU, Xinran - CHEN, Jinjin - XU, Liang - ZHANG, Hong - YE, Jiangchuan - LV, Fei - HUANG, Jian - PENG, Luying - CHEN, Yi-Han. Tom70 serves as a molecular switch to determine pathological cardiac hypertrophy. In CELL RESEARCH. ISSN 1001-0602, 2014, vol. 24, no. 8, pp. 977., WOS

[1.1] MARZETTI, Emanuele - CSISZAR, Anna - DUTTA, Debapriya - BALAGOPAL, Gauthami - CALVANI, Riccardo - LEEUWENBURGH, Christiaan. Role of mitochondrial dysfunction and altered autophagy in cardiovascular aging and disease: from mechanisms to therapeutics. In AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY. ISSN 0363-6135, 2013, vol. 305, no. 4, pp. H459., WOS

[1.1] OBIS, Elia - IRAZUSTA, Veronica - SANCHIS, Daniel - ROS, Joaquim - TAMARIT, Jordi. Frataxin deficiency in neonatal rat ventricular myocytes targets mitochondria and lipid metabolism. In FREE RADICAL BIOLOGY AND MEDICINE. ISSN 0891-5849, 2014, vol. 73, no., pp. 21., WOS

[1.1] ONG, Sang-Bing - HALL, Andrew R. - HAUSENLOY, Derek J. Mitochondrial Dynamics in Cardiovascular Health and Disease. In ANTIOXIDANTS & REDOX SIGNALING. ISSN 1523-0864, 2013, vol. 19, no. 4, pp. 400., WOS

[1.1] OROGO, Amabel M. - GUSTAFSSON, Asa B. Cell death in the myocardium: My heart won't go on. In IUBMB LIFE. ISSN 1521-6543, 2013, vol. 65, no. 8, pp. 651., WOS

[1.1] PARRA, Valentina - VERDEJO, Hugo E. - IGLEWSKI, Myriam - DEL CAMPO, Andrea - TRONCOSO, Rodrigo - JONES, Deborah - ZHU, Yi - KUZMICIC, Jovan - PENNANEN, Christian - LOPEZ-CRISOSTO, Camila - JANA, Fabian - FERREIRA, Jorge - NOGUERA, Eduard - CHIONG, Mario - BERNLOHR, David A. - KLIP, Amira - HILL, Joseph A. - ROTHERMEL, Beverly A. - ABEL, Evan Dale - ZORZANO, Antonio - LAVANDERO, Sergio. Insulin Stimulates Mitochondrial Fusion and Function in Cardiomyocytes via the Akt-mTOR-NF kappa B-Opa-1 Signaling Pathway. In DIABETES. ISSN 0012-1797, 2014, vol. 63, no. 1, pp. 75., WOS

[1.1] SAMANT, Sadhana A. - ZHANG, Hannah J. - HONG, Zhigang - PILLAI, Vinodkumar B. - SUNDARESAN, Nagalingam R. - WOLFGHEER, Donald - ARCHER, Stephen L. - CHAN, David C. - GUPTA, Mahesh P. SIRT3 Deacetylates and Activates OPA1 To Regulate Mitochondrial Dynamics during Stress. In MOLECULAR AND CELLULAR BIOLOGY. ISSN 0270-7306, 2014, vol. 34, no. 5, pp. 807., WOS

[1.1] SUN, Mengwei - HUANG, Chenglin - WANG, Cheng - ZHENG,

- Jianheng - ZHANG, Peng - XU, Yangshu - CHEN, Hong - SHEN, Weili.
Ginsenoside Rg3 improves cardiac mitochondrial population quality: Mimetic exercise training. In BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS. ISSN 0006-291X, 2013, vol. 441, no. 1, pp. 169., WOS
- [1.1] WU, Y.T. - WU, S.B. - WEI, Y.H. Roles of sirtuins in the regulation of antioxidant defense and bioenergetic function of mitochondria under oxidative stress. In FREE RADICAL RESEARCH. ISSN 1071-5762, 2014, vol. 48, no. 9, pp. 1070., WOS
- [1.2] GALLINA, C. - BRERO, A. - GALLO, M.P. - LEVI, R. Regulation of intracellular cardiomyocyte calcium stores by peptides: A new approach to cardiac protection. In Current Medicinal Chemistry, 2012, 19, 34, pp. 5782-5792., SCOPUS
- [1.2] GIVVIMANI, Srikanth - PUSHPAKUMAR, Sathnur - VEERANKI, Sudhakar - TYAGI, Suresh C. Dysregulation of Mfn2 and Drp-1 proteins in heart failure1. In Canadian Journal of Physiology and Pharmacology. ISSN 00084212, 2014-01-01, 92, 7, pp. 583-591., SCOPUS
- [1.2] HALL, A.R. - HAUSENLOY, D.J. The shape of things to come: Mitochondrial fusion and fission in the adult heart. In Cardiovascular Research, 2012, 94, 3, pp. 391-392., SCOPUS
- [1.2] HUANG, Shunping - TSAI, Rongkung. The mechanisms of retinal ganglion cell death in optic neuropathies. In Neuro-Ophthalmology Japan. ISSN 02897024, 2013-08-13, 30, 2, pp. 217-224., SCOPUS
- [1.2] KASAHARA, Atsuko - SCORRANO, Luca - SCORRANO, Luca. Mitochondria: From cell death executioners to regulators of cell differentiation. In Trends in Cell Biology. ISSN 09628924, 2014-01-01, 24, 12, pp. 761-770., SCOPUS
- [1.2] KUBLI, D.A. - GUSTAFSSON, A.B. Mitochondria and mitophagy: The yin and yang of cell death control. In Circulation Research, 2012, 111, 9, pp. 1208-1221., SCOPUS
- [1.2] PAPANICOLAOU, K.N. - PHILLIPPO, M.M. - WALSH, K. Mitofusins and the mitochondrial permeability transition: The potential downside of mitochondrial fusion. In American Journal of Physiology Heart and Circulatory Physiology, 2012, 303, 3, pp. 243-255., SCOPUS
- [1.2] SARZI, E. - ANGEBAULT, C. - SEVENO, M. - GUEGUEN, N. - CHAIX, B. - BIELICKI, G. - BODDAERT, N. - MAUSSET-BONNEFONT, A.-L. - CAZEVIEILLE, C. - RIGAU, V. - RENOU, J.-P. - WANG, J. - DELETTRE, C. - BRABET, P. - PUEL, J.-L. - HAMEL, C.P. - REYNIER, P. - LENAERS, G. The human OPA1delTTAG mutation induces premature age-related systemic neurodegeneration in mouse. In Brain, 2012, 135, 12, pp. 3599-3613., SCOPUS
- [1.2] VERDEJO, H.E. - DEL CAMPO, A. - TRONCOSO, R. - GUTIERREZ, T. - TORO, B. - QUIROGA, C. - PEDROZO, Z. - MUNOZ, J.P. - GARCIA, L. - CASTRO, P.F. - LAVANDERO, S. Mitochondria, myocardial remodeling, and cardiovascular disease. In Current Hypertension Reports, 2012, 14, 6, pp. 532-539., SCOPUS
- [1.2] VINOGRADSKAYA, I. S. - KUZNETSOVA, T. G. - SUPRUNENKO, E. A. Mitochondrial network of skeletal muscle fiber. In Moscow University Biological Sciences Bulletin. ISSN 00963925, 2014-01-01, 69, 2, pp. 57-66., SCOPUS

- ADCA173 PIQUEREAU, Jérôme - NOVOTOVÁ, Marta - FORTIN, Dominique - GARNIER, A. - VENTURA-CLAPIER, Renée - VEKSLER, A. - JOUBERT, F. Postnatal development of mouse heart: formation of energetic microdomains. In *Journal of Physiology : A publication of the Physiological Society*, 2010, vol. 588, iss. 13, p. 2443-2454. (4.764 - IF2009). (2010 - Current Contents). ISSN 0022-3751.
- Ohlasy:
- [1.1] ANMANN, Tiia - VARIKMAA, Minna - TIMOHHINA, Natalja - TEPP, Kersti - SHEVCHUK, Igor - CHEKULAYEV, Vladimir - SAKS, Valdur - KAAMBRE, Tuuli. Formation of highly organized intracellular structure and energy metabolism in cardiac muscle cells during postnatal development of rat heart. In *BIOCHIMICA ET BIOPHYSICA ACTA-BIOENERGETICS*. ISSN 0005-2728, 2014, vol. 1837, no. 8, pp. 1350., WOS
- [1.1] BIRKET, Matthew J. - CASINI, Simona - KOSMIDIS, Georgios - ELLIOTT, David A. - GERENCSE, Akos A. - BAARTSCHEER, Antonius - SCHUMACHER, Cees - MASTROBERARDINO, Pier G. - ELEFANTY, Andrew G. - STANLEY, Ed G. - MUMMERY, Christine L. PGC-1 alpha and Reactive Oxygen Species Regulate Human Embryonic Stem Cell-Derived Cardiomyocyte Function. In *STEM CELL REPORTS*. ISSN 2213-6711, 2013, vol. 1, no. 6, pp. 560., WOS
- [1.1] FAHRENBACH, John P. - STOLLER, Douglas - KIM, Gene - AGGARWAL, Nitin - YEROKUN, Babatunde - EARLEY, Judy U. - HADHAZY, Michele - SHI, Nian-Qing - MAKIELSKI, Jonathan C. - MCNALLY, Elizabeth M. Abcc9 is required for the transition to oxidative metabolism in the newborn heart. In *FASEB JOURNAL*. ISSN 0892-6638, 2014, vol. 28, no. 7, pp. 2804., WOS
- [1.1] GONZALEZ-TENDERO, Anna - TORRE, Iratxe - GARCIA-CANADILLA, Patricia - CRISPI, Fatima - GARCIA-GARCIA, Francisco - DOPAZO, Joaquin - BIJNENS, Bart - GRATACOS, Eduard. Intrauterine growth restriction is associated with cardiac ultrastructural and gene expression changes related to the energetic metabolism in a rabbit model. In *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*. ISSN 0363-6135, 2013, vol. 305, no. 12, pp. H1752., WOS
- [1.1] KATZ, Guy - SHAINBERG, Asher - HOCHHAUSER, Edith - KURTZWALD-JOSEFSON, Efrat - ISSAC, Ahuva - EL-ANI, Dalia - ARAVOT, Dan - AFEK, Arnon - SEIDMAN, Jonathan G. - SEIDMAN, Christine E. - ELDAR, Michael - ARAD, Michael. The role of mutant protein level in autosomal recessive catecholamine dependent polymorphic ventricular tachycardia (CPVT2). In *BIOCHEMICAL PHARMACOLOGY*. ISSN 0006-2952, 2013, vol. 86, no. 11, pp. 1576., WOS
- [1.1] KEUNG, Wendy - BOHELER, Kenneth R. - LI, Ronald A. Developmental cues for the maturation of metabolic, electrophysiological and calcium handling properties of human pluripotent stem cell-derived cardiomyocytes. In *STEM CELL RESEARCH & THERAPY*. ISSN 1757-6512, 2014, vol. 5, no., pp., WOS
- [1.1] MARTIN, Ola J. - LAI, Ling - SOUNDARAPANDIAN, Mangala M. - LEONE, Teresa C. - ZORZANO, Antonio - KELLER, Mark P. - ATTIE, Alan D. - MUOIO, Deborah M. - KELLY, Daniel P. Role for Peroxisome Proliferator-Activated Receptor. Coactivator-1 in the Control of Mitochondrial Dynamics During Postnatal Cardiac Growth. In *CIRCULATION RESEARCH*. ISSN 0009-7330, 2014, vol. 114, no. 4, pp. 626., WOS

- [1.1] NEARY, Marianne T. - NG, Keat-Eng - LUDTMANN, Marthe H. R. - HALL, Andrew R. - PIOTROWSKA, Izabela - ONG, Sang-Bing - HAUSENLOY, Derek J. - MOHUN, Timothy J. - ABRAMOV, Andrey Y. - BRECKENRIDGE, Ross A. Hypoxia signaling controls postnatal changes in cardiac mitochondrial morphology and function. In JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY. ISSN 0022-2828, 2014, vol. 74, no., pp. 340., WOS
- [1.1] UESUGI, Mai - OJIMA, Atsuko - TANIGUCHI, Tomohiko - MIYAMOTO, Norimasa - SAWADA, Kohei. Low-density plating is sufficient to induce cardiac hypertrophy and electrical remodeling in highly purified human iPS cell-derived cardiomyocytes. In JOURNAL OF PHARMACOLOGICAL AND TOXICOLOGICAL METHODS. ISSN 1056-8719, 2014, vol. 69, no. 2, pp. 177., WOS
- [1.2] MIAS, C. - GENET, G. - PATHAK, A. - SÉNARD, J.-M. - GALÉS, C. Adult resident cardiomyocytes wake up: New axis for cardiac tissue regeneration | Le réveil des cardiomyocytes adultes résidents Une nouvelle piste de régénération cardiaque ? In Medecine/Sciences, 2012, 28, 12, pp. 1103-1109., SCOPUS
- [1.2] PAPANICOLAOU, K.N. - KIKUCHI, R. - NGOH, G.A. - COUGHLAN, K.A. - DOMINGUEZ, I. - STANLEY, W.C. - WALSH, K. Mitofusins 1 and 2 are essential for postnatal metabolic remodeling in heart. In Circulation Research, 2012, 111, 8, pp. 1012-1026., SCOPUS
- [1.2] PICARD, M. - HEPPLER, R.T. - BURELLE, Y. Mitochondrial functional specialization in glycolytic and oxidative muscle fibers: Tailoring the organelle for optimal function. In American Journal of Physiology Cell Physiology, 2012, 302, 4, pp. C629-C641., SCOPUS

ADCA174 PLÁŠILOVÁ, Martina - STOILOV, I. - SARFARAZI, M. - KÁDAŠI, Ľudevít - FERA KOVA, E. - FERA K, V. Identification of a single ancestral CYP1B1 mutation in Slovak Gypsies (Roms) affected with primary congenital glaucoma. In *Journal of Medical Genetics*, 1999, vol. 36, iss 4, p. 290-294. ISSN 0022-2593.

Ohlasy:

- [1.1] ABU-AMERO, K.K. - OSMAN, E.A. - MOUSA, A. - WHEELER, J. - WHIGHAM, B. - ALLINGHAM, R.R. - HAUSER, M.A. - AL-OBEIDAN, S.A. Screening of CYP1B1 and LTBP2 genes in Saudi families with primary congenital glaucoma: Genotype-phenotype correlation. In MOLECULAR VISION. ISSN 1090-0535, NOV 12 2011, vol. 17, no. 314-15, p. 2911-2919., WOS
- [1.1] AZMANOV, D.N. - DIMITROVA, S. - FLOREZ, L. - CHERNINKOVA, S. - DRAGANOV, D. - MORAR, B. - SAAT, R. - JUAN, M. - AROSTEGUI, J.I. - GANGULY, S. - SOODYALL, H. - CHAKRABARTI, S. - PADH, H. - LOPEZ-NEVOT, M.A. - CHERNODRINSKA, V. - ANGUELOV, B. - MAJUMDER, P. - ANGELOVA, L. - KANEVA, R. - MACKAY, D.A. - TOURNEV, I. - KALAYDJIEVA, L. LTBP2 and CYP1B1 mutations and associated ocular phenotypes in the Roma/Gypsy founder population. In EUROPEAN JOURNAL OF HUMAN GENETICS. ISSN 1018-4813, MAR 2011, vol. 19, no. 3, p. 326-333., WOS
- [1.1] BARASHKOV, N.A. - DZHEMILEVA, L.U. - FEDOROVA, S.A. - TERYUTIN, F.M. - POSUKH, O.L. - FEDOTOVA, E.E. - LOBOV, S.L. - KHUSNUTDINOVA, E.K. Autosomal recessive deafness 1A (DFNB1A) in

Yakut population isolate in Eastern Siberia: extensive accumulation of the splice site mutation IVS1+1G > A in GJB2 gene as a result of founder effect. In JOURNAL OF HUMAN GENETICS. ISSN 1434-5161, SEP 2011, vol. 56, no. 9, p. 631-639., WOS

[1.1] BROZKOVA, D. Safka - LASTUVKOVA, J. - STEPANKOVA, H. - KRUTOVA, M. - TRKOVA, M. - MYSKA, P. - SEEMAN, P. DFNB49 is an important cause of non-syndromic deafness in Czech Roma patients but not in the general Czech population. In CLINICAL GENETICS. ISSN 0009-9163, 2012, vol. 82, no. 6, pp. 579., WOS

[1.1] GEYER, O. - WOLF, A. - LEVINGER, E. - HARARI-SHACHAM, A. - WALTON, D.S. - SHOCHAT, C. - KOREM, S. - BERCOVICH, D. Genotype/Phenotype Correlation in Primary Congenital Glaucoma Patients From Different Ethnic Groups of the Israeli Population. In AMERICAN JOURNAL OF OPHTHALMOLOGY. ISSN 0002-9394, FEB 2011, vol. 151, no. 2, p. 263-271., WOS

[1.1] CHEN, Xueli - CHEN, Yuhong - WANG, Li - JIANG, Deke - WANG, Wenzhang - XIA, Mingying - YU, Long - SUN, Xinghuai. CYP1B1 genotype influences the phenotype in primary congenital glaucoma and surgical treatment. In BRITISH JOURNAL OF OPHTHALMOLOGY. ISSN 0007-1161, 2014, vol. 98, no. 2, pp. 246., WOS

[1.1] JIANG, H.L. - ZHONG, F.F. - SUN, L. - FENG, W.Y. - HUANG, Z.X. - TAN, X.S. Structural and functional insights into polymorphic enzymes of cytochrome P450 2C8. In AMINO ACIDS. ISSN 0939-4451, APR 2011, vol. 40, no. 4, p. 1195-1204., WOS

[1.1] KELBERMAN, D. - ISLAM, L. - JACQUES, T.S. - RUSSELL-EGGITT, I. - BITNER-GLINDZICZ, M. - KHAW, P.T. - NISCHAL, K.K. - SOWDEN, J.C. CYP1B1-Related Anterior Segment Developmental Anomalies Novel Mutations for Infantile Glaucoma and Von Hippel's Ulcer Revisited. In OPHTHALMOLOGY. ISSN 0161-6420, SEP 2011, vol. 118, no. 9, p. 1865-1873., WOS

[1.1] KIM, H.J. - SUH, W. - PARK, S.C. - KIM, C.Y. - PARK, K.H. - KOOK, M.S. - KIM, Y.Y. - KIM, C.S. - PARK, C.K. - KI, C.S. - KEE, C. Mutation spectrum of CYP1B1 and MYOC genes in Korean patients with primary congenital glaucoma. In MOLECULAR VISION. ISSN 1090-0535, AUG 9 2011, vol. 17, no. 228, p. 2093-2101., WOS

[1.1] LASCARATOS, Gerassimos - GARWAY-HEATH, David F. - WILLOUGHBY, Colin E. - CHAU, Kai-Yin - SCHAPIRA, Anthony H. V. Mitochondrial dysfunction in glaucoma: Understanding genetic influences. In MITOCHONDRION. ISSN 1567-7249, 2012, vol. 12, no. 2, pp. 202., WOS

[1.1] LEE, J.H. - KI, C.S. - KIM, H.J. - SUH, W. - LEE, S.T. - KIM, J.W. - KEE, C. Analysis of copy number variation using whole genome exon-focused array CGH in Korean patients with primary congenital glaucoma. In MOLECULAR VISION. ISSN 1090-0535, DEC 31 2011, vol. 17, no. 383-85, p. 3583-3590., WOS

[1.1] LI, N. - ZHOU, Y. - DU, L. - WEI, M.L. - CHEN, X.M. Overview of Cytochrome P450 1B1 gene mutations in patients with primary congenital glaucoma. In EXPERIMENTAL EYE RESEARCH. ISSN 0014-4835, NOV 2011, vol. 93, no. 5, p. 572-579., WOS

[1.1] TRAJKOV, Dejan - PETLICHKOVSKI, Aleksandar - EFINSKA-MLADENOVSKA, Olivija - HRISTOMANOVA, Slavica -

- DJULEJIC, Eli - KIRIJAS, Meri - SENEV, Aleksandar - SPIROSKI, Mirko. Distribution of 22 Cytokine Gene Polymorphisms in Roma from the Republic of Macedonia. In *IRANIAN JOURNAL OF ALLERGY ASTHMA AND IMMUNOLOGY*. ISSN 1735-1502, 2012, vol. 11, no. 4, pp. 282., WOS
- [1.2] AWADALLA, Mona S. - THAPA, Suman Shumsher - HEWITT, Alex W. - CRAIG, Jamie E. - BURDON, Kathryn P. Association of eNOS polymorphisms with primary angle-closure glaucoma. In *Investigative Ophthalmology and Visual Science*. ISSN 01460404, 2013-04-05, 54, 3, pp. 2108-2114., SCOPUS
- [1.2] GABRIKOVÁ, Dana - MISTRÍK, Martin - BERNASOVSKÁ, Jarmila - BŮŽIKOVÁ, Alexandra - BEHULOVÁ, Regína - TÓTHOVÁ, Iveta - MAČEKOVÁ, Soňa. Founder mutations in NDRG1 and HK1 genes are common causes of inherited neuropathies among Roma/Gypsies in Slovakia. In *Journal of Applied Genetics*. ISSN 12341983, 2013-11-01, 54, 4, pp. 455-460., SCOPUS
- [1.2] GIRGIS, N. - CHEN, T.C. Genetics of the pediatric glaucomas. In *International Ophthalmology Clinics*, 2011, vol.51, no.3, 107-117., SCOPUS
- [1.2] KAUR, K. - MANDAL, A.K. - CHAKRABARTI, S. Primary congenital glaucoma and the involvement of CYP1B1. In *Middle East African Journal of Ophthalmology*, 2011, vol.18, no.1, 7-16., SCOPUS
- [1.2] LÓPEZ-GARRIDO, María Pilar - MEDINA-TRILLO, Cristina - MORALES-FERNÁNDEZ, Laura - GARCÍA-FEIJÓO, Julián - MARTÍNEZ-DE-LA-CASA, José María - GARCÍA-ANTÓN, Maite - ESCRIBANO, Julio. Null CYP1B1 genotypes in primary congenital and nondominant juvenile glaucoma. In *Ophthalmology*. ISSN 01616420, 2013-04-01, 120, 4, pp. 716-723., SCOPUS
- [1.2] LV, Xiaoping - ZHONG, Fangfang - TAN, Xiangshi. Cytochrome P450 2C8 and drug metabolism. In *Current Topics in Medicinal Chemistry*. ISSN 15680266, 2013-11-25, 13, 18, pp. 2241-2253., SCOPUS
- [1.2] PANTOJA MELENDEZ, Carlos - ALI, Manir Yusuf - ZENTENO, Juan Carlos. An epidemiological investigation of a Forkhead box protein E3 founder mutation underlying the high frequency of sclerocornea, aphakia, and microphthalmia in a Mexican village. In *Molecular Vision*, 2013-08-27, 19, pp. 1866-1870., SCOPUS
- [1.2] RAO, K.N. - NAGIREDDY, S. - CHAKRABARTI, S. Complex genetic mechanisms in glaucoma: An overview. In *Indian Journal of Ophthalmology*, 2011, vol.59, no.SUPPL. 1, s31-S42., SCOPUS

ADCA175 PLÁŠILOVÁ, Martina - FERÁKOVÁ, E. - POLÁKOVÁ, Helena - KÁDAŠI, Ľudevít - GERINEC, A. - OTT, J. - FERAČ, V. Linkage of autosomal recessive primary congenital glaucoma to the GLC3A locus in Roms (Gypsies) from Slovakia. In *Human Heredit*, 1998, vol. 48, iss. 1, p. 30-33. ISSN 0001-5652.

Ohlasy:

- [1.1] GEYER, O. - WOLF, A. - LEVINGER, E. - HARARI-SHACHAM, A. - WALTON, D.S. - SHOCHAT, C. - KOREM, S. - BERCOVICH, D. Genotype/Phenotype Correlation in Primary Congenital Glaucoma Patients From Different Ethnic Groups of the Israeli Population. In *AMERICAN JOURNAL OF OPHTHALMOLOGY*. ISSN 0002-9394, FEB 2011, vol. 151, no. 2, p. 263-271., WOS
- [1.1] LIM, Sing-Hui - KHANH-NHAT TRAN-VIET - YANOVITCH, Tammy L. - FREEDMAN, Sharon F. - KLEMM, Thomas - CALL, Whitney -

POWELL, Caldwell - RAVICHANDRAN, Ajay - METLAPALLY, Ravikanth - NADING, Erica B. - ROZEN, Steve - YOUNG, Terri L. CYP1B1, MYOC, and LTBP2 Mutations in Primary Congenital Glaucoma Patients in the United States. In AMERICAN JOURNAL OF OPHTHALMOLOGY. ISSN 0002-9394, 2013, vol. 155, no. 3, pp. 508., WOS

[1.1] MENDIZABAL, Isabel - LAO, Oscar - MARIGORTA, Urko M. - KAYSER, Manfred - COMAS, David. Implications of Population History of European Romani on Genetic Susceptibility to Disease. In HUMAN HEREDITY. ISSN 0001-5652, 2013, vol. 76, no. 3-4, pp. 194., WOS

[1.1] THUMANN, Gabriele. Prospectives for Gene Therapy of Retinal Degenerations. In CURRENT GENOMICS. ISSN 1389-2029, 2012, vol. 13, no. 5, pp. 350., WOS

[1.2] FAIQ, Muneeb Ahmad - SHARMA, Reetika K. - DADA, Rima - MOHANTY, Kuldeep - SALUJA, Daman - DADA, Tanuj. Genetic, biochemical and clinical insights into primary congenital glaucoma. In Journal of Current Glaucoma Practice. ISSN 09740333, 2013-01-01, 7, 2, pp. 66-84., SCOPUS

[1.2] KAUR, K. - MANDAL, A.K. - CHAKRABARTI, S. Primary congenital glaucoma and the involvement of CYP1B1. In Middle East African Journal of Ophthalmology, 2011, vol.18, no.1, 7-16., SCOPUS

[1.2] LIU, Yutao - ALLINGHAM, Rand Rand. Glaucoma. In Genomic and Personalized Medicine, 2013-08-29, 2, pp. 1082-1094., SCOPUS

ADCA176 POHORECKY, L. A. - BLAKLEY, G. G. - KUBOVČÁKOVÁ, Lucia - KRIŽANOVÁ, Oľga - PATTERSON-BUCKENDAHL, P. E. - KVETŇANSKÝ, Richard. Social hierarchy affects gene expression for catecholamine biosynthetic enzymes in rat adrenal glands. In *Neuroendocrinology*, 2004, vol. 80, no. 1, p. 42-51. ISSN 0172-780X.

Ohlasy:

[1.1] ONG, Lin Kooi - BOBROVSKAYA, Larisa - WALKER, Frederick R. - DAY, Trevor A. - DICKSON, Phillip W. - DUNKLEY, Peter R. The Effect of Social Defeat on Tyrosine Hydroxylase Phosphorylation in the Rat Brain and Adrenal Gland. In NEUROCHEMICAL RESEARCH, 2011, vol.36, no.1, 27., WOS

[1.2] MAZZOLA, Priscila Nicolao - KARIKAS, George Albert - SCHULPIS, Kleopatra H. - DUTRA-FILHO, Carlos Severo Dutra. Antioxidant treatment strategies for hyperphenylalaninemia. In Metabolic Brain Disease. ISSN 08857490, 2013, vol. 28, no. 4, pp. 541-550., SCOPUS

ADCA177 POLÁK, Emil - FICEK, Andrej - RADVÁNSZKY, Ján - ŠOLTÝSOVÁ, Andrea - URGE, O. - CMELOVÁ, Eleonora - KANTARSKÁ, Dana - KÁDAŠI, Ľudevít. Phenylalanine hydroxylase deficiency in the Slovak population: Genotype-phenotype correlations and genotype-based predictions of BH4-responsiveness. In *Gene*, 2013, vol. 526, no. 2, p. 347-355. (2.196 - IF2012). (2013 - Current Contents). ISSN 0378-1119. ITMS 26240220058, ITMS 26240220071, UK grant no. 313/2009.

Ohlasy:

[1.1] BLAU, Nenad - SHEN, Nan - CARDUCCI, Carla. Molecular genetics and diagnosis of phenylketonuria: state of the art. In EXPERT REVIEW OF MOLECULAR DIAGNOSTICS. ISSN 1473-7159, 2014, vol. 14, no. 6, pp. 655., WOS

ADCA178 POLÁKOVÁ, Eva - ZAHRADNÍKOVÁ, Alexandra, ml. - PAVELKOVÁ, Jana - ZAHRADNÍK, Ivan - ZAHRADNÍKOVÁ, Alexandra. Local calcium release activation by DHPR calcium channel openings in rat cardiac myocytes. In *Journal of Physiology*, 2008, vol. 586, iss. 16, p. 3839-3854. (4.580 - IF2007). (2008 - Current Contents). ISSN 0022-3751.

Ohlasy:

[1.1] COSTA, V. M. - CARVALHO, F. - BASTOS, M. L. - CARVALHO, R. A. - CARVALHO, M. - REMIAO, F. Contribution of Catecholamine Reactive Intermediates and Oxidative Stress to the Pathologic Features of Heart Diseases. In *CURRENT MEDICINAL CHEMISTRY*, 2011, vol.18, no.15, 2272., WOS

[1.1] GARALIENE, Vida - BARSYS, Vygantas - MACYS, Antanas - VIGANTE, Brigita - KRAUZE, Aivars. Effect of 4-aryl-2-methyl-5-nitro-1,4-dihydropyridine-3-carboxylates on the guinea pig papillary muscle and isolated human vena saphena magna that is used for coronary artery bypass grafting. In *EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY*, 2011, vol.46, no.9, 4441., WOS

[1.1] GOLDHABER, Joshua I. - PHILIPSON, Kenneth D. - ANNUNZIATO, L. Cardiac Sodium-Calcium Exchange and Efficient Excitation-Contraction Coupling: Implications for Heart Disease. In *SODIUM CALCIUM EXCHANGE: A GROWING SPECTRUM OF PATHOPHYSIOLOGICAL IMPLICATIONS*. ISSN 0065-2598, 2013, vol. 961, no., pp. 355., WOS

[1.1] HEINZEL, Frank R. - MACQUAIDE, Niall - BIESMANS, Liesbeth - SIPIDO, Karin. Dyssynchrony of Ca²⁺ release from the sarcoplasmic reticulum as subcellular mechanism of cardiac contractile dysfunction. In *JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY*, 2011, vol.50, no.3, 390., WOS

[1.1] MACQUAIDE, Niall - SIPIDO, Karin R. Blink and You' See It How to Detect Ca²⁺ Quarks. In *CIRCULATION RESEARCH*, 2011, vol.108, no.2, 154., WOS

[1.1] TADROSS, Michael R. - TSIEN, Richard W. - YUE, David T. Ca²⁺ channel nanodomains boost local Ca²⁺ amplitude. In *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*. ISSN 0027-8424, 2013, vol. 110, no. 39, pp. 15794., WOS

[1.1] TER KEURS, Henk E. D. J. - DHALLA, NS - NAGANO, M - OSTADAL, B. Macroscopic and Microscopic Aspects of Cardiac Dysfunction in Congestive Heart Failure. In *MOLECULAR DEFECTS IN CARDIOVASCULAR DISEASE*, 2011, vol., no., 95., WOS

[1.1] TORRES, Natalia S. - SACHSE, Frank B. - IZU, Leighton T. - GOLDHABER, Joshua I. - SPITZER, Kenneth W. - BRIDGE, John H. A modified local control model for Ca²⁺ transients in cardiomyocytes: Junctional flux is accompanied by release from adjacent non-junctional RyRs. In *JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY*. ISSN 0022-2828, 2014, vol. 68, no., pp. 1., WOS

[1.1] WILLIAMS, George S. B. - CHIKANDO, Aristide C. - TUAN, Hoang-Trong M. - SOBIE, Eric A. - LEDERER, W. J. - JAFRI, M. Saleet. Dynamics of Calcium Sparks and Calcium Leak in the Heart. In *BIOPHYSICAL JOURNAL*, 2011, vol.101, no.6, 1287., WOS

[1.1] ZHANG, Cuicui - MO, Miaohua - DING, Wenwen - LIU, Wenjuan -

YAN, Dewen - DENG, Jianxin - LUO, Xinping - LIU, Jie. High-mobility group box 1 (HMGB1) impaired cardiac excitation-contraction coupling by enhancing the sarcoplasmic reticulum (SR) Ca²⁺ leak through TLR4-ROS signaling in cardiomyocytes. In JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY. ISSN 0022-2828, 2014, vol. 74, no., pp. 260., WOS

[1.2] DENG, J. - LIU, W. - WANG, Y. - DONG, M. - ZHENG, M. - LIU, J. Polydatin modulates Ca²⁺ handling, excitation-contraction coupling and β -adrenergic signaling in rat ventricular myocytes. In Journal of Molecular and Cellular Cardiology, 2012, 53, 5, pp. 646-656., SCOPUS

[1.2] KEKENES-HUSKEY, P.M. - CHENG, Y. - HAKE, J.E. - SACHSE, F.B. - BRIDGE, J.H. - HOLST, M.J. - MCCAMMON, J.A. - MCCULLOCH, A.D. - MICHAILOVA, A.P. Modeling effects of L-type Ca²⁺ current and Na⁺-Ca²⁺. In Frontiers in Physiology, 2012, 3 SEP, pp., SCOPUS

[1.2] KHODABUKUS, A. - BAAR, K. Defined electrical stimulation emphasizing excitability for the development and testing of engineered skeletal muscle. In Tissue Engineering Part C: Methods, 2012, 18, 5, pp. 349-357., SCOPUS

[1.2] SCHENDEL, T. - THUL, R. - SNEYD, J. - FALCKE, M. How does the ryanodine receptor in the ventricular myocyte wake up: By a single or by multiple open L-type Ca²⁺ channels? In European Biophysics Journal, 2012, 41, 1, pp. 27-39., SCOPUS

[1.2] TER KEURS, Henk E D J. Electromechanical coupling in the cardiac myocyte; Stretch-arrhythmia feedback. In Pflugers Archiv European Journal of Physiology. ISSN 00316768, 2011-07-01, 462, 1, pp. 165-175., SCOPUS

[1.2] TER KEURS, H.E.D.J. The interaction of Ca²⁺ with sarcomeric proteins: Role in function and dysfunction of the heart. In American Journal of Physiology Heart and Circulatory Physiology, 2012, 302, 1, pp. H38-H50., SCOPUS

ADCA179 POLÁKOVÁ, Helena - KÁDAŠI, Ľudevít - FILOVÁ, A. Factor VIII gene inversions in haemophilia A patients of Slovakia. In *Human Heredit*, 1998, vol. 48, iss. 1, p. 34-37. ISSN 0001-5652.

Ohlasy:

[1.1] ROOZAFZAY, Narges - KOKABEE, Leila - ZEINALI, Sirous - KARIMIPOOR, Morteza. Evaluation of intron 22 and intron 1 inversions of the factor 8 gene using an inverse shifting PCR method in severe haemophilia A patients. In SCIENCEASIA. ISSN 1513-1874, 2013, vol. 39, no. 2, pp. 174., WOS

ADCA180 POURMAND, N. - KARHÁNEK, Miloslav - PERSSON, H. H. J. - WEBB, C. D. - LEE, T. H. - ZAHRADNÍKOVÁ, Alexandra - DAVIS, R. W. Direct electrical detection of DNA synthesis. In *Proceedings of the National Academy of Sciences of the United States of America*, 2006, vol. 103, issue 17, p. 6466-6470. (10.231 - IF2005). (2006 - Current Contents).

Ohlasy:

[1.1] AHMADIAN, A. - SVAHN, H.A. Massively parallel sequencing platforms using lab on a chip technologies. In LAB ON A CHIP. ISSN 1473-0197, 2011, vol. 11, no. 16, p. 2653-2655., WOS

[1.1] AHN, Jinhong - KIM, Seok Hyang - WOO, Jun-Myung - PARK, Young June. Comparative Analysis of Electrical Detection Methods of DNA

Synthesis. In JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY. ISSN 1533-4880, 2012, vol. 12, no. 7, pp. 5125., WOS

[1.1] COOLEN, Marcel W. - CLARK, Susan J. Genome-wide DNA Methylation Analysis. In EPIGENETICS: A REFERENCE MANUAL, 2011, vol., no., pp. 371., WOS

[1.1] CRESCENTINI, Marco - BENNATI, Marco - CARMINATI, Marco - TARTAGNI, Marco. Noise Limits of CMOS Current Interfaces for Biosensors: A Review. In IEEE TRANSACTIONS ON BIOMEDICAL CIRCUITS AND SYSTEMS. ISSN 1932-4545, 2014, vol. 8, no. 2, pp. 278., WOS

[1.1] EARL, D. - BRADNAM, K. - ST JOHN, J. - DARLING, A. - LIN, D.W. - FASS, J. - HUNG, O.K.Y. - BUFFALO, V. - ZERBINO, D.R. - DIEKHANS, M. - NGUYEN, N. - ARIYARATNE, P.N. - SUNG, W.K. - NING, Z.M. - HAIMEL, M. - SIMPSON, J.T. - FONSECA, N.A. - BIROL, I. - DOCKING, T.R. - HO, I.Y. - ROKHSAR, D.S. - CHIKHI, R. - LAVENIER, D. - CHAPUIS, G. - NAQUIN, D. - MAILLET, N. - SCHATZ, M.C. - KELLEY, D.R. - PHILLIPPY, A.M. - KOREN, S. - YANG, S.P. - WU, W. - CHOU, W.C. - SRIVASTAVA, A. - SHAW, T.I. - RUBY, J.G. - SKEWES-COX, P. - BETEGON, M. - DIMON, M.T. - SOLOVYEV, V. - SELEDTSOV, I. - KOSAREV, P. - VOROBYEV, D. - RAMIREZ-GONZALEZ, R. - LEGGETT, R. - MACLEAN, D. - XIA, F.F. - LUO, R.B. - LI, Z.Y. - XIE, Y.L. - LIU, B.H. - GNERRE, S. - MACCALLUM, I. - PRZYBYLSKI, D. - RIBEIRO, F.J. - YIN, S.Y. - SHARPE, T. - HALL, G. - KERSEY, P.J. - DURBIN, R. - JACKMAN, S.D. - CHAPMAN, J.A. - HUANG, X.Q. - DERISI, J.L. - CACCAMO, M. - LI, Y.R. - JAFFE, D.B. - GREEN, R.E. - HAUSSLER, D. - KORF, I. - PATEN, B. Assemblathon 1: A competitive assessment of de novo short read assembly methods. In GENOME RESEARCH. ISSN 1088-9051, DEC 2011, vol. 21, no. 12, p. 2224-2241., WOS

[1.1] EBRAHIMI, A. - DAK, P. - SALM, E. - GARIMELLA, S.V. - BASHIR, R. - ALAM, M.A. Nanotextured superhydrophobic electrodes enable detection of attomolar-scale DNA concentration within a droplet by non-faradaic impedance spectroscopy. In LAB ON A CHIP. 2013, vol. 13, p. 4248-4256., WOS

[1.1] FANG, C. - JI, H.M. - KAREN, W.Y. - RAFEI, S.R.M. Electrochemical detection of oligonucleotide by attaching redox probes onto its backbone. In BIOSENSORS & BIOELECTRONICS. ISSN 0956-5663, JAN 15 2011, vol. 26, no. 5, p. 2670-2674., WOS

[1.1] GALATENKO, V.V. - LEBEDEV, A.E. - NIKOLAEV, V.K. - TONEVITSKY, E.A. - TONEVITSKY, A.G. A method for detection of chimerical sequences and correction of errors in flowgrams during genome sequencing. In BIOTEKHNOLOGIYA. 2013, p. 78-90, WOS

[1.1] GO, J. - ALAM, M.A. The future scalability of pH-based genome sequencers: A thorerical perspective. In JOURNAL OF APPLIED PHYSICS. 2013, vol. 114, iss. 16, article number 164311, WOS

[1.1] HASSAN, S. M. - VOSSEN, R. H. A. M. - CHESSA, R. - DEN DUNNEN, J. T. - BAKKER, E. - GIORDANO, Pc - HARTEVELD, C. L. Molecular diagnostics of the HBB gene in an Omani cohort using bench-top DNA Ion Torrent PGM technology. In BLOOD CELLS MOLECULES AND DISEASES. ISSN 1079-9796, 2014, vol. 53, no. 3, pp. 133., WOS

[1.1] JONES, I.L. - LIVI, P. - LEWANDOWSKA, M.K. - FISCELLA, M. - ROSCIC, B. - HIERLEMANN, A. The potential of microelectrode arrays and

microelectronics for biomedical research and diagnostics. In ANALYTICAL AND BIOANALYTICAL CHEMISTRY. ISSN 1618-2642, MAR 2011, vol. 399, no. 7, p. 2313-2329., WOS

[1.1] KRUEGER, F. - CLARE, E. L. - GREIF, S. - SIEMERS, B. M. - SYMONDSON, W. O. C. - SOMMER, R. S. An integrative approach to detect subtle trophic niche differentiation in the sympatric trawling bat species *Myotis dasycneme* and *Myotis daubentonii*. In MOLECULAR ECOLOGY. ISSN 0962-1083, 2014, vol. 23, no. 15, pp. 3657., WOS

[1.1] LINDSAY, Stuart. Biochemistry and semiconductor electronics-the next big hit for silicon? In JOURNAL OF PHYSICS-CONDENSED MATTER. ISSN 0953-8984, 2012, vol. 24, no. 16, pp., WOS

[1.1] MAHDAVI, M. - SAMAEIAN, A. - HAJMIRZAHEYDARALI, M. - SHAHMOHAMMADI, M. - MOHAJERZADEH, S. - MALBOOBI, M. A. Label-free detection of DNA hybridization using a porous poly-Si ion-sensitive field effect transistor. In RSC ADVANCES. ISSN 2046-2069, 2014, vol. 4, no. 69, pp. 36854., WOS

[1.1] NISHIDA, Hirokazu - TAKAHASHI, Kiyofumi - TABUSE, Yuki - KAMBARA, Hideki - SAKATA, Toshiya. Real-time monitoring of voltage shift based on enzymatically released pyrophosphate using phenylboronic acid-immobilized gate field-effect transistor. In JAPANESE JOURNAL OF APPLIED PHYSICS. ISSN 0021-4922, 2014, vol. 53, no. 4, pp., WOS

[1.1] ROBISON, K. Semiconductors charge into sequencing. In NATURE BIOTECHNOLOGY. ISSN 1087-0156, SEP 2011, vol. 29, no. 9, p. 805-807., WOS

[1.1] ROTHBERG, J.M. - HINZ, W. - REARICK, T.M. - SCHULTZ, J. - MILESKE, W. - DAVEY, M. - LEAMON, J.H. - JOHNSON, K. - MILGREW, M.J. - EDWARDS, M. - HOON, J. - SIMONS, J.F. - MARRAN, D. - MYERS, J.W. - DAVIDSON, J.F. - BRANTING, A. - NOBILE, J.R. - PUC, B.P. - LIGHT, D. - CLARK, T.A. - HUBER, M. - BRANCIFORTE, J.T. - STONER, I.B. - CAWLEY, S.E. - LYONS, M. - FU, Y.T. - HOMER, N. - SEDOVA, M. - MIAO, X. - REED, B. - SABINA, J. - FEIERSTEIN, E. - SCHORN, M. - ALANJARY, M. - DIMALANTA, E. - DRESSMAN, D. - KASINSKAS, R. - SOKOLSKY, T. - FIDANZA, J.A. - NAMSARAEV, E. - MCKERNAN, K.J. - WILLIAMS, A. - ROTH, G.T. - BUSTILLO, J. An integrated semiconductor device enabling non-optical genome sequencing. In NATURE. ISSN 0028-0836, JUL 21 2011, vol. 475, no. 7356, p. 348-352., WOS

[1.1] SAMUEL, N. - HUDSON, T. J. Translating genomics to the clinic: Implication of cancer heterogeneity. In CLINICAL CHEMISTRY. 2013, vol. 59, p. 127-137, WOS

[1.1] SCHWEIGER, M.R. - KERICK, M. - TIMMERMANN, B. - ISAU, M. The power of NGS technologies to delineate the genome organization in cancer: from mutations to structural variations and epigenetic alterations. In CANCER AND METASTASIS REVIEWS. ISSN 0167-7659, JUN 2011, vol. 30, no. 2, p. 199-210., WOS

[1.1] STAHL, Patrik L. - LUNDEBERG, Joakim - KORNBERG, RD. Toward the Single-Hour High-Quality Genome. In ANNUAL REVIEW OF BIOCHEMISTRY, VOL 81. ISSN 0066-4154, 2012, vol. 81, no., pp. 359., WOS

[1.1] STRANNEHEIM, Henrik - LUNDEBERG, Joakim. Stepping stones in DNA sequencing. In BIOTECHNOLOGY JOURNAL. ISSN 1860-6768, 2012, vol. 7, no. 9, pp., WOS

- [1.1] SUN, Z.Y. - QIANG, W.B. - LI, H. - HAO, N. - XU, D.K. - CHEN, H.Y. Electric detection of DNA with PDMS microgap electrodes and silver nanoparticles. In ANALYST. ISSN 0003-2654, 2011, vol. 136, no. 3, p. 540-544., WOS
- [1.1] TOUMAZOZU, C. - SHEPHERD, L.M. - REED, S. C. - CHEN, G.I. - PATEL, A. - GARNER, D. M. - WANG, C.J.A. - OU, C.P. - AMIN-DESAI, K. - ATHANASIO, P. - BAI, H. - BRIZIDO, I.M.Q. - CALDWELL, B. - COOMBER-ALFORD, D. - GEORGIOU, P. - JORDAN, K. S. - JOYCE, J. C. - LA MURA, M. - MORLEY, D. - SATHYVRUTHAN, S. - TEMELSO, S. - THOMAS, R.E. - ZHANG, L. Simultaneous DNA amplification and detection using a pH-sensing semiconductor system. In NATURE METHODS. 2013, vol.10, p. 641-646 -, WOS
- [1.1] XU, Zhi - HUO, Xinying - TANG, Chuanning - YE, Hua - NANDAKUMAR, Vijayalakshmi - LOU, Feng - ZHANG, Dandan - JIANG, Shouwen - SUN, Hong - DONG, Haichao - ZHANG, Guangchun - LIU, Zhiyuan - DONG, Zhishou - GUO, Baishuai - YAN, He - YAN, Chaowei - WANG, Lu - SU, Ziyi - LI, Yangyang - GU, Dongying - ZHANG, Xiaojing - WU, Xiaomin - WEI, Xiaowei - HONG, Lingzhi - ZHANG, Yangmei - YANG, Jinsong - GONG, Yonglin - TANG, Cuiju - JONES, Lindsey - HUANG, Xue F. - CHEN, Si-Yi - CHEN, Jinfei. Frequent KIT Mutations in Human Gastrointestinal Stromal Tumors. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2014, vol. 4, no., pp., WOS
- [1.1] XU, Zhi - HUO, Xinying - YE, Hua - TANG, Chuanning - NANDAKUMAR, Vijayalakshmi - LOU, Feng - ZHANG, Dandan - DONG, Haichao - SUN, Hong - JIANG, Shouwen - ZHANG, Guangchun - LIU, Zhiyuan - DONG, Zhishou - GUO, Baishuai - HE, Yan - YAN, Chaowei - WANG, Lu - SU, Ziyi - LI, Yangyang - GU, Dongying - ZHANG, Xiaojing - WU, Xiaomin - WEI, Xiaowei - HONG, Lingzhi - ZHANG, Yangmei - YANG, Jinsong - GONG, Yonglin - TANG, Cuiju - JONES, Lindsey - HUANG, Xue F. - CHEN, Si-Yi - CHEN, Jinfei. Genetic Mutation Analysis of Human Gastric Adenocarcinomas Using Ion Torrent Sequencing Platform. In PLOS ONE. ISSN 1932-6203, 2014, vol. 9, no. 7, pp., WOS
- [1.2] ELLIOTT, A.M. - RADECKI, J. - MOGHIS, B. - LI, X. - KAMMESHEIDT, A. Rapid detection of the ACMG/ACOG-recommended 23 CFTR disease-causing mutations using ion torrent semiconductor sequencing. In JOURNAL OF BIOMOLECULAR TECHNIQUES. 2012, vol. 23, p. 24-30, SCOPUS

ADCA181 PROKS, Peter - ELLIASON, L. - AMMALA, C. - RORSMAN, P. - ASHCROFT, F. M. Ca²⁺- and GTP-dependent exocytosis in mouse pancreatic beta-cells involves both common and distinct steps. In *Journal of Physiology : A publication of the Physiological Society*, 1996, vol. 496, no. 1, p. 255-264. (4.327 - IF1995). (1996 - Current Contents). ISSN 0022-3751.

Ohlasy:

- [1.1] CHENG, K. - ANDRIKOPOULOS, S. - GUNTUN, J. E. First Phase Insulin Secretion and Type 2 Diabetes. In CURRENT MOLECULAR MEDICINE. ISSN 1566-5240, 2013, vol. 13, no. 1, pp. 126., WOS
- [1.1] JORGACEVSKI, Jernej - KREFT, Marko - VARDJAN, Nina - ZOREC, Robert. Fusion pore regulation in peptidergic vesicles. In CELL CALCIUM. ISSN 0143-4160, 2012, vol. 52, no. 3-4, pp. 270., WOS

- [1.1] KOMAI, Ali M. - BRANNMARK, Cecilia - MUSOVIC, Saliha - OLOFSSON, Charlotta S. PKA-independent cAMP stimulation of white adipocyte exocytosis and adipokine secretion: modulations by Ca²⁺ and ATP. In JOURNAL OF PHYSIOLOGY-LONDON. ISSN 0022-3751, 2014, vol. 592, no. 23, pp. 5169., WOS
- [1.1] PEDERSEN, Morten Gram - CORTESE, Giuliana - ELIASSON, Lena. Mathematical modeling and statistical analysis of calcium-regulated insulin granule exocytosis in beta-cells from mice and humans. In PROGRESS IN BIOPHYSICS & MOLECULAR BIOLOGY. ISSN 0079-6107, 2011, vol. 107, no. 2, pp. 257., WOS
- [1.1] XIE, Li - ZHU, Dan - KANG, Youhou - LIANG, Tao - HE, Yu - GAISANO, Herbert Y. Exocyst Sec5 Regulates Exocytosis of Newcomer Insulin Granules Underlying Biphasic Insulin Secretion. In PLOS ONE. ISSN 1932-6203, 2013, vol. 8, no. 7, pp., WOS
- [1.2] Chen, H. Z. - Wang, X. - Li, F. Y. - Nie, A. F. - Liu, Y. - Li, G. - Luo, M. Role of JAK2/STAT5 pathway in adaptation of pancreatic islets to pregnancy. In Journal of Shanghai Jiaotong University (Medical Science), 2012, vol. 32, pp. 555-559, SCOPUS

ADCA182 PROKS, Peter - ASHCROFT, F.M. EFFECTS OF DIVALENT-CATIONS ON EXOCYTOSIS AND ENDOCYTOSIS FROM SINGLE-MOUSE PANCREATIC BETA-CELLS. In *J.Physiol.(London)*, 1995, vol. 487, p. 465-477.

Ohlasy:

- [1.1] MOURAD, NI. - NENQUIN, M. - HENQUIN, JC. Metabolic amplification of insulin secretion by glucose is independent of beta-cell microtubules. IN AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY. 2011, vol. 300, no. 3, p. C697-C706, WOS
- [1.1] STRAUB, Susanne G. - SHARP, Geoffrey W. G. Evolving insights regarding mechanisms for the inhibition of insulin release by norepinephrine and heterotrimeric G proteins. In AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY. ISSN 0363-6143, 2012, vol. 302, no. 12, pp. C1687., WOS
- [1.1] YU, Kuai - ZHU, Jinjiu - QU, Zhiqiang - CUI, Yuan-Yuan - HARTZELL, H. Criss. Activation of the Ano1 (TMEM16A) chloride channel by calcium is not mediated by calmodulin. In JOURNAL OF GENERAL PHYSIOLOGY. ISSN 0022-1295, 2014, vol. 143, no. 2, pp. 253., WOS

ADCA183 PROKS, Peter - TREINIES, I. - MEST, H.R. - TRAPP, S. Inhibition of recombinant K-ATP channels by the antidiabetic agents midaglizole, LY397364 and LY389382. In *European Journal of Pharmacology*, 2002, vol. 452, no.1, p. 11-19. ISSN 0014-2999.

Ohlasy:

- [1.1] ABDELMONEIM, A. S. - HASENBANK, S. E. - SEUBERT, J. M. - BROCKS, D. R. - LIGHT, P. E. - SIMPSON, S. H. Variations in tissue selectivity amongst insulin secretagogues: a systematic review. In DIABETES OBESITY & METABOLISM. ISSN 1462-8902, 2012, vol. 14, no. 2, pp. 130., WOS
- [1.2] VIVAUDOU, Michel - MOREAU, Christophe - TERZIC, Andre. ATP-sensitive K⁺ channels. In Ion Channels: From Structure to Function, 2012-03-22, pp., SCOPUS

ADCA184 PROKS, Peter - LIPPIAT, J. D. Membrane ion channels and diabetes. In *CURRENT PHARMACEUTICAL DESIGN*, 2006, vol. 12, issue 4, p. 485-501. ISSN 1381-6128.

Ohlasy:

[1.1] ANDRES, Marilou A. Glucose-sensitivity of the afterhyperpolarization potential: Role of SK1 channel in insulin-secreting cells. In *GENERAL AND COMPARATIVE ENDOCRINOLOGY*. ISSN 0016-6480, 2012, vol. 178, no. 3, pp. 459., WOS

[1.1] LI, Yang V. Zinc and insulin in pancreatic beta-cells. In *ENDOCRINE*. ISSN 1355-008X, 2014, vol. 45, no. 2, pp. 178., WOS

[1.1] SHELDON, Amanda L. - ZHANG, Jiaming - FEI, Hong - LEVITAN, Irwin B. SLOB, a SLOWPOKE Channel Binding Protein, Regulates Insulin Pathway Signaling and Metabolism in Drosophila. In *PLOS ONE*, 2011, vol.6, no.8., WOS

[1.1] SLEPCHENKO, Kira G. - JAMES, Calvin B. L. - LI, Yang V. Inhibitory effect of zinc on glucose-stimulated zinc/insulin secretion in an insulin-secreting cell line. In *EXPERIMENTAL PHYSIOLOGY*. ISSN 0958-0670, 2013, vol. 98, no. 8, pp. 1301., WOS

[1.1] WANG, Zhiguo. miRNA in the Regulation of Ion Channel/Transporter Expression. In *COMPREHENSIVE PHYSIOLOGY*. ISSN 2040-4603, 2013, vol. 3, no. 2, pp. 599., WOS

[1.1] ZHU, Tiehong - WANG, Yinxia - HE, Bingjun - ZANG, Jingjing - HE, Qing - ZHANG, Weihua. Islet amyloid polypeptide acts on glucose-stimulated beta cells to reduce voltage-gated calcium channel activation, intracellular Ca²⁺ concentration, and insulin secretion. In *DIABETES-METABOLISM RESEARCH AND REVIEWS*, 2011, vol.27, no.1, 28., WOS

[1.2] JENSTAD, Monica - CHAUDHRY, Farrukh Abbas. The amino acid transporters of the glutamate/GABA-glutamine cycle and their impact on insulin and glucagon secretion. In *Frontiers in Endocrinology*, 2013-12-01, 4, dEC, pp., SCOPUS

ADCA185 PROKS, Peter - ASHCROFT, F. M. Phentolamine block of K-ATP channels is mediated by Kir6.2. In *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*, 1997, vol. 94, issue 21, p. 11716-11720. ISSN 0027-8424.

Ohlasy:

[1.1] EDWARDS, Lincoln P. - BROWN-BRYAN, Terry A. - MCLEAN, Lancelot - ERNSBERGER, Paul. Pharmacological Properties of the Central Antihypertensive Agent, Moxonidine. In *CARDIOVASCULAR THERAPEUTICS*. ISSN 1755-5914, 2012, vol. 30, no. 4, pp. 199., WOS

[1.1] KAWAHITO, Shinji - KAWANO, Takashi - KITAHATA, Hiroshi - OTO, Jun - TAKAHASHI, Akira - TAKAISHI, Kazumi - HARADA, Nagakatsu - NAKAGAWA, Tadahiko - KINOSHITA, Hiroyuki - AZMA, Toshiharu - NAKAYA, Yutaka - OSHITA, Shuzo. Molecular Mechanisms of the Inhibitory Effects of Clonidine on Vascular Adenosine Triphosphate-Sensitive Potassium Channels. In *ANESTHESIA AND ANALGESIA*, 2011, vol.113, no.6, 1374., WOS

[1.1] KAWANO, Takashi - YAMAZAKI, Fumimoto - CHI, Haidong - KAWAHITO, Shinji - EGUCHI, Satoru. Dexmedetomidine directly inhibits

vascular ATP-sensitive potassium channels. In LIFE SCIENCES. ISSN 0024-3205, 2012, vol. 90, no. 7-8, pp. 272., WOS

[1.1] LEHNER, Z. - STADLBAUER, K. - ADORJAN, I. - RUSTENBECK, I. - BELZ, M. - FENZL, A. - DE CILLIA, V. A. M. - GRUBER, D. - BAUER, L. - FROBEL, K. - BRUNMAIR, B. - LUGER, A. - FUERNISINN, C. Mechanisms of antihyperglycaemic action of efaroxan in mice: time for reappraisal of alpha(2A)-adrenergic antagonism in the treatment of type 2 diabetes? In DIABETOLOGIA. ISSN 0012-186X, 2012, vol. 55, no. 11, pp. 3071., WOS

[1.1] LOWRY, J. A. - BROWN, J. T. Significance of the imidazoline receptors in toxicology. In CLINICAL TOXICOLOGY. ISSN 1556-3650, 2014, vol. 52, no. 5, pp. 454., WOS

[1.1] NIKOLIC, Katarina - AGBABA, Danica. Pharmacophore Development and SAR Studies of Imidazoline Receptor Ligands. In MINI-REVIEWS IN MEDICINAL CHEMISTRY. ISSN 1389-5575, 2012, vol. 12, no. 14, pp. 1542., WOS

[1.1] NIKOLIC, Katarina - AGBABA, Danica. IMIDAZOLINE RECEPTORS LIGANDS. In HEMIJSKA INDUSTRIJA. ISSN 0367-598X, 2012, vol. 66, no. 5, pp. 619., WOS

[1.1] STADLBAUER, Karin - LEHNER, Zsuzsanna - STAMENKOVIC, Natasa - RUSTENBECK, Ingo - SURMAN, Lidia - LUGER, Anton - FUERNISINN, Clemens. Dissection of mechanisms that account for imidazoline-induced lowering of blood glucose in mice. In EUROPEAN JOURNAL OF PHARMACOLOGY. ISSN 0014-2999, 2014, vol. 741, no., pp. 178., WOS

[1.2] CHAPALAMADUGU, Kalyan - PANGULURI, Siva K. - MIRANDA, Aimon - SNEED, Kevin B. - TIPPARAJU, Srinivas M. Pharmacogenomics of cardiovascular complications in diabetes and obesity. In Recent Patents on Biotechnology. ISSN 18722083, 2014-01-01, 8, 2, pp. 123-135., SCOPUS

[1.2] VIVAUDOU, Michel - MOREAU, Christophe - TERZIC, Andre. ATP-sensitive K⁺ channels. In Ion Channels: From Structure to Function, 2012-03-22, pp., SCOPUS

[1.2] WILLENBORG, Michael - HATLAPATKA, Kathrin - GHALY, Hany - BELZ, Michael - PANTEN, Uwe - RUSTENBECK, Ingo. Studies of first phase insulin secretion using imposed plasma membrane depolarization. In Frontiers in Bioscience Scholar. ISSN 19450516, 2011-01-01, 3 S, 2, pp. 662-679., SCOPUS

ADCA186 QUINN, K.E. - CASTELLANI, L. - ONDRIAŠ, Karol - EHRLICH, B.E. Characterization of the ryanodine receptor/channel of invertebrate muscle. In *American Journal of Physiology-Regulatory Integrative and Comparative Physiology*, 1998, vol. 43, iss. 2, p. R494-R502. ISSN 0363-6119.

Ohlasy:

[1.2] MACKRILL, J.J. Ryanodine receptor calcium release channels: An evolutionary perspective. In *Advances in Experimental Medicine and Biology*, 2012, 740, pp. 159-182., SCOPUS

ADCA187 RADVÁNSZKY, Ján - BAZSALOVICSOVÁ, Eva - HROMADOVÁ, Ivica - MINÁRIK, G. - KÁDAŠI, Ľudevít. Development of high-resolution melting (HRM) analysis for population studies of *Fascioloides magna* (Trematoda: Fasciolidae), the giant liver fluke of ruminants. In *Parasitology Research*, 2011, vol. 108, no. 1, p. 201-209. (1.812 - IF2010). (2011 - Current Contents). ISSN 0932-0113.

Ohlasy:

- [1.1] CAVALLERO, S. - COSTA, A. - CARACAPPA, S. - GAMBETTA, B. - D'AMELIO, S. Putative hybrids between two *Anisakis* cryptic species: Molecular genotyping using High Resolution Melting. In *EXPERIMENTAL PARASITOLOGY*. ISSN 0014-4894, NOV 2014, vol. 146, p. 87-93., WOS
- [1.1] DEMELER, Janina - RAMUENKE, Sabrina - WOLKEN, Sonja - IANIELLO, Davide - RINALDI, Laura - GAHUTU, Jean Bosco - CRINGOLI, Giuseppe - VON SAMSON-HIMMELSTJERNA, Georg - KRUECKEN, Juergen. Discrimination of Gastrointestinal Nematode Eggs from Crude Fecal Egg Preparations by Inhibitor-Resistant Conventional and Real-Time PCR. In *PLOS ONE*. ISSN 1932-6203, 2013, vol. 8, no. 4, pp., WOS
- [1.1] HUNT, P. W. - LELLO, J. How to make DNA count: DNA-based diagnostic tools in veterinary parasitology. In *VETERINARY PARASITOLOGY*. ISSN 0304-4017, 2012, vol. 186, no. 1-2, pp. 101., WOS
- [1.1] NAEM, Soraya - BUDKE, Christine M. - CRAIG, Thomas M. Morphological characterization of adult *Fascioloides magna* (Trematoda: Fasciolidae): first SEM report. In *PARASITOLOGY RESEARCH*. ISSN 0932-0113, 2012, vol. 110, no. 2, pp. 971., WOS
- [1.1] NGUI, Romano - LIM, Yvonne A. L. - CHUA, Kek Heng. Rapid Detection and Identification of Human Hookworm Infections through High Resolution Melting (HRM) Analysis. In *PLOS ONE*. ISSN 1932-6203, 2012, vol. 7, no. 7, pp., WOS
- [1.1] SWISHER, Kylie D. - MUNYANEZA, Joseph E. - CROSSLIN, James M. Temporal and Spatial Analysis of Potato Psyllid Haplotypes in the United States. In *ENVIRONMENTAL ENTOMOLOGY*. ISSN 0046-225X, 2013, vol. 42, no. 2, pp. 381., WOS
- [1.2] KUSTER, C.J. - VON ELERT, E. High-resolution melting analysis: A genotyping tool for population studies on *Daphnia*. In *Molecular Ecology Resources*, 2012, 12, 6, pp. 1048-1057., SCOPUS
- [9] HIPPE, B. - ZWIELENHER, J. - PIRKER, A. - SMITH, W.M. - HASLBERGER, A.G. Detection and identification of Probiotic Microorganisms and other beneficial organisms from the human GI tract. In Lion, M.T. (Ed.) *Probiotics, genetics and Health Aspects (Microbiology Monographs)*. SPRINGER, 2011. ISBN 978-642-20837-9, p.57-85

ADCA188 RADVÁNSZKY, Ján - FICEK, Andrej - MINÁRIK, G. - PÁLFFY, Roland - KÁDAŠI, Ľudevít. Effect of Unexpected Sequence Interruptions to Conventional PCR and Repeat Primed PCR in Myotonic Dystrophy Type 1 Testing. In *Diagnostic Molecular Pathology*, 2011, vol. 20, iss. 1, p. 48-51. (2.129 - IF2010). (2011 - Current Contents). ISSN 1052-9551.

Ohlasy:

- [1.1] ADDIS, Maria - SERRENTI, Marianna - MELONI, Cristiana - CAU, Milena - MELIS, Maria Antonietta. Triplet-Primed PCR Is More Sensitive than Southern Blotting-Long PCR for the Diagnosis of Myotonic Dystrophy Type 1. In *GENETIC TESTING AND MOLECULAR BIOMARKERS*. ISSN 1945-0265, 2012, vol. 16, no. 12, pp. 1428., WOS
- [1.1] JANG, J.H. - LEE, J. W. - CHO, E.H. - LEE, E.H. - KIM, J.W. - KI, C.S. Frequency of DMPK mutation carriers in Korean women of childbearing age. In *CLINICAL GENETICS*. ISSN 0009-9163, 2014, vol. 86, no. 4, pp. 398., WOS

- [1.1] KAMSTEEG, Erik-Jan - KRESS, Wolfram - CATALI, Claudio - HERTZ, Jens M. - WITSCH-BAUMGARTNER, Martina - BUCKLEY, Michael F. - VAN ENGELN, Bazi G. M. - SCHWARTZ, Marianne - SCHEFFER, Hans. Best practice guidelines and recommendations on the molecular diagnosis of myotonic dystrophy types 1 and 2. In EUROPEAN JOURNAL OF HUMAN GENETICS. ISSN 1018-4813, 2012, vol. 20, no. 12, pp. 1203., WOS
- [1.1] MARTINDALE, Joanne E. - SENECA, Sara - WIECZOREK, Stefan - SEQUEIROS, Jorge. Spinocerebellar ataxias: An example of the challenges associated with genetic databases for dynamic mutations. In HUMAN MUTATION. ISSN 1059-7794, 2012, vol. 33, no. 9, pp. 1359., WOS
- [1.1] PAVICEVIC, Dusanka Savic - MILADINOVIC, Jelena - BRKUSANIN, Milos - SVIKOVIC, Sasa - DJURICA, Svetlana - BRAJUSKOVIC, Goran - ROMAC, Stanka. Molecular Genetics and Genetic Testing in Myotonic Dystrophy Type 1. In BIOMED RESEARCH INTERNATIONAL. ISSN 2314-6133, 2013, vol., no., pp., WOS
- [1.1] SANTORO, Massimo - MASCIULLO, Marcella - PIETROBONO, Roberta - CONTE, Giulia - MODONI, Anna - BIANCHI, Maria Laura E. - RIZZO, Valentina - POMPONI, Maria Grazia - TASCA, Giorgio - NERI, Giovanni - SILVESTRI, Gabriella. Molecular, clinical, and muscle studies in myotonic dystrophy type 1 (DM1) associated with novel variant CCG expansions. In JOURNAL OF NEUROLOGY. ISSN 0340-5354, 2013, vol. 260, no. 5, pp. 1245., WOS
- [1.2] LI, Y. - DA, Y.-W. Detection for trinucleotide repeats in myotonic dystrophy type 1. In Chinese Journal of Medical Genetics, 2012, 29, 1, pp. 16-18., SCOPUS
- [1.2] SINGH, Susmita - ZHANG, Amy - DLOUHY, Stephen - BAI, Shaochun. Detection of large expansions in myotonic dystrophy type 1 using triplet primed PCR. In Frontiers in Genetics, 2014-01-01, 5, aPR, pp., SCOPUS

ADCA189 RADVÁNSZKY, Ján - RESKO, Peter - SUROVÝ, Milan - MINÁRIK, Gabriel - FICEK, Andrej - KÁDAŠI, Ľudevít. High-resolution melting analysis for genotyping of the myotonic dystrophy type 1 associated Alu insertion/deletion polymorphism. In *Analytical Biochemistry*, 2010, vol. 398, no.1, p.126-128. (3.287 - IF2009). (2010 - Current Contents). ISSN 0003-2697.

Ohlasy:

- [1.1] AFSHAR, Aghaei A. - RASSI, Y. - SHARIFI - VATANDOOST, H. - MOLLAIE, H. R. - OSHAGHI, M. A. - ABAI, M. R. - RAFIZADEH, S. First report on natural Leishmania infection of Phlebotomus sergenti due Leishmania tropica by high resolution melting curve method in South-eastern Iran. In ASIAN PACIFIC JOURNAL OF TROPICAL MEDICINE. ISSN 1995-7645, 2014, vol. 7, no. 2, pp. 93., WOS
- [1.1] ASARI, Masaru - OMURA, Tomohiro - OKA, Kumiko - MASEDA, Chikatoshi - TASAKI, Yoshikazu - SHIONO, Hiroshi - MATSUBARA, Kazuo - MATSUDA, Mitsuyoshi - SHIMIZU, Keiko. Multiplex PCR-based Alu insertion polymorphisms genotyping for identifying individuals of Japanese ethnicity. In GENOMICS. ISSN 0888-7543, 2012, vol. 99, no. 4, pp. 227., WOS
- [1.1] ER, Tze-Kiong - CHANG, Jan-Gowth. High-resolution melting: Applications in genetic disorders. In CLINICA CHIMICA ACTA. ISSN 0009-8981, 2012, vol. 414, no., pp. 197., WOS
- [1.1] NGUI, Romano - LIM, Yvonne A. L. - CHUA, Kek Heng. Rapid

Detection and Identification of Human Hookworm Infections through High Resolution Melting (HRM) Analysis. In PLOS ONE. ISSN 1932-6203, 2012, vol. 7, no. 7, pp., WOS

ADCA190 RADVÁNSZKY, Ján - FICEK, Andrej - KÁDAŠI, Ľudevít. Repeat-Primed Polymerase Chain reaction in Myotonic Dystrophy type 2 testing. In *Genetic Testing and Molecular Biomarkers*, 2011, vol. 15, iss. 3, p. 133-136. (0.879 - IF2010). (2011 - Current Contents). ISSN 1945-0265.

Ohlasy:

[1.1] KRYSA, Wioletta - RAJKIEWICZ, Marta - SULEK-PIATKOWSKA, Anna. Rapid detection of large expansions in progressive myoclonus epilepsy type 1, myotonic dystrophy type 2 and spinocerebellar ataxia type 8. In *NEUROLOGIA I NEUROCHIRURGIA POLSKA*. ISSN 0028-3843, 2012, vol. 46, no. 2, pp. 113., WOS

[1.1] LAING, Nigel G. Genetics of neuromuscular disorders. In *CRITICAL REVIEWS IN CLINICAL LABORATORY SCIENCES*. ISSN 1040-8363, 2012, vol. 49, no. 2, pp. 33., WOS

[1.1] LI MAO - WANG ZHANJUN - CUI FANG - YANG FEI - CHEN ZHAOHUI - LING LI - PU CHUANQIANG - HUANG XUSHENG.

Investigation of molecular diagnosis in Chinese patients with myotonic dystrophy type 1. In *CHINESE MEDICAL JOURNAL*. ISSN 0366-6999, 2014, vol. 127, no. 6, pp. 1084., WOS

[1.1] MARTINDALE, Joanne E. - SENECA, Sara - WIECZOREK, Stefan - SEQUEIROS, Jorge. Spinocerebellar ataxias: An example of the challenges associated with genetic databases for dynamic mutations. In *HUMAN MUTATION*. ISSN 1059-7794, 2012, vol. 33, no. 9, pp. 1359., WOS

ADCA191 RADVÁNSZKY, Ján - KÁDAŠI, Ľudevít. The Expanding World of Myotonic Dystrophies: How Can They Be Detected? In *Genetic Testing and Molecular Biomarkers*, 210, vol. 14 iss. 6, p. 733-741. ISSN 1945-0265.

Ohlasy:

[1.1] VAN BLITTERSWIJK, M. - DEJESUS-HERNANDEZ, M. - RADEMAKERS, R. How do C9ORF72 repeat expansions cause amyotrophic lateral sclerosis and frontotemporal dementia: Can we learn from other noncoding repeat expansion disorders? In *Current Opinion in Neurology*, 2012, vol 25, no. 6, p. 689-700, WOS

[1.2] COOPER-KNOCK, Johnathan - SHAW, Pamela J. - KIRBY, Janine. The widening spectrum of C9ORF72-related disease; Genotype/phenotype correlations and potential modifiers of clinical phenotype. In *Acta Neuropathologica*. ISSN 00016322, 2014-03-01, 127, 3, pp. 333-345., SCOPUS

[1.2] ORPANA, Arto K. - HO, Thohuu - ALAGRUND, Katariina - RIDANPÄÄ, Maaret - AITTOMÄKI, Kristiina A U - STENMAN, Jakob. Novel heat pulse extension-PCR-based method for detection of large CTG-repeat expansions in myotonic dystrophy type 1. In *Journal of Molecular Diagnostics*. ISSN 15251578, 2013-01-01, 15, 1, pp. 110-115., SCOPUS

[1.2] VAN BLITTERSWIJK, Marka - DEJESUS-HERNANDEZ, Mariely - NIEMANTSVERDIET, Ellis - MURRAY, Melissa E. - HECKMAN, Michael G. - DIEHL, Nancy N. - BROWN, Patricia H. - BAKER, Matt C. - FINCH, NiCole A. - BAUER, Peter O. - SERRANO, Geidy E. - BEACH, Thomas Gerald - JOSEPHS, Keith A. - KNOPMAN, David S. - PETERSEN, Ronald C. -

BOEVE, Bradley F. - GRAFF-RADFORD, Neill R. - BOYLAN, Kevin B. - PETRUCELLI, Leonard - DICKSON, Dennis W. - RADEMAKERS, Rosa. Association between repeat sizes and clinical and pathological characteristics in carriers of C9ORF72 repeat expansions (Xpansize-72): A cross-sectional cohort study. In *The Lancet Neurology*. ISSN 14744422, 2013-10-01, 12, 10, pp. 978-988., SCOPUS

ADCA192 RADVÁNSZKY, Ján - SUROVÝ, Milan - POLÁK, Emil - KÁDAŠI, Ľudevít. Uninterrupted CCTG tracts in the myotonic dystrophy type 2 associated locus. In *Neuromuscular Disorders : official journal of the World Muscle Society*, 2013, vol. 23, no. 7, p. 591-598. (3.464 - IF2012). (2013 - Current Contents). ISSN 0960-8966. ITMS 26240220071.

Ohlasy:

[1.1] HAGERMAN, Paul. Fragile X-associated tremor/ataxia syndrome (FXTAS): pathology and mechanisms. In *ACTA NEUROPATHOLOGICA*. ISSN 0001-6322, 2013, vol. 126, no. 1, pp. 1., WOS

ADCA193 RADVÁNSZKY, Ján - FICEK, Andrej - KÁDAŠI, Ľudevít. Upgrading molecular diagnostics of myotonic dystrophies: Multiplexing for simultaneous characterization of the DMPK and ZNF9 repeat motifs. In *Molecular and Cellular Probes*, 2011, vol. 25, p. 182-185. (1.869 - IF2010). (2011 - Current Contents). ISSN 0890-8508.

Ohlasy:

[1.1] ADDIS, Maria - SERRENTI, Marianna - MELONI, Cristiana - CAU, Milena - MELIS, Maria Antonietta. Triplet-Primed PCR Is More Sensitive than Southern Blotting-Long PCR for the Diagnosis of Myotonic Dystrophy Type1. In *GENETIC TESTING AND MOLECULAR BIOMARKERS*. ISSN 1945-0265, 2012, vol. 16, no. 12, pp. 1428., WOS

[1.1] BUSTIN, Stephen. Transparency of Reporting in Molecular Diagnostics. In *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*. ISSN 1422-0067, 2013, vol. 14, no. 8, pp. 15878., WOS

[1.1] NAKAYAMA, Takahiro - NAKAMURA, Harumasa - OYA, Yasushi - KIMURA, Takashi - IMAHUKU, Ichiro - OHNO, Kinji - NISHINO, Ichizo - ABE, Koji - MATSUURA, Tohru. Clinical and genetic analysis of the first known Asian family with myotonic dystrophy type 2. In *JOURNAL OF HUMAN GENETICS*. ISSN 1434-5161, 2014, vol. 59, no. 3, pp. 129., WOS

[1.1] PAVICEVIC, Dusanka Savic - MILADINOVIC, Jelena - BRKUSANIN, Milos - SVIKOVIC, Sasa - DJURICA, Svetlana - BRAJUSKOVIC, Goran - ROMAC, Stanka. Molecular Genetics and Genetic Testing in Myotonic Dystrophy Type 1. In *BIOMED RESEARCH INTERNATIONAL*. ISSN 2314-6133, 2013, vol., no., pp., WOS

[1.2] KUMAR, Ashok - AGARWAL, Sarita - PHADKE, Shubha R. - PRADHAN, Sunil. Application of a reliable and rapid polymerase chain reaction based method in the diagnosis of myotonic dystrophy type 1 (DM1) in India. In *Meta Gene*, 2014-01-01, 2, 1, pp. 106-113., SCOPUS

ADCA194 RAVINGEROVÁ, Táňa - SLEZÁK, Ján - TRIBULOVÁ, Narcis - DŽURBA, Andrej - UHRÍK, Branislav - ZIEGELHÖFFER, Attila. Free oxygen radicals contribute to high incidence of reperfusion-induced arrhythmias in isolated rat heart.

In *Life Sciences*, 1999, vol. 65, iss.18-19, p. 1927-1930. (1.937 - IF1998). (1999 - Current Contents). ISSN 0024-3205.

Ohlasy:

[1.1] GONG, Jun-Song - YAO, Yun-Tai - FANG, Neng-Xin - LI, Li-Huan. Sevoflurane postconditioning attenuates reperfusion-induced ventricular arrhythmias in isolated rat hearts exposed to ischemia/reperfusion injury. In *MOLECULAR BIOLOGY REPORTS*. ISSN 0301-4851, 2012, vol. 39, no. 6, pp. 6417., WOS

[1.2] ZHANG, Haining - MIN, Dongyu - FU, Mingyu - TIAN, Jing - WANG, Qingiven - AN, Xinjiang. Effects of astragalus and its active ingredients on ischemia reperfusion injury in isolated guinea-pig heart. In *Chinese Journal of Cardiology*. ISSN 02533758, 2014-01-01, 42, 9, pp. 759-764., SCOPUS

[2.1] PAULOVA, Hana - STRACINA, Tibor - JARKOVSKY, Jiri - NOVAKOVA, Marie - TABORSKA, Eva. Hydroxyl radicals' production and ECG parameters during ischemia and reperfusion in rat, guinea pig and rabbit isolated heart. In *GENERAL PHYSIOLOGY AND BIOPHYSICS*. ISSN 0231-5882, 2013, vol. 32, no. 2, pp. 221-228., WOS

[3.1] Li, Jian-guo - Meng, Zhuang-zhi - Liu, Hai-ying - Tian, Geng - Bi, Fu-long - Li, Di. Protective effect of Astragalus membranaceus polysaccharide on skeletal muscle ischemia-reperfusion injury. In *CHINESE JOURNAL OF TISSUE ENGINEERING RESEARCH*, vol. 16, no. 20 (2012), p. 3739-3741, google scholar

ADCA195 REIKEN, R. S. - LACAMPAQNE, A. - ZHOU, H. - KHERANI, A. - LEHNART, S. E. - WARD, C. - HUANG, F. - GABURJÁKOVÁ, Marta - GABURJÁKOVÁ, Jana - ROSEMBLIT, N. - WARREN, M. S. - HE, K. L. - YI, G. H. - WANG, J. - BURKHOFF, D. - VASSORT, G. - MARKS, A. R. PKA phosphorylation activates the calcium release channel (ryanodine receptor) in skeletal muscle: defective regulation in heart failure. In *Journal of Cell Biology*, 2003, vol.160, iss. 6, p. 919-928. ISSN 0021-9525.

Ohlasy:

[1.1] BARRIENTOS, Genaro C. - FENG, Wei - KIM TRUONG - MATTHAEI, Klaus I. - YANG, Tianzhong - ALLEN, Paul D. - LOPEZ, Jose R. - PESSAH, Isaac N. Gene Dose Influences Cellular and Calcium Channel Dysregulation in Heterozygous and Homozygous T4826I-RYR1 Malignant Hyperthermia-susceptible Muscle. In *JOURNAL OF BIOLOGICAL CHEMISTRY*. ISSN 0021-9258, 2012, vol. 287, no. 4, pp. 2863., WOS

[1.1] BATT, Jane - AHMED, Samar Shadly - CORREA, Judy - BAIN, Alexandra - GRANTON, John. Skeletal Muscle Dysfunction in Idiopathic Pulmonary Arterial Hypertension. In *AMERICAN JOURNAL OF RESPIRATORY CELL AND MOLECULAR BIOLOGY*. ISSN 1044-1549, 2014, vol. 50, no. 1, pp. 74., WOS

[1.1] COPP, Steven W. - HIRAI, Daniel M. - FERGUSON, Scott K. - HOLDSWORTH, Clark T. - MUSCH, Timothy I. - POOLE, David C. Effects of chronic heart failure on neuronal nitric oxide synthase-mediated control of microvascular O2 pressure in contracting rat skeletal muscle. In *JOURNAL OF PHYSIOLOGY-LONDON*. ISSN 0022-3751, 2012, vol. 590, no. 15, pp. 3585., WOS

[1.1] DUARTE, Thiago - MENEZES-RODRIGUES, Francisco Sandro - GODINHO, Rosely Oliveira. Contribution of the Extracellular cAMP-Adenosine

Pathway to Dual Coupling of beta(2)-Adrenoceptors to G(s) and G(i) Proteins in Mouse Skeletal Muscle. In JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS. ISSN 0022-3565, 2012, vol. 341, no. 3, pp. 820., WOS

[1.1] DULHUNTY, Angela F. - CASAROTTO, Marco G. - BEARD, Nicole A. The Ryanodine Receptor: A Pivotal Ca²⁺ Regulatory Protein and Potential Therapeutic Drug Target. In CURRENT DRUG TARGETS, 2011, vol.12, no.5, 709., WOS

[1.1] DUTKA, Travis L. - VERBURG, Esther - LARKINS, Noni - HORTEMO, Kristin H. - LUNDE, Per K. - SEJERSTED, Ole M. - LAMB, Graham D. ROS-Mediated Decline in Maximum Ca²⁺-Activated Force in Rat Skeletal Muscle Fibers following In Vitro and In Vivo Stimulation. In PLOS ONE. ISSN 1932-6203, 2012, vol. 7, no. 5, pp., WOS

[1.1] FENG, Wei - BARRIENTOS, Genaro C. - CHEREDNICHENKO, Gennady - YANG, Tianzhong - PADILLA, Isela T. - TRUONG, Kim - ALLEN, Paul D. - LOPEZ, Jose R. - PESSAH, Isaac N. Functional and Biochemical Properties of Ryanodine Receptor Type 1 Channels from Heterozygous R163C Malignant Hyperthermia-Susceptible Mice. In MOLECULAR PHARMACOLOGY, 2011, vol.79, no.3, 420., WOS

[1.1] HANSON, Martin Gartz - NISWANDER, Lee A. An explant muscle model to examine the refinement of the synaptic landscape. In JOURNAL OF NEUROSCIENCE METHODS. ISSN 0165-0270, 2014, vol. 238, no., pp. 95., WOS

[1.1] HORTEMO, Kristin Halvorsen - MUNKVIK, Morten - LUNDE, Per Kristian - SEJERSTED, Ole M. Multiple Causes of Fatigue during Shortening Contractions in Rat Slow Twitch Skeletal Muscle. In PLOS ONE. ISSN 1932-6203, 2013, vol. 8, no. 8, pp., WOS

[1.1] HWANG, Jean H. - ZORZATO, Francesco - CLARKE, Nigel F. - TREVES, Susan. Mapping domains and mutations on the skeletal muscle ryanodine receptor channel. In TRENDS IN MOLECULAR MEDICINE. ISSN 1471-4914, 2012, vol. 18, no. 11, pp. 644., WOS

[1.1] CHOU, Ming-Ting - LO, Shih-Hsiang - CHENG, Kai-Chun - LI, Yin-Xiao - CHEN, Li-Jen - CHENG, Juei-Tang. Activation of beta-Adrenoceptors by Dobutamine May Induce a Higher Expression of Peroxisome Proliferator-Activated Receptors delta (PPAR delta) in Neonatal Rat Cardiomyocytes. In SCIENTIFIC WORLD JOURNAL. ISSN 1537-744X, 2012, vol., no., pp., WOS

[1.1] KHO, Changwon - LEE, Ahyoung - HAJJAR, Roger J. Altered sarcoplasmic reticulum calcium cycling-targets for heart failure therapy. In NATURE REVIEWS CARDIOLOGY. ISSN 1759-5002, 2012, vol. 9, no. 12, pp. 717., WOS

[1.1] KRAEVA, Natasha - RIAZI, Sheila - LOKE, Julian - FRODIS, Wanda - CROSSAN, Mary Lou - NOLAN, Kevin - KRAEV, Alexander - MACLENNAN, David H. Ryanodine receptor type 1 gene mutations found in the Canadian malignant hyperthermia population. In CANADIAN JOURNAL OF ANESTHESIA-JOURNAL CANADIEN D ANESTHESIE, 2011, vol.58, no.6, 504., WOS

[1.1] LOCATELLI, Jamille - ASSIS, Leonardo V. M. de - ISOLDI, Mauro C. Calcium handling proteins: structure, function, and modulation by exercise. In HEART FAILURE REVIEWS. ISSN 1382-4147, 2014, vol. 19, no. 2, pp. 207.,

WOS

[1.1] LUECKE, C. - WEIWAD, M. Insights into Immunophilin Structure and Function. In CURRENT MEDICINAL CHEMISTRY, 2011, vol.18, no.35, 5333., WOS

[1.1] MEI, Yingwu - XU, Le - KRAMER, Henning F. - TOMBERLIN, Ginger H. - TOWNSEND, Claire - MEISSNER, Gerhard. Stabilization of the Skeletal Muscle Ryanodine Receptor Ion Channel-FKBP12 Complex by the 1,4-Benzothiazepine Derivative S107. In PLOS ONE. ISSN 1932-6203, 2013, vol. 8, no. 1, pp., WOS

[1.1] MEKAHLI, Djalila - BULTYNCK, Geert - PARYS, Jan B. - DE SMEDT, Humbert - MISSIAEN, Ludwig. Endoplasmic-Reticulum Calcium Depletion and Disease. In COLD SPRING HARBOR PERSPECTIVES IN BIOLOGY, 2011, vol.3, no.6., WOS

[1.1] MENEZES-RODRIGUES, Francisco Sandro - PIRES-OLIVEIRA, Marcelo - DUARTE, Thiago - PAREDES-GAMERO, Edgar Julian - CHIAVEGATTI, Tiago - GODINHO, Rosely Oliveira. Calcium influx through L-type channels attenuates skeletal muscle contraction via inhibition of adenylyl cyclases. In EUROPEAN JOURNAL OF PHARMACOLOGY. ISSN 0014-2999, 2013, vol. 720, no. 1-3, pp. 326., WOS

[1.1] MILLER, Mark S. - CALLAHAN, Damien M. - TOTH, Michael J. Skeletal muscle myofilament adaptations to aging, disease, and disuse and their effects on whole muscle performance in older adult humans. In FRONTIERS IN PHYSIOLOGY. ISSN 1664-042X, 2014, vol. 5, no., pp., WOS

[1.1] PORTA, Maura - DIAZ-SYLVESTER, Paula L. - NEUMANN, Jake T. - ESCOBAR, Ariel L. - FLEISCHER, Sidney - COPELLO, Julio A. Coupled gating of skeletal muscle ryanodine receptors is modulated by Ca²⁺, Mg²⁺, and ATP. In AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY. ISSN 0363-6143, 2012, vol. 303, no. 6, pp. C682., WOS

[1.1] REHN, T. A. - MUNKVIK, M. - LUNDE, P. K. - SJAASTAD, I. - SEJERSTED, O. M. Intrinsic skeletal muscle alterations in chronic heart failure patients: a disease-specific myopathy or a result of deconditioning? In HEART FAILURE REVIEWS. ISSN 1382-4147, 2012, vol. 17, no. 3, pp. 421., WOS

[1.1] RYAN, Timothy - SHARMA, Parveen - IGNATCHENKO, Alex - MACLENNAN, David H. - KISLINGER, Thomas - GRAMOLINI, Anthony O. Identification of Novel Ryanodine Receptor 1 (RyR1) Protein Interaction with Calcium Homeostasis Endoplasmic Reticulum Protein (CHERP). In JOURNAL OF BIOLOGICAL CHEMISTRY, 2011, vol.286, no.19, 17060., WOS

[1.1] SIRENKO, Syevda - YANG, Dongmei - LI, Yue - LYASHKOV, Alexey E. - LUKYANENKO, Yevgeniya O. - LAKATTA, Edward G. - VINOGRADOVA, Tatiana M. Ca²⁺-Dependent Phosphorylation of Ca²⁺ Cycling Proteins Generates Robust Rhythmic Local Ca²⁺ Releases in Cardiac Pacemaker Cells. In SCIENCE SIGNALING. ISSN 1937-9145, 2013, vol. 6, no. 260, pp., WOS

[1.1] SIRVENT, Pascal - DOUILLARD, Aymerick - GALBES, Olivier - RAMONATXO, Christelle - PY, Guillaume - CANDAU, Robin - LACAMPAGNE, Alain. Effects of Chronic Administration of Clenbuterol on Contractile Properties and Calcium Homeostasis in Rat Extensor Digitorum Longus Muscle. In PLOS ONE. ISSN 1932-6203, 2014, vol. 9, no. 6, pp., WOS

[1.1] SONG, Dong Woo - LEE, Jung-Gyu - YOUN, Hyung-Seop - EOM, Soo Hyun - KIM, Do Han. Ryanodine receptor assembly: A novel systems

- biology approach to 3D mapping. In PROGRESS IN BIOPHYSICS & MOLECULAR BIOLOGY, 2011, vol.105, no.3, 145., WOS
- [1.1] VENTURI, Elisa - GALFRE, Elena - O&APOS;BRIEN, Fiona - PITT, Samantha J. - BELLAMY, Stuart - SESSIONS, Richard B. - SITSAPESAN, Rebecca. FKBP12.6 Activates RyR1: Investigating the Amino Acid Residues Critical for Channel Modulation. In BIOPHYSICAL JOURNAL. ISSN 0006-3495, 2014, vol. 106, no. 4, pp. 824., WOS
- [1.1] WANG, Han - SIEBURTH, Derek. PKA Controls Calcium Influx into Motor Neurons during a Rhythmic Behavior. In PLOS GENETICS. ISSN 1553-7404, 2013, vol. 9, no. 9, pp., WOS
- [1.1] ZHU, Li - ZHONG, Xiaowei - CHEN, S. R. Wayne - BANAVALI, Nilesh - LIU, Zheng. Modeling a Ryanodine Receptor N-terminal Domain Connecting the Central Vestibule and the Corner Clamp Region. In JOURNAL OF BIOLOGICAL CHEMISTRY. ISSN 0021-9258, 2013, vol. 288, no. 2, pp. 903., WOS
- [1.2] BERDEAUX, R. - STEWART, R. cAMP signaling in skeletal muscle adaptation: Hypertrophy, metabolism, and regeneration. In American Journal of Physiology Endocrinology and Metabolism, 2012, 303, 1, pp. E1-E17., SCOPUS
- [1.2] CAPES, E.M. - LOAIZA, R. - VALDIVIA, H.H. Ryanodine receptors. In Skeletal Muscle, 2011, vol.1, no.1., SCOPUS
- [1.2] CORREIA, A.C.C. - SILVA, P.C.B. - DA SILVA, B.A. Malignant hyperthermia: Clinical and molecular aspects. In Revista Brasileira de Anestesiologia, 2012, 62, 6, pp. 820-837., SCOPUS
- [1.2] COWIE, Martin R. - POOLE-WILSON, Philip A. Pathophysiology of heart failure. In Essential Cardiology: Principles and Practice, 2013-06-01, pp. 327-345., SCOPUS
- [1.2] DECUYPERE, Jean Paul - MONACO, Giovanni - MISSIAEN, Ludwig - DE SMEDT, Humbert - PARYS, Jan B. - BULTYNCK, Geert. IPreceptors, mitochondria, and Ca²⁺ signaling: Implications for aging. In Journal of Aging Research. ISSN 20902204, 2011-12-01, 2011, pp., SCOPUS
- [1.2] DEMAZUMDER, Deeptankar - TOMASELLI, Gordon F. Molecular and cellular mechanisms of cardiac arrhythmias. In Muscle, 2012-12-01, 1, pp. 583-599., SCOPUS
- [1.2] GANGODA, L. - DOERFLINGER, M. - LEE, Y.Y. - RAHIMI, A. - ETEMADI, N. - CHAU, D. - MILLA, L. - O'CONNOR, L. - PUTHALAKATH, H. Cre transgene results in global attenuation of the cAMP/PKA pathway. In Cell Death and Disease, 2012, 3, 8, pp., SCOPUS
- [1.2] LANNER, J.T. Ryanodine receptor physiology and its role in disease. In Advances in Experimental Medicine and Biology, 2012, 740, pp. 217-234., SCOPUS
- [1.2] MIDDLEKAUFF, H.R. - VIGNA, C. - VERITY, M.A. - FONAROW, G.C. - HORWICH, T.B. - HAMILTON, M.A. - SHIEH, P. - TUPLING, A.R. Abnormalities of calcium handling proteins in skeletal muscle mirror those of the heart in humans with heart failure: A shared mechanism? In Journal of Cardiac Failure, 2012, 18, 9, pp. 724-733., SCOPUS
- [1.2] ZALVIDEA, S. - ANDRÉ, L. - LOYER, X. - CASSAN, C. - SAINTE-MARIE, Y. - THIREAU, J. - SJAASTAD, I. - HEYMES, C. - PASQUIÉ, J.-L. - CAZORLA, O. - AIMOND, F. - RICHARD, S. ACE inhibition prevents diastolic Ca²⁺ overload and loss of myofilament Ca²⁺

sensitivity after myocardial infarction. In *Current Molecular Medicine*, 2012, 12, 2, pp. 206-217., SCOPUS

ADCA196 REIKEN, S. - GABURJÁKOVÁ, Marta - GABURJÁKOVÁ, Jana - HE, K.L. - PRIETO, A. - BECKER, E. - YI, G.H. - WANG, J. - BURKGOFF, D. - MARKS, Andrew R. Beta-Adrenergic receptor blockers restore cardiac calcium release channel (ryanodine receptor) function in heart failure. In *Circulation : journal of The American Heart Association*, 2001, vol. 104, no. 23, p. 2843-2848. (10.893 - IF2000). (2001 - Current Contents). ISSN 0009-7322.

Ohlasy:

[1.1] DEGRANDE, Sean T. - LITTLE, Sean C. - NIXON, Derek J. - WRIGHT, Patrick - SNYDER, Jedidiah - DUN, Wen - MURPHY, Nathaniel - KILIC, Ahmet - HIGGINS, Robert - BINKLEY, Philip F. - BOYDEN, Penelope A. - CARNES, Cynthia A. - ANDERSON, Mark E. - HUND, Thomas J. - MOHLER, Peter J. Molecular Mechanisms Underlying Cardiac Protein Phosphatase 2A Regulation in Heart. In *JOURNAL OF BIOLOGICAL CHEMISTRY*. ISSN 0021-9258, 2013, vol. 288, no. 2, pp. 1032., WOS

[1.1] DOBREV, Dobromir - WEHRENS, Xander H. T. Role of RyR2 Phosphorylation in Heart Failure and Arrhythmias: Controversies Around Ryanodine Receptor Phosphorylation in Cardiac Disease. In *CIRCULATION RESEARCH*. ISSN 0009-7330, 2014, vol. 114, no. 8, pp. 1311., WOS

[1.1] FAUCONNIER, Jeremy - ROBERGE, Stephanie - SAINT, Nathalie - LACAMPAGNE, Alain. Type 2 ryanodine receptor: A novel therapeutic target in myocardial ischemia/reperfusion. In *PHARMACOLOGY & THERAPEUTICS*. ISSN 0163-7258, 2013, vol. 138, no. 3, pp. 323., WOS

[1.1] GEORGE, Isaac - SABBAH, Hani N. - XU, Kai - WANG, Nan - WANG, Jie. beta-Adrenergic receptor blockade reduces endoplasmic reticulum stress and normalizes calcium handling in a coronary embolization model of heart failure in canines. In *CARDIOVASCULAR RESEARCH*, 2011, vol.91, no.3, 447., WOS

[1.1] HOUSER, Steven R. Role of RyR2 Phosphorylation in Heart Failure and Arrhythmias: Protein Kinase A-Mediated Hyperphosphorylation of the Ryanodine Receptor at Serine 2808 Does Not Alter Cardiac. In *CIRCULATION RESEARCH*. ISSN 0009-7330, 2014, vol. 114, no. 8, pp. 1320., WOS

[1.1] LEHMANN, Lorenz H. - WORST, Barbara C. - STANMORE, David A. - BACKS, Johannes. Histone deacetylase signaling in cardioprotection. In *CELLULAR AND MOLECULAR LIFE SCIENCES*. ISSN 1420-682X, 2014, vol. 71, no. 9, pp. 1673., WOS

[1.1] LOU Q., JANARDHAN A, EFIMOV ,I.R. Remodeling of calcium handling in human heart failure. *ADV. EXP. MED. BIOL.* 2012., 740, p. 1145-1174, WOS

[1.1] MEKAHLI, Djalila - BULTYNCK, Geert - PARYS, Jan B. - DE SMEDT, Humbert - MISSIAEN, Ludwig. Endoplasmic-Reticulum Calcium Depletion and Disease. In *COLD SPRING HARBOR PERSPECTIVES IN BIOLOGY*, 2011, vol.3, no.6., WOS

[1.1] SEIDLER, Tim - TEUCHER, Nils - HELLENKAMP, Kristian - UNSOELD, Bernhard - GREBE, Cornelia - KRAMPS, Petra - SCHOTOLA, Hanna - WAGNER, Stefan - SCHOENDUBE, Friedrich A. - HASENFUSS, Gerd - MAIER, Lars S. Limitations of FKBP12.6-directed treatment strategies for maladaptive cardiac remodeling and heart failure. In *JOURNAL OF*

MOLECULAR AND CELLULAR CARDIOLOGY, 2011, vol.50, no.1, 33., WOS

[1.1] THIREAU, Jerome - PASQUIE, Jean-Luc - MARTEL, Eric - LE GUENNEC, Jean-Yves - RICHARD, Sylvain. New drugs vs. old concepts: A fresh look at antiarrhythmics. In PHARMACOLOGY & THERAPEUTICS, 2011, vol.132, no.2, 125., WOS

[1.1] TSUJI, Yukiomi - HEIJMAN, Jordi - NATTEL, Stanley - DOBREV, Dobromir. Electrical storm: recent pathophysiological insights and therapeutic consequences. In BASIC RESEARCH IN CARDIOLOGY. ISSN 0300-8428, 2013, vol. 108, no. 2, pp., WOS

[1.1] YAN, Lin - VATNER, Stephen F. - VATNER, Dorothy E. Disruption of type 5 adenylyl cyclase prevents beta-adrenergic receptor cardiomyopathy: A novel approach to beta-adrenergic receptor blockade. In AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY. ISSN 0363-6135, 2014, vol. 307, no. 10, pp. H1521., WOS

[1.2] POON, C. - WALLACE, J. Treatment of the cheyne-stokes breathing pattern with congestive heart failure: State of the art. CURRENT RESPECTIVE MEDICAL REVIEWS. 2011, vol. 7, no. 6, p. 454 - 463, SCOPUS

[1.2] TSUJI, Yukiomi - ISHIKAWA, Taisuke - MAKITA, Naomasa. Molecular mechanisms of heart failure progression associated with implantable cardioverter-defibrillator shocks for ventricular tachyarrhythmias. In Journal of Arrhythmia. ISSN 18804276, 2014-01-01, 30, 4, pp. 235-241., SCOPUS

[1.2] WALLACE, J. - POON, C. Treatment of the Cheyne-Stokes breathing pattern in patients with congestive heart failure: An update (Review). In CURR. RESP. MED. REV. 2013, vol. 9, p. 120-129, SCOPUS

ADCA197 REIKEN, S. - GABURJÁKOVÁ, Marta - GUATIMOSIM, S. - GOMEZ, A. M. - D'ARMIENTO, J. - BURKHOFF, D. - WANG, J. - VASSORT, G. - LEDERER, W. J. - MARKS, A. R. Protein kinase A phosphorylation of the cardiac calcium release channel (ryanodine receptor) in normal and failing hearts - Role of phosphatases and response to isoproterenol. In *Journal of Biological Chemistry*, 2003, vol. 278, iss. 1, p. 444-453. (6.696 - IF2002). (2003 - Current Contents). ISSN 0021-9258.

Ohlasy:

[1.1] AIBA, Takeshi - TOMASELLI, Gordon. Electrical Remodeling in Dyssynchrony and Resynchronization. In JOURNAL OF CARDIOVASCULAR TRANSLATIONAL RESEARCH. ISSN 1937-5387, 2012, vol. 5, no. 2, pp. 170., WOS

[1.1] BELEVYCH, Andriy E. - SANSOM, Sarah E. - TERENCEVA, Radmila - HO, Hsiang-Ting - NISHIJIMA, Yoshinori - MARTIN, Mickey M. - JINDAL, Hitesh K. - ROCHIRA, Jennifer A. - KUNITOMO, Yukiko - ABDELLATIF, Maha - CARNES, Cynthia A. - ELTON, Terry S. - GYOERKE, Sandor - TERENCEV, Dmitry. MicroRNA-1 and-133 Increase Arrhythmogenesis in Heart Failure by Dissociating Phosphatase Activity from RyR2 Complex. In PLOS ONE, 2011, vol.6, no.12., WOS

[1.1] BRISTON, Sarah J. - CALDWELL, Jessica L. - HORN, Margaux A. - CLARKE, Jessica D. - RICHARDS, Mark A. - GREENSMITH, David J. - GRAHAM, Helen K. - HALL, Mark C. S. - EISNER, David A. - DIBB, Katharine M. - TRAFFORD, Andrew W. Impaired beta-adrenergic responsiveness accentuates dysfunctional excitation-contraction coupling in an

ovine model of tachypacing-induced heart failure. In JOURNAL OF PHYSIOLOGY-LONDON, 2011, vol.589, no.6, 1367., WOS

[1.1] CARLL, Alex P. - WILLIS, Monte S. - LUST, Robert M. - COSTA, Daniel L. - FARRAJ, Aimen K. Merits of Non-Invasive Rat Models of Left Ventricular Heart Failure. In CARDIOVASCULAR TOXICOLOGY, 2011, vol.11, no.2, 91., WOS

[1.1] COSTA, V. M. - CARVALHO, F. - BASTOS, M. L. - CARVALHO, R. A. - CARVALHO, M. - REMIAO, F. Contribution of Catecholamine Reactive Intermediates and Oxidative Stress to the Pathologic Features of Heart Diseases. In CURRENT MEDICINAL CHEMISTRY, 2011, vol.18, no.15, 2272., WOS

[1.1] GEORGE, Christopher H. - PARTHIMOS, Dimitris - SILVESTER, Nicole C. A network-oriented perspective on cardiac calcium signaling. In AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY. ISSN 0363-6143, 2012, vol. 303, no. 9, pp. C897., WOS

[1.1] GERGS, Ulrich - BOKNIK, Peter - BUCHWALOW, Igor B. - FABRITZ, Larissa - GRUENDKER, Nicole - KUCEROVA, Dana - MATUS, Marek - WERNER, Franziska - SCHMITZ, Wilhelm - NEUMANN, Joachim. Modulation of cardiac contractility by serine/threonine protein phosphatase type 5. In INTERNATIONAL JOURNAL OF CARDIOLOGY. ISSN 0167-5273, 2012, vol. 154, no. 2, pp. 116., WOS

[1.1] GORELIK, Julia - WRIGHT, Peter T. - LYON, Alexander R. - HARDING, Sian E. Spatial control of the beta AR system in heart failure: the transverse tubule and beyond. In CARDIOVASCULAR RESEARCH. ISSN 0008-6363, 2013, vol. 98, no. 2, pp. 216., WOS

[1.1] HOUSER, Steven R. Role of RyR2 Phosphorylation in Heart Failure and Arrhythmias: Protein Kinase A-Mediated Hyperphosphorylation of the Ryanodine Receptor at Serine 2808 Does Not Alter Cardiac. In CIRCULATION RESEARCH. ISSN 0009-7330, 2014, vol. 114, no. 8, pp. 1320., WOS

[1.1] CHERRY, Elizabeth M. - FENTON, Flavio H. - GILMOUR, Robert F. Mechanisms of ventricular arrhythmias: a dynamical systems-based perspective. In AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY. ISSN 0363-6135, 2012, vol. 302, no. 12, pp. H2451., WOS

[1.1] KOEHLER, Anne C. - SAG, Can M. - MAIER, Lars S. Reactive oxygen species and excitation-contraction coupling in the context of cardiac pathology. In JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY. ISSN 0022-2828, 2014, vol. 73, no., pp. 92., WOS

[1.1] LIPP, Peter - REITHER, Gregor. Protein Kinase C: The "Masters" of Calcium and Lipid. In COLD SPRING HARBOR PERSPECTIVES IN BIOLOGY, 2011, vol.3, no.7., WOS

[1.1] LI, Jiao - IMTIAZ, Mohammad S. - BEARD, Nicole A. - DULHUNTY, Angela F. - THORNE, Rick - VANHELDEN, Dirk F. - LAVER, Derek R. beta-Adrenergic Stimulation Increases RyR2 Activity via Intracellular Ca²⁺ and Mg²⁺ Regulation. In PLOS ONE. ISSN 1932-6203, 2013, vol. 8, no. 3, pp., WOS

[1.1] LLACH, Anna - MOLINA, Cristina E. - FERNANDES, Jacqueline - PADRO, Josep - CINCA, Juan - HOVE-MADSEN, Leif. Sarcoplasmic reticulum and L-type Ca²⁺ channel activity regulate the beat-to-beat stability of calcium handling in human atrial myocytes. In JOURNAL OF PHYSIOLOGY-LONDON, 2011, vol.589, no.13, 3247., WOS

- [1.1] MOVSESIAN, Matthew A. - KUKREJA, Rakesh C. - FRANCIS, SH - CONTI, M - HOUSLAY, MD. Phosphodiesterase Inhibition in Heart Failure. In PHOSPHODIESTERASES AS DRUG TARGETS, 2011, vol.204, no., 237., WOS
- [1.1] PORT, J. David. Beta-adrenergic Signaling: Complexities and Therapeutic Relevance to Heart Failure. In CURRENT SIGNAL TRANSDUCTION THERAPY. ISSN 1574-3624, 2012, vol. 7, no. 2, pp. 120., WOS
- [1.1] TERENCEV, Dmitry - REES, Colin M. - LI, Weiyan - COOPER, Leroy L. - JINDAL, Hitesh K. - PENG, Xuwen - LU, Yichun - TERENCEVA, Radmila - ODENING, Katja E. - DALEY, Jean - BIST, Kamana - CHOI, Bum-Rak - KARMA, Alain - KOREN, Gideon. Hyperphosphorylation of RyRs Underlies Triggered Activity in Transgenic Rabbit Model of LQT2 Syndrome. In CIRCULATION RESEARCH. ISSN 0009-7330, 2014, vol. 115, no. 11, pp. 919., WOS
- [1.1] THIREAU, Jerome - KARAM, Sarah - FAUCONNIER, Jeremy - ROBERGE, Stephanie - CASSAN, Cecile - CAZORLA, Olivier - AIMOND, Franck - LACAMPAGNE, Alain - BABUTY, Dominique - RICHARD, Sylvain. Functional evidence for an active role of B-type natriuretic peptide in cardiac remodelling and pro-arrhythmogenicity. In CARDIOVASCULAR RESEARCH. ISSN 0008-6363, 2012, vol. 95, no. 1, pp. 59., WOS
- [1.1] VENETUCCI, Luigi - DENEGRI, Marco - NAPOLITANO, Carlo - PRIORI, Silvia G. Inherited calcium channelopathies in the pathophysiology of arrhythmias. In NATURE REVIEWS CARDIOLOGY. ISSN 1759-5002, 2012, vol. 9, no. 10, pp. 561., WOS
- [1.2] EDWARDS, D.N. - BARTH, A.S. - TOMASELLI, G.F. Mechanisms Underlying Arrhythmogenesis Associated with Heart Failure. In Cardiac Electrophysiology Clinics, 2011, vol.3, no.1, 57-68., SCOPUS
- [1.2] LOU, Q. - JANARDHAN, A. - EFIMOV, I.R. Remodeling of calcium handling in human heart failure. In Advances in Experimental Medicine and Biology, 2012, 740, pp. 1145-1174., SCOPUS
- [1.2] STANGHERLIN, A. - ZACCOLO, M. Phosphodiesterases and subcellular compartmentalized cAMP signaling in the cardiovascular system. In American Journal of Physiology Heart and Circulatory Physiology, 2012, 302, 2, pp. H379-H390., SCOPUS

ADCA198 ROSEMBLIT, N. - MOSCHELLA, M.C. - ONDRIAŠOVÁ, Elena - GUTSTEIN, D. E. - ONDRIAŠ, Karol - MARKS, A. R. Intracellular calcium release channel expression during embryogenesis. In *Developmental Biology*, 1999, vol. 206, issue 2, p. 163-177. ISSN 0012-1606.

Ohlasy:

- [1.1] KAPOOR, Nidhi - MAXWELL, Joshua T. - MIGNERY, Gregory A. - WILL, David - BLATTER, Lothar A. - BANACH, Kathrin. Spatially Defined InsP(3)-Mediated Signaling in Embryonic Stem Cell-Derived Cardiomyocytes. In PLOS ONE. ISSN 1932-6203, 2014, vol. 9, no. 1, pp., WOS
- [1.1] LI, Yun - LIN, Xiaowen - ZHAO, XueJun - XIE, Juntian - JUNNANWANG - SUN, Tao - FU, Zhijian. Ozone (O₃) elicits neurotoxicity in spinal cord neurons (SCNs) by inducing ER Ca²⁺ release and activating the CaMKII/MAPK signaling pathway. In TOXICOLOGY AND APPLIED PHARMACOLOGY. ISSN 0041-008X, 2014, vol. 280, no. 3, pp. 493., WOS

[1.1] WANG, Ding-Yan - ABBASI, Cynthia - EL-RASS, Suzan - LI, Jamie Yuanjun - DAWOOD, Fayez - NAITO, Kotaro - SHARMA, Parveen - BOUSETTE, Nicolas - SINGH, Shalini - BACKX, Peter H. - COX, Brian - WEN, Xiao-Yan - LIU, Peter P. - GRAMOLINI, Anthony O. Endoplasmic Reticulum Resident Protein 44 (ERp44) Deficiency in Mice and Zebrafish Leads to Cardiac Developmental and Functional Defects. In JOURNAL OF THE AMERICAN HEART ASSOCIATION. ISSN 2047-9980, 2014, vol. 3, no. 5, pp., WOS

ADCA199 RUŠČÁK, Michal - ORLICKÝ, Jozef - ŽUBOR, Vladimír - HAGER, H. Alanine aminotransferase in bovine brain: purification and properties. In *J. Neurochem.*, 1982, vol. 39, p. 210-216.

Ohlasy:

[1.1] PANOV, Alexander - ORYNBAYEVA, Zulfiya - VAVILIN, Valentin - LYAKHOVICH, Vyacheslav. Fatty Acids in Energy Metabolism of the Central Nervous System. In BIOMED RESEARCH INTERNATIONAL. ISSN 2314-6133, 2014, vol., no., pp., WOS

[1.2] BROSE, Stephen A. - MARQUARDT, Amanda L. - GOLOVKO, Mikhail Y. Fatty acid biosynthesis from glutamate and glutamine is specifically induced in neuronal cells under hypoxia. In Journal of Neurochemistry. ISSN 00223042, 2014-01-01, 129, 3, pp. 400-412., SCOPUS

ADCA200 RUŠČÁK, Michal - PERNG, P.T. COMBINED EFFECTS OF HYDROGEN AND MAGNETIZATION ON THE TENSILE PROPERTIES IN 2.25CR-1MO STEEL. In *Scripta Metallurgica et Materialia*, 1993, vol. 29, no 1, p. 123-128. ISSN 0956-716X.

Ohlasy:

[1.1] RAMANATHAN, Meenakshisundaram - SAHA, Biswadeep - REN, Chai - GURUSWAMY, Sivaraman - MCCARTER, Michael. Effect of Hydrogen and Magnetic Field on the Mechanical Behavior of High Strength AISI 4340 Steel. In JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE. ISSN 1059-9495, 2013, vol. 22, no. 4, pp. 1028., WOS

[1.1] RAMANATHAN, Meenakshisundaram - SAHA, Biswadeep - REN, Chai - GARSIDE, Gavin - GURUSWAMY, Sivaraman. INFLUENCE OF HYDROGEN LOADING ON THE TENSILE BEHAVIOR OF Fe-Ga ALLOYS. In TMS2011 SUPPLEMENTAL PROCEEDINGS, VOL 2: MATERIALS FABRICATION, PROPERTIES, CHARACTERIZATION, AND MODELING, 2011, vol., no., pp. 497., WOS

ADCA201 RUŠČÁK, Michal - PERNG, T.P. Deformation and Cracking Behavior of Iron-Manganese-Aluminum Alloys in Sodium Chloride Solution. In *Corrosion*, 1996, vol. 52, no. 6, 464-471. ISSN 0010-9312.

Ohlasy:

[1.2] FERNANDES, Frederico A P - HECK, Stênio C. - TOTTEN, George E. - PICON, Carlos A. - CASTELETTI, Luiz C. Effect of the strain-hardening on the wear and corrosion behaviour of a Fe-Mn-Al-C alloy. In International Journal of Microstructure and Materials Properties. ISSN 17418410, 2012-06-01, 7, 2-3, pp. 143-151., SCOPUS

ADCA202 RUŠČÁK, Michal - PERNG, T.P. EFFECT OF FERRITE ON CORROSION OF FE-MN-AL ALLOYS IN SODIUM-CHLORIDE SOLUTION. In *Corrosion*, 1995, vol. 51, no. 10, p. 738-743. ISSN 0010-9312.

Ohlasy:

[1.1] LU, Baotong - LI, Weishan - LUO, Jingli - CHIOVELLI, Stefano. Pitting susceptibility of induction-quenched pipeline with microstructural heterogeneity. In *JOURNAL OF MATERIALS SCIENCE*. ISSN 0022-2461, 2012, vol. 47, no. 19, pp. 6823., WOS

ADCA203 RUŠČÁK, Michal - KEILOVA, E. - KOCIK, J. - BURDA, J. - CHVATAL, P. Structural aspects of the environmentally assisted cracking of WWER 440 dissimilar weld joints. In *International Journal of Pressure Vessels and Piping*, 1996, vol. 68, no. 1, p. 23-37. ISSN 0308-0161.

Ohlasy:

[1.1] PENG, Qunjia - XUE, He - HOU, Juan - SAKAGUCHI, Kazuhiko - TAKEDA, Yoichi - KUNIYA, Jiro - SHOJI, Tetsuo. Role of water chemistry and microstructure in stress corrosion cracking in the fusion boundary region of an Alloy 182-A533B low alloy steel dissimilar weld joint in high temperature water. In *CORROSION SCIENCE*. ISSN 0010-938X, 2011, vol. 53, no. 12, pp. 4309., WOS

[1.1] ZHAO, Lingyan - XUE, He - TANG, Wei - FANG, Xiurong - MERTINY, P. EFFECT OF WELDED MECHANICAL HETEROGENEITY ON LOCAL STRESS AND STRAIN AHEAD OF GROWING CRACK TIPS IN THE PIPING WELDS. In *PROCEEDINGS OF THE ASME PRESSURE VESSELS AND PIPING CONFERENCE*, VOL 3, 2012, vol., no., pp. 223., WOS

ADCA204 SHAW, M. A. - BRUNETTI-PIERRI, N. - KÁDAŠI, Ľudevít - KOVACOVA, V. - VAN MALDERGEM, L. - DE BRASI, D. - SALERNO, M. - GECZ, J. Identification of three novel SEDL mutations, including mutation in the rare, non-canonical splice site of exon 4. In *Clinical genetics*, 2003, vol. 64, iss. 3, p. 235-242. ISSN 0009-9163.

Ohlasy:

[1.1] BRUNET, Stephanie - SACHER, Michael. In Sickness and in Health: The Role of TRAPP and Associated Proteins in Disease. In *TRAFFIC*. ISSN 1398-9219, 2014, vol. 15, no. 8, pp. 803., WOS

[1.1] BRUNET, Stephanie - SHAHRZAD, Nassim - SAINT-DIC, Djenann - DUTCZAK, Hartley - SACHER, Michael. A trs20 Mutation That Mimics an SEDT-Causing Mutation Blocks Selective and Non-Selective Autophagy: A Model for TRAPP III Organization. In *TRAFFIC*. ISSN 1398-9219, 2013, vol. 14, no. 10, pp. 1091., WOS

[1.1] DUARTE, Debora Teixeira - HUL, Sokunthear - SACHER, Michael. A yeast two hybrid screen identifies SPATA4 as a TRAPP interactor. In *FEBS LETTERS*, 2011, vol.585, no.17, 2676., WOS

[1.1] FAN, Xin - TANG, Liling. Aberrant and alternative splicing in skeletal system disease. In *GENE*. ISSN 0378-1119, 2013, vol. 528, no. 1, pp. 21., WOS

[1.1] SCRIVENS, P. James - NOUEIHED, Baraa - SHAHRZAD, Nassim - HUL, Sokunthear - BRUNET, Stephanie - SACHER, Michael. C4orf41 and TTC-15 are mammalian TRAPP components with a role at an early stage in ER-to-Golgi trafficking. In *MOLECULAR BIOLOGY OF THE CELL*, 2011,

vol.22, no.12, 2083., WOS

[1.1] TURUNEN, Janne J. - NIEMELA, Elina H. - VERMA, Bhupendra - FRILANDER, Mikko J. The significant other: splicing by the minor spliceosome. In WILEY INTERDISCIPLINARY REVIEWS-RNA. ISSN 1757-7004, 2013, vol. 4, no. 1, pp. 61., WOS

[1.1] WANG, Hui - WU, Weiqing - XU, Zhiyong - XIE, Jiansheng. A novel splicing mutation in the SEDL gene causes spondyloepiphyseal dysplasia tarda in a large Chinese pedigree. In CLINICA CHIMICA ACTA. ISSN 0009-8981, 2013, vol. 425, no., pp. 30., WOS

[1.1] XIA, X. Y. - YU, J. - LI, W. W. - LI, N. - WU, Q. Y. - ZHOU, X. - CUI, Y. X. - LI, X. J. A novel nonsense mutation in the sedlin gene (SEDL) causes severe spondyloepiphyseal dysplasia tarda in a five-generation Chinese pedigree. In GENETICS AND MOLECULAR RESEARCH. ISSN 1676-5680, 2014, vol. 13, no. 2, pp. 3362., WOS

ADCA205 SCHUSTER, A. - LACINOVÁ, Ľubica - KLUGBAUER, Norbert - ITO, H. - BIRNBAUMER, L. - HOFMANN, F. The IVS6 segment of the L-type calcium channel is critical for the action of dihydropyridines and phenylalkylamines. In *EMBO journal : European Molecular Biology Organization*, 1996, vol. 15, no. 10, p. 2365-2370. ISSN 0261-4189.

Ohlasy:

[1.1] GARG, Vivek - STARY-WEINZINGER, Anna - SACHSE, Frank - SANGUINETTI, Michael C. Molecular Determinants for Activation of Human Ether-a-go-go-related Gene 1 Potassium Channels by 3-Nitro-N-(4-phenoxyphenyl) Benzamide. In MOLECULAR PHARMACOLOGY, 2011, vol.80, no.4, 630., WOS

[1.1] LEE, Seungkyu. Pharmacological Inhibition of Voltage-gated Ca²⁺ Channels for Chronic Pain Relief. In CURRENT NEUROPHARMACOLOGY. ISSN 1570-159X, 2013, vol. 11, no. 6, pp. 606., WOS

[1.1] SENATORE, Adriano - BOONE, Adrienne N. - LAM, Stanley - DAWSON, Taylor F. - ZHOROV, Boris S. - SPAFFORD, J. David. Mapping of dihydropyridine binding residues in a less sensitive invertebrate L-type calcium channel (LCa(v)1). In CHANNELS, 2011, vol.5, no.2, 173., WOS

[1.1] TENTI, Giammarco - PARADA, Esther - LEON, Rafael - EGEA, Javier - MARTINEZ-REVELLES, Sonia - MARIA BRIONES, Ana - SRIDHARAN, Vellaisamy - LOPEZ, Manuela G. - TERESA RAMOS, Maria - CARLOS MENENDEZ, J. New 5-Unsubstituted Dihydropyridines with Improved Ca(V)_{1.3} Selectivity as Potential Neuroprotective Agents against Ischemic Injury. In JOURNAL OF MEDICINAL CHEMISTRY. ISSN 0022-2623, 2014, vol. 57, no. 10, pp. 4313., WOS

[1.1] VIERO, Cedric. Cardiac Channelopathies Applications of Genomics and Proteomics in Diagnosis and Therapy. In OMICS: BIOMEDICAL PERSPECTIVES AND APPLICATIONS, 2012, vol., no., pp. 431., WOS

[1.2] ROBEY, Seth - SAMPSON, Kevin J. - KASS, Robert S. Ion channels as targets for drugs. In Cell Physiology Source Book, 2012-12-01, pp. 525-534., SCOPUS

ADCA206 SLÁVIKOVÁ, J. - DVORÁKOVÁ, M. - REISCHIG, J. - PALKOVITS, M. - ONDRIÁŠ, Karol - TARABOVÁ, Bohumila - LACINOVÁ, Ľubica - KVETŇANSKÝ, Richard - MARKS, A. - KRIŽANOVÁ, Oľga. IP3 type 1

receptors in the heart: Their predominance in atrial walls with ganglion cells. In *Life Sciences*, 2006, vol. 78, iss. 14, p. 1598-1602. (2.512 - IF2005). (2006 - Current Contents). ISSN 0024-3205.

Ohlasy:

[1.1] KAPOOR, Nidhi - MAXWELL, Joshua T. - MIGNERY, Gregory A. - WILL, David - BLATTER, Lothar A. - BANACH, Kathrin. Spatially Defined InsP(3)-Mediated Signaling in Embryonic Stem Cell-Derived Cardiomyocytes. In PLOS ONE. ISSN 1932-6203, 2014, vol. 9, no. 1, pp., WOS

[1.1] SUBEDI, Krishna P. - SINGH, Thoudam Debraj - KIM, Joon-Chul - WOO, Sun-Hee. Cloning and expression of a new inositol 1,4,5-trisphosphate receptor type 1 splice variant in adult rat atrial myocytes. In CELLULAR & MOLECULAR BIOLOGY LETTERS. ISSN 1425-8153, 2012, vol. 17, no. 1, pp. 124., WOS

ADCA207 SLEZÁK, Ján - TRIBULOVÁ, Narcis - PRISTACOVA, J. - UHRÍK, Branislav - THOMAS, T. - KHAPER, N. - KAUL, N. - SINGAL, Pawan. Hydrogen peroxide changes in ischemic and reperfused heart: Cytochemistry and biochemical and X-ray microanalysis. In *American Journal of Pathology*, 1995, vol. 147, p. 772-781. ISSN 0002-9440.

Ohlasy:

[1.1] FAN, Huaying - YANG, Liu - FU, Fenghua - XU, Hui - MENG, Qinggang - ZHU, Haibo - TENG, Lirong - YANG, Mingyan - ZHANG, Leiming - ZHANG, Ziliang - LIU, Ke. Cardioprotective Effects of Salvianolic Acid A on Myocardial Ischemia-Reperfusion Injury In Vivo and In Vitro. In EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE. ISSN 1741-427X, 2012, vol., no., pp. 1., WOS

[1.1] FIGUEIRA, Tiago R. - BARROS, Mario H. - CAMARGO, Anamaria A. - CASTILHO, Roger F. - FERREIRA, Julio C. B. - KOWALTOWSKI, Alicia J. - SLUSE, Francis E. - SOUZA-PINTO, Nadja C. - VERCESI, Anibal E. Mitochondria as a Source of Reactive Oxygen and Nitrogen Species: From Molecular Mechanisms to Human Health. In ANTIOXIDANTS & REDOX SIGNALING. ISSN 1523-0864, 2013, vol. 18, no. 16, pp. 2029-2074., WOS

[1.1] CHAI, Yuan-yuan - WANG, Fang - LI, Yan-li - LIU, Ke - XU, Hui. Antioxidant Activities of Stilbenoids from Rheum emodi Wall. In EVIDENCE-BASED COMPLEMENTARY AND ALTERNATIVE MEDICINE. ISSN 1741-427X, 2012, vol., no., pp., WOS

[1.1] CHEN, Tao - JIN, Xiaoping - CRAWFORD, Brian H. - CHENG, Hua - SAAFIR, Talib B. - WAGNER, Mary B. - YUAN, Zuyi - DING, Guoliang. Cardioprotection from oxidative stress in the newborn heart by activation of PPAR gamma is mediated by catalase. In FREE RADICAL BIOLOGY AND MEDICINE. ISSN 0891-5849, 2012, vol. 53, no. 2, pp. 208., WOS

[1.1] CHIS, Roxana - SHARMA, Parveen - BOUSETTE, Nicolas - MIYAKE, Tetsuaki - WILSON, Aaron - BACKX, Peter H. - GRAMOLINI, Anthony O. alpha-Crystallin B prevents apoptosis after H₂O₂ exposure in mouse neonatal cardiomyocytes. In AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY. ISSN 0363-6135, 2012, vol. 303, no. 8, pp. H967., WOS

[1.1] JUHASZ, Laszlo - HALUDKA, Vivien Demeter - SEPRENYI, Gyoergy - KASZAKI, Jozsef - GARDI, Janos - VEGH, Agnes. Acute inhibition of monoamine oxidase with pargyline does not modify the severity of ischemia

and reperfusion-induced ventricular arrhythmias in dogs. In EXPERIMENTAL & CLINICAL CARDIOLOGY. ISSN 1205-6626, 2013, vol. 19, no. 1, pp., WOS

[1.1] KAPELKO, V. I. Redox control of cardiac rhythm. In BIOCHEMISTRY-MOSCOW. ISSN 0006-2979, 2012, vol. 77, no. 11, pp. 1248., WOS

[1.1] MAO, Weike - YOU, Tao - YE, Bo - LI, Xiang - DONG, Henry H. - HILL, Joseph A. - LI, Faqian - XU, Haodong. Reactive Oxygen Species Suppress Cardiac Na(V)1.5 Expression through Foxo1. In PLOS ONE. ISSN 1932-6203, 2012, vol. 7, no. 2, pp., WOS

[1.1] RAEDSCHELDERS, Koen - ANSLEY, David M. - CHEN, David D. Y. The cellular and molecular origin of reactive oxygen species generation during myocardial ischemia and reperfusion. In PHARMACOLOGY & THERAPEUTICS. ISSN 0163-7258, 2012, vol. 133, no. 2, pp. 230., WOS

[1.1] ZHAO, Zhenghang - XIE, Yuanfang - WEN, Hairuo - XIAO, Dandan - ALLEN, Charelle - FEFELOVA, Nadezhda - DUN, Wen - BOYDEN, Penelope A. - QU, Zhilin - XIE, Lai-Hua. Role of the transient outward potassium current in the genesis of early afterdepolarizations in cardiac cells. In CARDIOVASCULAR RESEARCH. ISSN 0008-6363, 2012, vol. 95, no. 3, pp. 308., WOS

[1.1] ZHOU, Jing-Jing - WEI, Yan - ZHANG, Li - ZHANG, Jiao - GUO, Lan-Ying - GAO, Chao - LI, De-Pei - ZHANG, Yi. Chronic intermittent hypobaric hypoxia prevents cardiac dysfunction through enhancing antioxidation in fructose-fed rats. In CANADIAN JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY. ISSN 0008-4212, 2013, vol. 91, no. 5, pp. 332-337., WOS

[1.2] LIU, K. - FAN, H. - YANG, L. - FU, F. - XU, H. - MENG, Q. - ZHU, H. - TENG, L. - YANG, M. - ZHANG, L. - ZHANG, Z. Cardioprotective effects of salvianolic acid a on myocardial ischemia-reperfusion injury in vivo and in vitro. In Evidence-based Complementary and Alternative Medicine, 2012, 2012, pp., SCOPUS

[1.2] MUSALE, P. - THORAT, S. - KALE, S.C. - JADHAV, J. - KANASE, A. Evaluation of hydrogen peroxide induced cardiotoxicity in sixth day chick embryo. In Drug Invention Today, 2012, 4, 5, pp. 371-374., SCOPUS

ADCA208 SMITH, PA - PROKS, Peter. Inhibition of the ATP-sensitive potassium channel from mouse pancreatic beta-cells by surfactants. In *British journal of pharmacology*, 1998, vol. 124, no.3, p. 529-539. (3.619 - IF1997). (1998 - Current Contents). ISSN 0007-1188.

Ohlasy:

[1.1] NARANG, D. - KERR, P.M. - BASERMAN, J. - TAM, R.-YANG, W.-SEARLE, G.-MANNING-FPX, J.E.-PAULSEN, I.M.-KOZUSKA,J.L.-MACDONALD, P.E. Triton X-100 inhibits L-type voltage operated calcium channels. In CANADIAN JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY, ISSN 0008-4212, 2013, vol. 93, iss. 4, p. 316-324, WOS

ADCA209 SMITH, P. A. - PROKS, Peter - MOORHOUSE, A. Direct effects of tolbutamide on mitochondrial function, intracellular Ca²⁺ and exocytosis in pancreatic beta-cells. In *PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY*, 1999, vol. 437, issue 4, p. 577-588. ISSN 0031-6768.

Ohlasy:

[1.1] SORIANO, Sergi - RIPOLL, Cristina - FUENTES, Esther - GONZALEZ, Alejandro - ALONSO-MAGDALENA, Paloma - ROPERO, Ana B. - QUESADA, Ivan - NADAL, Angel. Regulation of K-ATP channel by 17 beta-estradiol in pancreatic beta-cells. In *STEROIDS*, 2011, vol.76, no.9, 856., WOS

ADCA210 SMITH, P. A. - PROKS, Peter - ASHCROFT, F. M. Quantal analysis of 5-hydroxytryptamine release from mouse pancreatic beta-cells. In *JOURNAL OF PHYSIOLOGY*, 1999, vol. 521, issue 3, p. 651-664. ISSN 0022-3751.

Ohlasy:

[1.1] GUENETTE, Melanie Dawn - GIACCA, Adria - HAHN, Margaret - TEO, Celine - LAM, Loretta - CHINTOH, Araba - ARENOVICH, Tamara - REMINGTON, Gary. Atypical antipsychotics and effects of adrenergic and serotonergic receptor binding on insulin secretion in-vivo: An animal model. In *SCHIZOPHRENIA RESEARCH*. ISSN 0920-9964, 2013, vol. 146, no. 1-3, pp. 162., WOS

[1.1] HARRIS, P. E. - LEIBEL, R. L. Neurofunctional imaging of beta-cell dynamics. In *DIABETES OBESITY & METABOLISM*. ISSN 1462-8902, 2012, vol. 14, no., pp. 91., WOS

[1.1] WHIM, Matthew D. Pancreatic Beta Cells Synthesize Neuropeptide Y and Can Rapidly Release Peptide Co-Transmitters. In *PLOS ONE*, 2011, vol.6, no.4., WOS

[1.1] YE, R. - BLAKELY, R. D. NATURAL AND ENGINEERED CODING VARIATION IN ANTIDEPRESSANT-SENSITIVE SEROTONIN TRANSPORTERS. In *NEUROSCIENCE*, 2011, vol.197, no., 28., WOS

ADCA211 STAES, M - TALAVERA, K. - KLUGBAUER, N. - PRENEN, J. - LACINOVA, Lubica - DROOGMANS, G. - HOFMANN, F. - NILIUS, B. The amino side of the C-terminus determines fast inactivation of the T-type calcium channel alpha(1G). In *Journal of Physiology*, 2001, vol. 530, iss. 1, p. 34-45. (4.455 - IF2000). (2001 - Current Contents). ISSN 0022-3751.

Ohlasy:

[1.1] DEMERS-GIROUX, Pierre-Olivier - BOURDIN, Benoit - SAUVE, Remy - PARENT, Lucie. Cooperative Activation of the T-type Ca(V)_{3.2} Channel INTERACTION BETWEEN DOMAINS II AND III. In *JOURNAL OF BIOLOGICAL CHEMISTRY*. ISSN 0021-9258, 2013, vol. 288, no. 41, pp. 29281., WOS

[1.1] HE BING-JUN - HU FEN - SHANG XUE-LIANG - HAN LI-XIN - WU GUANG-YAN - LI JUN-YING - SUN JIN-SHENG. Molecular Regions Determining The Voltage-dependence of Inactivation for T-type Calcium Channel Ca(v)_{3.1}. In *PROGRESS IN BIOCHEMISTRY AND BIOPHYSICS*. ISSN 1000-3282, 2014, vol. 41, no. 9, pp. 877., WOS

[1.1] SIMMS, Brett A. - ZAMPONI, Gerald W. Neuronal Voltage-Gated Calcium Channels: Structure, Function, and Dysfunction. In *NEURON*. ISSN 0896-6273, 2014, vol. 82, no. 1, pp. 24., WOS

[1.1] ZHANG, Yuan - JIANG, Xinghong - SNUTCH, Terrance P. - TAO, Jin. Modulation of low-voltage-activated T-type Ca²⁺ channels. In *BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES*. ISSN 0005-2736, 2013, vol. 1828, no. 7, pp. 1550., WOS

ADCA212 STANKOVICOVA, T. - ZEMKOVA, H. - BREIER, Albert - AMLER, E. - BURKHARD, M. - VYSKOCIL, F. The effects of calcium and calcium channel blockers on sodium pump. In *Pflug.Arch.Eur.J.Phy*, 1995, vol. 429, p. 716-721.

Ohlasy:

[1.1] MUKHERJEE, Soumya - BHATLA, Satish Chander. A novel fluorescence imaging approach to monitor salt stress-induced modulation of ouabain-sensitive ATPase activity in sunflower seedling roots. In *PHYSIOLOGIA PLANTARUM*. ISSN 0031-9317, 2014, vol. 150, no. 4, pp. 540., WOS

ADCA213 STAŠKO, Andrej - BREZOVÁ, Vlasta - ZALIBERA, Michal - BISKUPIČ, Stanislav - ONDRIÁŠ, Karol. Electron transfer : a primary step in the reactions of sodium hydrosulphide, an H₂S/HS- donor. In *Free Radical Research : official journal of the Society for Free Radical Research -European Region*, 2009, vol. 46, iss. 6, p. 581-593. (2.826 - IF2008). (2009 - Current Contents). ISSN 1071-5762.

Ohlasy:

[1.1] AL-MAGABLEH, Mohammad R. - KEMP-HARPER, Barbara K. - NG, Hooi H. - MILLER, Alyson A. - HART, Joanne L. Hydrogen sulfide protects endothelial nitric oxide function under conditions of acute oxidative stress in vitro. In *NAUNYN-SCHMIEDEBERGS ARCHIVES OF PHARMACOLOGY*. ISSN 0028-1298, 2014, vol. 387, no. 1, pp. 67., WOS

[1.1] CARBALLAL, S. - TRUJILLO, M. - CUEVASANTA, E. - BARTESAGHI, S. - MOLLER, M.N. - FOLKES, L.K. - GARCIA-BEREGUIAIN, M.A. - GUTIERREZ-MERINO, C. - WARDMAN, P. - DENICOLA, A. - RADI, R. - ALVAREZ, B. Reactivity of hydrogen sulfide with peroxynitrite and other oxidants of biological interest. In *FREE RADICAL BIOLOGY AND MEDICINE*. ISSN 0891-5849, JAN 1 2011, vol. 50, no. 1, p. 196-205., WOS

[1.1] CARO, A.A. - THOMPSON, S. - TACKETT, J. Increased oxidative stress and cytotoxicity by hydrogen sulfide in HepG2 cells overexpressing cytochrome P450 2E1. In *CELL BIOLOGY AND TOXICOLOGY*. ISSN 0742-2091, DEC 2011, vol. 27, no. 6, p. 439-453., WOS

[1.1] DI MASI, Alessandra - ASCENZI, Paolo. H₂S: A "Double face" molecule in health and disease. In *BIOFACTORS*. ISSN 0951-6433, 2013, vol. 39, no. 2, pp. 186., WOS

[1.1] KABIL, Omer - MOTL, Nicole - BANERJEE, Ruma. H₂S and its role in redox signaling. In *BIOCHIMICA ET BIOPHYSICA ACTA-PROTEINS AND PROTEOMICS*. ISSN 1570-9639, 2014, vol. 1844, no. 8, pp. 1355., WOS

[1.1] LI, Qian - LANCASTER, Jack R. Chemical foundations of hydrogen sulfide biology. In *NITRIC OXIDE-BIOLOGY AND CHEMISTRY*. ISSN 1089-8603, 2013, vol. 35, no., pp. 21., WOS

[1.1] PRASCHBERGER, Monika - HERMANN, Marcela - LAGGNER, Christian - JIROVETZ, Leopold - EXNER, Markus - KAPIOTIS, Stylianos - GMEINER, Bernhard M. K. - LAGGNER, Hilde. Carbamoylation abrogates the antioxidant potential of hydrogen sulfide. In *BIOCHIMIE*. ISSN 0300-9084, 2013, vol. 95, no. 11, pp. 2069., WOS

[1.1] SCHREIER, S.M. - STEINKELLNER, H. - JIROVETZ, L. - HERMANN, M. - EXNER, M. - GMEINER, B.M.K. - KAPIOTIS, S. - LAGGNER, H. S-Carbamoylation impairs the oxidant scavenging activity of

cysteine: Its possible impact on increased LDL modification in uraemia. In BIOCHIMIE. ISSN 0300-9084, APR 2011, vol. 93, no. 4, p. 772-777., WOS

[1.1] SKOVGAARD, N. - GOULIAEV, A. - AALLING, M. - SIMONSEN, U. The Role of Endogenous H₂S in Cardiovascular Physiology. In CURRENT PHARMACEUTICAL BIOTECHNOLOGY. ISSN 1389-2010, SEP 2011, vol. 12, no. 9, p. 1385-1393., WOS

[1.1] YAMASHITA, Shinichi - BALDACCHINO, Gerard - MAEYAMA, Takuya - TAGUCHI, Mitsumasa - MUROYA, Yusa - LIN, Mingzhang - KIMURA, Atsushi - MURAKAMI, Takeshi - KATSUMURA, Yosuke. Mechanism of radiation-induced reactions in aqueous solution of coumarin-3-carboxylic acid: Effects of concentration, gas and additive on fluorescent product yield. In FREE RADICAL RESEARCH. ISSN 1071-5762, 2012, vol. 46, no. 7, pp. 861., WOS

[1.2] FORD, Asha - AL-MAGABLEH, Mohammad R. - GASPARI, Tracey A. - HART, Joanne Louise. Chronic NaHS treatment is vasoprotective in high-fat-fed ApoE^{-/-} mice. In International Journal of Vascular Medicine. ISSN 20902824, 2013-07-19, 2013, pp., SCOPUS

[1.2] PREDMORE, B.L. - LEFER, D.J. - GOJON, G. Hydrogen sulfide in biochemistry and medicine. In Antioxidants and Redox Signaling, 2012, 17, 1, pp. 119-140., SCOPUS

[1.2] WANG, R. Physiological implications of hydrogen sulfide: A whiff exploration that blossomed. In Physiological Reviews, 2012, 92, 2, pp. 791-896., SCOPUS

ADCA214 STEELE, N. M. - SULOVA, Zdena - CAMPBELL, P. - BRAAM, J. - FARKAŠ, Vladimír - FRY, S. C. Ten isoenzymes of xyloglucan endotransglycosylase from plant cell walls select and cleave the donor substrate stochastically. In *Biochemical Journal*, 2001, vol. 355, p. 671-679. ISSN 0264-6021.
Ohlasy:

[1.1] POPPINGA, Simon - MASSELTHER, Tom - SPECK, Thomas. Faster than their prey: New insights into the rapid movements of active carnivorous plants traps. In BIOESSAYS. ISSN 0265-9247, 2013, vol. 35, no. 7, pp. 649., WOS

ADCA215 SULOVA, Zdena - LEDNICKA, M. - FARKAŠ, Vladimír. A COLORIMETRIC ASSAY FOR XYLOGLUCAN-ENDOTRANSGLYCOSYLASE FROM GERMINATING-SEEDS. In *Analytical Biochemistry*, 1995, vol. 229, issue 1, p. 80-85. ISSN 0003-2697.
Ohlasy:

[1.1] EKLOF, Jens M. - RUDA, Marcus C. - BRUMER, Harry - GILBERT, HJ. DISTINGUISHING XYLOGLUCANASE ACTIVITY IN ENDO-beta(1>4)GLUCANASES. In CELLULASES. ISSN 0076-6879, 2012, vol. 510, no., pp. 97., WOS

[1.1] HAN, Yansha - SA, Gang - SUN, Jian - SHEN, Zedan - ZHAO, Rui - DING, Mingquan - DENG, Shurong - LU, Yanjun - ZHANG, Yuhong - SHEN, Xin - CHEN, Shaoliang. Overexpression of *Populus euphratica* xyloglucan endotransglucosylase/hydrolase gene confers enhanced cadmium tolerance by the restriction of root cadmium uptake in transgenic tobacco. In ENVIRONMENTAL AND EXPERIMENTAL BOTANY. ISSN 0098-8472, 2014, vol. 100, no., pp. 74., WOS

- [1.1] Han, YS (Han, Yansha); Wang, W (Wang, Wei); Sun, J (Sun, Jian); Ding, MQ (Ding, Mingquan); Zhao, R (Zhao, Rui); Deng, SR (Deng, Shurong); Wang, FF (Wang, Feifei); Hu, Y (Hu, Yue); Wang, Y (Wang, Yang); Lu, YJ (Lu, Yanjun); Du, LP (Du, Liping); Hu, ZM (Hu, Zanmin); Diekmann, H (Diekmann, Heike); Shen, X (Shen, Xin); Polle, A (Polle, Andrea); Chen, SL (Chen, Shaoliang), In: JOURNAL OF EXPERIMENTAL BOTANY Volume: 64 Issue: 14 Pages: 4225-4238, WOS
- [1.1] KEUSKAMP, Diederik H. - SASIDHARAN, Rashmi - VOS, Irene - PEETERS, Anton J. M. - VOESENEK, Laurentius A. C. J. - PIERIK, Ronald. Blue-light-mediated shade avoidance requires combined auxin and brassinosteroid action in Arabidopsis seedlings. In PLANT JOURNAL, 2011, vol.67, no.2, 208., WOS
- [1.1] NISHIKUBO, Nobuyuki - TAKAHASHI, Junko - ROOS, Alexandra A. - DERBA-MACELUCH, Marta - PIENS, Kathleen - BRUMER, Harry - TEERI, Tuula T. - STALBRAND, Henrik - MELLEROWICZ, Ewa J. Xyloglucan endo-Transglycosylase-Mediated Xyloglucan Rearrangements in Developing Wood of Hybrid Aspen. In PLANT PHYSIOLOGY, 2011, vol.155, no.1, 399., WOS
- [1.1] SASIDHARAN, Rashmi - KEUSKAMP, Diederik H. - KOOKE, Rik - VOESENEK, Laurentius A. C. J. - PIERIK, Ronald. Interactions between Auxin, Microtubules and XTHs Mediate Green Shade- Induced Petiole Elongation in Arabidopsis. In PLOS ONE. ISSN 1932-6203, 2014, vol. 9, no. 3, pp., WOS
- [1.1] VALENZUELA, Claudio - RAMOS, Patricio - CARRASCO, Cristian - ALEJANDRA MOYA-LEON, Maria - HERRERA, Raul. Cloning and characterization of a xyloglucan endo-transglycosylase/hydrolase gene expressed in response to inclination in radiata pine seedlings. In TREE GENETICS & GENOMES. ISSN 1614-2942, 2014, vol. 10, no. 5, pp. 1305., WOS
- [1.1] WONG, Dominic W. S. - CHAN, Victor J. - MCCORMACK, Amanda A. Comparative Characterization of a Bifunctional endo-1,4-beta-Mannanase/1,3-1,4-beta-glucanase and its Individual Domains. In PROTEIN AND PEPTIDE LETTERS. ISSN 0929-8665, 2013, vol. 20, no. 5, pp. 517., WOS
- [1.1] ZHU, Xiao Fang - SHI, Yuan Zhi - LEI, Gui Jie - FRY, Stephen C. - ZHANG, Bao Cai - ZHOU, Yi Hua - BRAAM, Janet - JIANG, Tao - XU, Xiao Yan - MAO, Chuan Zao - PAN, Yuan Jiang - YANG, Jian Li - WU, Ping - ZHENG, Shao Jian. XTH31, Encoding an in Vitro XEH/XET-Active Enzyme, Regulates Aluminum Sensitivity by Modulating in Vivo XET Action, Cell Wall Xyloglucan Content, and Aluminum Binding Capacity in Arabidopsis. In PLANT CELL. ISSN 1040-4651, 2012, vol. 24, no. 11, pp. 4731., WOS

- ADCA216 SULOVA, Zdena - MACEJOVA, Dana - SEREŠ, Mário - SEDLÁK, Ján - BRTKO, Július - BREIER, Albert. Combined treatment of P-gp-positive L1210/VCR cells by verapamil and all-trans retinoic acid. induces down-regulation of P-glycoprotein expression and transport activity. In *Toxicology in vitro*, 2008, vol. 22, iss. 1, p. 96-105. (2.193 - IF2007). (2008 - Current Contents). ISSN 0887-2333. Ohlasy:
- [1.1] NARVEKAR, Mayuri - XUE, Hui Yi - TRAN, Ngoc T. - MIKHAEL, Mariam - WONG, Ho Lun. A new nanostructured carrier design including oil to enhance the pharmaceutical properties of retinoid therapy and its therapeutic effects on chemo-resistant ovarian cancer. In EUROPEAN JOURNAL OF

PHARMACEUTICS AND BIOPHARMACEUTICS. ISSN 0939-6411, 2014, vol. 88, no. 1, pp. 226., WOS

[1.1] ROY, Upal - BULOT, Christine - BENTRUP, Kerstin Honer Zu - MONDAL, Debasis. Specific Increase in MDR1 Mediated Drug-Efflux in Human Brain Endothelial Cells following Co-Exposure to HIV-1 and Saquinavir. In PLOS ONE. ISSN 1932-6203, 2013, vol. 8, no. 10, pp., WOS

[1.2] FARHAT, Kulsoom - WAHEED, Akbar - MANSOOR, Qaisar. P-glycoprotein in blood brain barrier. In Journal of Postgraduate Medical Institute. ISSN 10135472, 2013-10-15, 27, 4, pp. 352-355., SCOPUS

ADCA217 SULOVA, Zdena - DITTE, Peter - KURUCOVA, Tatiana - POLAKOVA, Eva - ROGOZANOVA, Kristina - GIBALOVA, Lenka - SERES, Mario - SKVARKOVA, Lucia - SEDLAK, Jan - PASTOREK, Jaromir - BREIER, Albert. The presence of P-glycoprotein in L1210 cells directly induces down-regulation of cell surface saccharide targets of Concanavalin A. In *Anticancer Research*, 2010, vol. 30, no. 9, p. 3661-3668. (1.428 - IF2009). (2010 - Current Contents). ISSN 0250-7005.

Ohlasy:

[1.1] Kwon, G (Kwon, Guyoung)[1,3] ; Kim, HJ (Kim, Hyun Ji)[2,3] ; Park, SJ (Park, Se Jin)[1,3] ; Lee, HE (Lee, Hyung Eun)[1,3] ; Woo, H (Woo, Hyun)[1,3] ; Ahn, YJ (Ahn, Young Je)[1,3] ; Gao, Q (Gao, Qingtao)[1,3] ; Cheong, JH (Cheong, Jae Hoon)[4] ; Jang, DS (Jang, Dae Sik)[1,3] ; Ryu, JH Anxiolytic-like effect of danshensu [(3-(3,4-dihydroxyphenyl)-lactic acid)] in mice LIFE SCIENCES Volume: 101 Issue: 1-2 Pages: 73-78, 2014, WOS

[1.2] QUINN, P.J. The effect of tocopherol on the structure and permeability of phosphatidylcholine liposomes. In *Journal of Controlled Release*, 2012, 160, 2, pp. 158-163., SCOPUS

ADCA218 SULOVA, Zdena - GIBALOVA, Lenka - VAJCNEROVA, Z - POLAKOVA, Eva - UHRIK, Branislav - TYLKOVA, Lucia - KOVAROVA, Annamaria - SEDLAK, Jan - BREIER, Albert. Vincristine-Induced Overexpression of P-Glycoprotein in L1210 Cells Is Associated with Remodeling of Cell Surface Saccharides. In *Journal of Proteome Research*, 2009, vol. 8, no. 2, p. 513-520. (5.684 - IF2008). (2009 - Current Contents). ISSN 1535-3893.

Ohlasy:

[1.1] DE, P. - BALTAS, M. - BEDOS-BELVAL, F. Cinnamic Acid Derivatives as Anticancer Agents-A Review. In *CURRENT MEDICINAL CHEMISTRY*, 2011, vol.18, no.11, 1672., WOS

[1.1] LIN, Hongli - WANG, Dapeng - WU, Taihua - DONG, Cui - SHEN, Nan - SUN, Yuan - SUN, Yanling - XIE, Hua - WANG, Nan - SHAN, Lujuan. Blocking core fucosylation of TGF-beta 1 receptors downregulates their functions and attenuates the epithelial-mesenchymal transition of renal tubular cells. In *AMERICAN JOURNAL OF PHYSIOLOGY-RENAL PHYSIOLOGY*, 2011, vol.300, no.4, f1017., WOS

[1.1] SUDJAIDEE, Pansawut - THEEWASUTRAKUL, Patrakrit - TECHARUNGCHAIKUL, Sirichai - PONGLOWHAPAN, Suppawiwat - CHATDARONG, Kaywalee. Treatment of Canine Transmissible Venereal Tumor Using Vincristine Sulfate Combined with L-Asparaginase in Clinical Vincristine-resistant Cases: A Case Report. In *THAI JOURNAL OF*

- ADCA219 ŠEREŠ, Mário - CHOLUJOVÁ, Dana - BUBENČÍKOVÁ, Táňa - BREIER, Albert - SULOVÁ, Zdena. Tunicamycin Depresses P-Glycoprotein Glycosylation Without an Effect on Its Membrane Localization and Drug Efflux Activity in L1210 Cells. In *International Journal of Molecular Science*, 2011, vol. 12, p. 7772-7784. (2.279 - IF2010). (2011 - Current Contents). ISSN 1422-0067.

Ohlasy:

[1.1] HUTTER, Victoria - CHAU, David Y. S. - HILGENDORF, Constanze - BROWN, Alan - COOPER, Anne - ZANN, Vanessa - PRITCHARD, David I. - BOSQUILLON, Cynthia. Digoxin net secretory transport in bronchial epithelial cell exclusively mediated by P-glycoprotein/MDR1. In *EUROPEAN JOURNAL OF PHARMACEUTICS AND BIOPHARMACEUTICS*. ISSN 0939-6411, 2014, vol. 86, no. 1, pp. 74., WOS

[1.1] JAVAM, M. - AUDETTE, M. C. - IQBAL, M. - BLOISE, E. - GIBB, W. - MATTHEWS, S. G. Effect of oxygen on multidrug resistance in term human placenta. In *PLACENTA*. ISSN 0143-4004, 2014, vol. 35, no. 5, pp. 324., WOS

[1.1] MISRA, Ranjita - DAS, Manasi - SAHOO, Bhabani Sankar - SAHOO, Sanjeeb K. Reversal of multidrug resistance in vitro by co-delivery of MDR1 targeting siRNA and doxorubicin using a novel cationic poly (lactide-co-glycolide) nanoformulation. In *INTERNATIONAL JOURNAL OF PHARMACEUTICS*. ISSN 0378-5173, 2014, vol. 475, no. 1-2, pp. 372., WOS

[1.1] SHANG, Y. - ZHANG, Z. - LIU, Z. - FENG, B. - REN, G. - LI, K. - ZHOU, L. - SUN, Y. - LI, M. - ZHOU, J. - AN, Y. - WU, K. - NIE, Y. - FAN, D. miR-508-5p regulates multidrug resistance of gastric cancer by targeting ABCB1 and ZNRD1. In *ONCOGENE*. ISSN 0950-9232, 2014, vol. 33, no. 25, pp. 3267., WOS

[1.1] WOJTOWICZ, Karolina - SZAFIŁSKI, Witold - JANUCHOWSKI, Radosław - ZAWIERUCHA, Piotr - NOWICKI, Michał - ZABEL, Maciej. Inhibitors of N-glycosylation as a potential tool for analysis of the mechanism of action and cellular localisation of glycoprotein P. In *ACTA BIOCHIMICA POLONICA*. ISSN 0001-527X, 2012, vol. 59, no. 4, pp. 445., WOS

- ADCA220 TYLKOVÁ, Lucia - NOVOTOVÁ, Marta - ZAHRADNÍK, Ivan - KISS, Alexander. Evaluation of changes in secretory granules of atrial myocytes: a morphometric approach. In *Analytical and Quantitative Cytology and Histology*, 2008, vol. 30, no. 1, p. 53-59.

Ohlasy:

[1.2] Korostyshevskaya, I.M. - Maksimov, V.F. Age-related structural and functional characteristics of cardiac myoendocrine cells of rats in a normal state and with hereditary hypertension. In *Russian Journal of Developmental Biology*. ISSN 1062-3604, 2013, vol. 44, no. 2, p. 77-90., SCOPUS

[1.2] KOROSTYSHEVSKAYA, Irina M. - MAKSIMOV, Valery F. - KURGANOV, S. A. Ultrastructural determination of atrial cardiomyocyte secretory activity. In *Cell and Tissue Biology*. ISSN 1990519X, 2013-11-01, 7, 6, pp. 528-538., SCOPUS

ADCA221 ŠTEFÁNIK, P. - MACEJOVÁ, Dana - MRAVEC, Boris - BRTKO, Július - KRIŽANOVÁ, Oľga. Distinct modulation of a gene expression of the type 1 and 2 IP3 receptors by retinoic acid in brain areas. In *Neurochemistry International*, 2005, vol. 46, no. 7, p. 559-564. ISSN 0197-0186.

Ohlasy:

[1.1] Treves, S.; Thurnheer, R.; Mosca, B.; Vukcevic, M.; Bergamelli, L.; Voltan, R.; Oberhauser, V.; Ronjat, M.; Csernoch, L.; Szentesi, P.; Zorzato, F.; SRP-35, a newly identified protein of the skeletal muscle sarcoplasmic reticulum, is a retinol dehydrogenase. *Biochem J.* 2012; 441: 731-41., WOS, WOS

ADCA222 TAKAHASHI, M. - SHIMOMURA, Kenju - PROKS, Peter - CRAIG, Timothy J. - NEGISHI, Mayumi - AKUZAWA, Masako - HAYASHI, Rikuro - SHIMOMURA, Yohnosuke - KOBAYASHI, Isao. A Proposal of Combined Evaluation of Waist Circumference and BMI for the Diagnosis of Metabolic Syndrome. In *Endocrine Journal : the Japan Endocrine Society*, 2009, vol. 56, no. 9, p. 1079-1082. (1.600 - IF2008). (2009 - Current Contents). ISSN 1348-4540.

Ohlasy:

[1.1] DENG, Wei-Wei - WANG, Jing - LIU, Miao-Miao - WANG, Da - ZHAO, Yang - LIU, Yu-Qin - WANG, Hao - DONG, Guang-Hui. Body Mass Index Compared with Abdominal Obesity Indicators in Relation to Prehypertension and Hypertension in Adults: The CHPSNE Study. In *AMERICAN JOURNAL OF HYPERTENSION*. ISSN 0895-7061, 2013, vol. 26, no. 1, pp. 58., WOS

[1.1] FORRESTER-DUMONT, Kim - GALESCU, Ovidiu - KOLESNIKOV, Andrey - RAISSOUNI, Nouhad - BHANGOO, Amrit - TEN, Svetlana - SUSS, Amy. Hyperandrogenism Does Not Influence Metabolic Parameters in Adolescent Girls with PCOS. In *INTERNATIONAL JOURNAL OF ENDOCRINOLOGY*. ISSN 1687-8337, 2012, vol., no., pp., WOS

[1.1] LEE, H. H. - LEE, H. J. - CHO, J. I. - STAMPFER, M. J. - WILLETT, W. C. - KIM, C. I. - CHO, E. Overall and abdominal adiposity and hypertriglyceridemia among Korean adults: the Korea National Health and Nutrition Examination Survey 2007-2008. In *EUROPEAN JOURNAL OF CLINICAL NUTRITION*. ISSN 0954-3007, 2013, vol. 67, no. 1, pp. 83., WOS

[1.1] LIU, Y. - TONG, GH. - TONG, WW. - LU, LP. - QIN, XS. Can body mass index, waist circumference, waist-hip ratio and waist-height ratio predict the presence of multiple metabolic risk factors in Chinese subjects ? IN *BMC PUBLIC HEALTH*. 2011, vol. 11, Article Number:35., WOS

[1.2] BENER, Abdulbari Bari - YOUSAFZAI, Mohammad Tahir - DARWISH, Sarah M. - AL-HAMAM, Abdulla Omar A A - NASRALLA, Eman A. - ABDUL-GHANI, Muhammad A. Obesity index that better predict metabolic syndrome: Body mass index, waist circumference, waist hip ratio, or waist height ratio. In *Journal of Obesity*. ISSN 20900708, 2013-09-23, 2013, pp., SCOPUS

[1.2] GHARIPOUR, Mojgan - SARAFZADEGAN, N. - SADEGHI, Masoumeh - ANDALIB, Elham - TALAIE, Mohammad Reza - SHAFIE, Davood - AGHABABAIE, Esmail. Predictors of metabolic syndrome in the Iranian population: Waist circumference, body mass index, or waist to hip ratio? In *Cholesterol*. ISSN 20901283, 2013-04-29, 2013, pp., SCOPUS

[1.2] SUKA, MacHi - MIWA, Yuichi - ONO, Yoshiki - YANAGISAWA, Hiroyuki. BMI, waist circumference, and clustering of cardiovascular risk factors

in Japanese adults. In Environmental Health and Preventive Medicine. ISSN 1342078X, 2011-03-01, 16, 2, pp. 90-96., SCOPUS

ADCA223 TARABOVÁ, Bohumila - LACINOVÁ, Ľubica - ENGEL, Jutta. Effects of phenylalkylamines and benzothiazepines on Ca(v)1.3-mediated Ca²⁺ currents in neonatal mouse inner hair cells. In *European Journal of Pharmacology*, 2007, vol. 573, iss. 1-3, p. 39-48. (2.522 - IF2006). (2007 - Current Contents). ISSN 0014-2999.

Ohlasy:

[1.1] BERKOWITZ, Bruce A. - GRADY, Edmund Michael - ROBERTS, Robin. Confirming a prediction of the calcium hypothesis of photoreceptor aging in mice. In *NEUROBIOLOGY OF AGING*. ISSN 0197-4580, 2014, vol. 35, no. 8, pp. 1883., WOS

[1.1] BISSIG, David - GOEBEL, Dennis - BERKOWITZ, Bruce A. Diminished Vision in Healthy Aging Is Associated with Increased Retinal L-Type Voltage Gated Calcium Channel Ion Influx. In *PLOS ONE*. ISSN 1932-6203, 2013, vol. 8, no. 2, pp., WOS

[1.1] EARL, Damien E. - TIETZ, Elizabeth I. Inhibition of Recombinant L-Type Voltage-Gated Calcium Channels by Positive Allosteric Modulators of GABA(A) Receptors. In *JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL THERAPEUTICS*, 2011, vol.337, no.1, 301., WOS

[1.1] FANCHAOUY, Mohammed - CUBANO, Luis - MALDONADO, Hector - BYCHKOV, Rostislav. PKC independent inhibition of voltage gated calcium channels by volatile anesthetics in freshly isolated vascular myocytes from the aorta. In *CELL CALCIUM*. ISSN 0143-4160, 2013, vol. 54, no. 4, pp. 257., WOS

[1.1] KENNEDY, Helen J. New Developments in Understanding the Mechanisms and Function of Spontaneous Electrical Activity in the Developing Mammalian Auditory System. In *JARO-JOURNAL OF THE ASSOCIATION FOR RESEARCH IN OTOLARYNGOLOGY*. ISSN 1525-3961, 2012, vol. 13, no. 4, pp. 437., WOS

ADCA224 TARABOVÁ, Bohumila - KUREJOVA, Martina - SULOVÁ, Zdena - DRABOVA, M. - LACINOVÁ, Ľubica. Inorganic mercury and methylmercury inhibit the Ca(v)3.1 channel expressed in human embryonic kidney 293 cells by different mechanisms. In *JOURNAL OF PHARMACOLOGY AND EXPERIMENTAL*, 2006, vol. 317, issue 1, p. 418-427.

Ohlasy:

[1.1] FUENTES-ANTRAS, J. - OSORIO-MARTINEZ, E. - RAMIREZ-TORRES, M. - COLMENA, I. - FERNANDEZ-MORALES, J. C. - HERNANDEZ-GUIJO, J. M. Methylmercury decreases cellular excitability by a direct blockade of sodium and calcium channels in bovine chromaffin cells: an integrative study. In *PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY*. ISSN 0031-6768, 2013, vol. 465, no. 12, pp. 1727., WOS

[1.1] SONG, Jooyoung - OH, Hyuntaek - KONG, Hyeyoung - JANG, Jyongsik. Polyrhodanine modified anodic aluminum oxide membrane for heavy metal ions removal. In *JOURNAL OF HAZARDOUS MATERIALS*, 2011, vol.187, no.1-3, 311., WOS

[1.1] XU, Shang-Zhong - ZENG, Bo - DASKOULIDOU, Nikoleta - CHEN, Gui-Lan - ATKIN, Stephen L. - LUKHELE, Bhekithemba. Activation of TRPC

Cationic Channels by Mercurial Compounds Confers the Cytotoxicity of Mercury Exposure. In TOXICOLOGICAL SCIENCES. ISSN 1096-6080, 2012, vol. 125, no. 1, pp. 56., WOS

[1.2] SUPPIRAMANIAM, V. - BUABEID, M. - BHATTACHARYA, S. - PARAMESHWARAN, K. Ion Channels. In Reference Module in Biomedical Research, 2014-12-15, pp., SCOPUS

ADCA225 TENCEROVÁ, Barbora - ZAHRADNÍKOVÁ, Alexandra - GABURJÁKOVÁ, Jana - GABURJÁKOVÁ, Marta. Luminal Ca²⁺ controls activation of the cardiac ryanodine receptor by ATP. In *Journal of General Physiology*, 2012, vol.140., p. 93-108. (3.841 - IF2011). (2012 - Current Contents). ISSN 0022-1295. LSHM-CT-2005-018802/CONTICA, LSHM-CT-2005-018833/EUGeneHeart, VEGA 2/0033/11, 2/0190/10, APVV-SK-CZ-0172-09, TRANSMED.

Ohlasy:

[1.1] DULHUNTY, Angela F. - BEARD, Nicole A. - HANNA, Amy D. Regulation and dysregulation of cardiac ryanodine receptor (RyR2) open probability during diastole in health and disease. In JOURNAL OF GENERAL PHYSIOLOGY. ISSN 0022-1295, 2012, vol. 140, no. 2, pp. 87., WOS

[1.1] GILLESPIE, Dirk - FILL, Michael. Pernicious attrition and inter-RyR2 CICR current control in cardiac muscle. In JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY. ISSN 0022-2828, 2013, vol. 58, no., pp. 53., WOS

[1.1] CHEN, Haiyan - VALLE, Giorgia - FURLAN, Sandra - NANI, Alma - GYORKE, Sandor - FILL, Michael - VOLPE, Pompeo. Mechanism of calsequestrin regulation of single cardiac ryanodine receptor in normal and pathological conditions. In JOURNAL OF GENERAL PHYSIOLOGY. ISSN 0022-1295, 2013, vol. 142, no. 2, pp. 127., WOS

[1.1] RADWANSKI, Przemyslaw B. - BELEVYCH, Andriy E. - BRUNELLO, Lucia - CARNES, Cynthia A. - GYOERKE, Sandor. Store-dependent deactivation: Cooling the chain-reaction of myocardial calcium signaling. In JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY. ISSN 0022-2828, 2013, vol. 58, no., pp. 77., WOS

[1.1] WALKER, Mark A. - WILLIAMS, George S. B. - KOHL, Tobias - LEHNART, Stephan E. - JAFRI, M. Saleet - GREENSTEIN, Joseph L. - LEDERER, W. J. - WINSLOW, Raimond L. Superresolution Modeling of Calcium Release in the Heart. In BIOPHYSICAL JOURNAL. ISSN 0006-3495, 2014, vol. 107, no. 12, pp. 3009., WOS

ADCA226 TERENTYEV, D. - KUBALOVA, Zuzana - VALLE, G. - NORI, A. - VEDAMOORTHYRAO, S. - TERENTYEVA, R. - VIATCHENKO-KARPINSKI, S. - BERS, D. M. - WILLIAMS, S. C. - VOLPE, P. - GYORKE, S. Modulation of SR Ca release by luminal Ca and calsequestrin in cardiac myocytes: Effects of CASQ2 mutations linked to sudden cardiac death. In *BIOPHYSICAL JOURNAL*, 2008, vol. 95, issue 4, p. 2037-2048. ISSN 0006-3495.

Ohlasy:

[1.1] ALCALAI, Ronny - WAKIMOTO, Hiroko - ARAD, Michael - PLANER, David - KONNO, Tetsuo - WANG, Libin - SEIDMAN, Jon G. - SEIDMAN, Christine E. - BERUL, Charles I. Prevention of Ventricular Arrhythmia and Calcium Dysregulation in a Catecholaminergic Polymorphic

Ventricular Tachycardia Mouse Model Carrying Calsequestrin-2 Mutation. In JOURNAL OF CARDIOVASCULAR ELECTROPHYSIOLOGY, 2011, vol.22, no.3, 316., WOS

[1.1] GUO, Tao - GILLESPIE, Dirk - FILL, Michael. Ryanodine Receptor Current Amplitude Controls Ca²⁺ Sparks in Cardiac Muscle. In CIRCULATION RESEARCH. ISSN 0009-7330, 2012, vol. 111, no. 1, pp. 28., WOS

[1.1] HWANG, Hyun Seok - HASDEMIR, Can - LAVER, Derek - MEHRA, Divya - TURHAN, Kutsal - FAGGIONI, Michela - YIN, Huiyong - KNOLLMANN, Bjoern C. Inhibition of Cardiac Ca²⁺ Release Channels (RyR2) Determines Efficacy of Class I Antiarrhythmic Drugs in Catecholaminergic Polymorphic Ventricular Tachycardia. In CIRCULATION-ARRHYTHMIA AND ELECTROPHYSIOLOGY, 2011, vol.4, no.2, 128., WOS

[1.1] LEE, Dukgyu - OKA, Tatsujiro - HUNTER, Beth - ROBINSON, Alison - PAPP, Sylvia - NAKAMURA, Kimitoshi - SRISAKULDEE, Wattamon - NICKEL, Barbara E. - LIGHT, Peter E. - DYCK, Jason R. B. - LOPASCHUK, Gary D. - KARDAMI, Elissavet - OPAS, Michal - MICHALAK, Marek. Calreticulin Induces Dilated Cardiomyopathy. In PLOS ONE. ISSN 1932-6203, 2013, vol. 8, no. 2, pp., WOS

[1.1] LIU, Nian - DENEGRİ, Marco - DUN, Wen - BONCOMPAGNI, Simona - LODOLA, Francesco - PROTASI, Feliciano - NAPOLITANO, Carlo - BOYDEN, Penelope A. - PRIORI, Silvia G. Abnormal Propagation of Calcium Waves and Ultrastructural Remodeling in Recessive Catecholaminergic Polymorphic Ventricular Tachycardia. In CIRCULATION RESEARCH. ISSN 0009-7330, 2013, vol. 113, no. 2, pp. 142., WOS

[1.1] NAPOLITANO, Carlo - LIU, Nian - PRIORI, Silvia G. Role of calmodulin kinase in catecholaminergic polymorphic ventricular tachycardia. In HEART RHYTHM, 2011, vol.8, no.10, 1601., WOS

[1.1] NOVAK, P. - SOUKUP, T. Calsequestrin Distribution, Structure and Function, Its Role in Normal and Pathological Situations and the Effect of Thyroid Hormones. In PHYSIOLOGICAL RESEARCH, 2011, vol.60, no.3, 439., WOS

[1.1] PRINS, Daniel - MICHALAK, Marek. Organellar Calcium Buffers. In COLD SPRING HARBOR PERSPECTIVES IN BIOLOGY, 2011, vol.3, no.3., WOS

[1.1] PRIORI, Silvia G. - CHEN, S. R. Wayne. Inherited Dysfunction of Sarcoplasmic Reticulum Ca²⁺ Handling and Arrhythmogenesis. In CIRCULATION RESEARCH, 2011, vol.108, no.7, 871., WOS

[1.1] SANCHEZ, Emiliano J. - HAYES, Robert P. - BARR, John T. - LEWIS, Kevin M. - WEBB, Brian N. - SUBRAMANIAN, Arun K. - NISSEN, Mark S. - JONES, Jeffrey P. - SHELDEN, Eric A. - SORG, Barbara A. - FILL, Michael - SCHENK, James O. - KANG, ChulHee. Potential role of cardiac calsequestrin in the lethal arrhythmic effects of cocaine. In DRUG AND ALCOHOL DEPENDENCE. ISSN 0376-8716, 2013, vol. 133, no. 2, pp. 344., WOS

[1.1] SONG, Dong Woo - LEE, Jung-Gyu - YOUN, Hyung-Seop - EOM, Soo Hyun - KIM, Do Han. Ryanodine receptor assembly: A novel systems biology approach to 3D mapping. In PROGRESS IN BIOPHYSICS & MOLECULAR BIOLOGY, 2011, vol.105, no.3, 145., WOS

[1.1] SONG, Je Seon - HWANG, Dong Hwan - KIM, Seong-Oh - JEON, Mijeong - CHOI, Byung-Jai - JUNG, Han-Sung - MOON, Seok Jun - PARK,

- Wonse - CHOI, Hyung-Jun. Comparative Gene Expression Analysis of the Human Periodontal Ligament in Deciduous and Permanent Teeth. In PLOS ONE. ISSN 1932-6203, 2013, vol. 8, no. 4, pp., WOS
- [1.1] SUNG, Ruey J. - LO, Chu-Pin - HSIAO, Pi Yin - TIEN, Hui-Chun. Targeting intracellular calcium cycling in catecholaminergic polymorphic ventricular tachycardia: a theoretical investigation. In AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY, 2011, vol.301, no.4, h1625., WOS
- [1.1] TIAN, Xixi - TANG, Yijun - LIU, Yingjie - WANG, Ruiwu - CHEN, S. R. Wayne. Calmodulin modulates the termination threshold for cardiac ryanodine receptor-mediated Ca²⁺ release. In BIOCHEMICAL JOURNAL. ISSN 0264-6021, 2013, vol. 455, no., pp. 367., WOS
- [1.1] WEISS, James N. - NIVALA, Michael - GARFINKEL, Alan - QU, Zhilin. Alternans and Arrhythmias From Cell to Heart. In CIRCULATION RESEARCH, 2011, vol.108, no.1, 98., WOS
- [1.2] CANNELL, M.B. - KONG, C.H.T. Local control in cardiac E-C coupling. In Journal of Molecular and Cellular Cardiology, 2012, 52, 2, pp. 298-303., SCOPUS
- [1.2] HSIAO, Pi Yin - TIEN, Hui Chun - LO, Chu Pin - JUANG, Jyh Ming Jimmy - WANG, Yi Hsin - SUNG, Ruey J. Gene mutations in cardiac arrhythmias: A review of recent evidence in ion channelopathies. In Application of Clinical Genetics. ISSN 1178704X, 2013-01-17, 6, pp., SCOPUS
- [1.2] KORNIEYEV, D. - PETROSKY, A.D. - ZEPEDA, B. - FERREIRO, M. - KNOLLMANN, B. - ESCOBAR, A.L. Calsequestrin 2 deletion shortens the refractoriness of Ca²⁺ release and reduces rate-dependent Ca²⁺-alternans in intact mouse hearts. In Journal of Molecular and Cellular Cardiology, 2012, 52, 1, pp. 21-31., SCOPUS
- [1.2] LANNER, J.T. Ryanodine receptor physiology and its role in disease. In Advances in Experimental Medicine and Biology, 2012, 740, pp. 217-234., SCOPUS
- [1.2] LEE, K.W. - MAENG, J.-S. - CHOI, J.Y. - LEE, Y.R. - HWANG, C.Y. - PARK, S.S. - PARK, H.K. - CHUNG, B.H. - LEE, S.-G. - KIM, Y.-S. - JEON, H. - EOM, S.H. - KANG, C. - KIM, D.H. - KWON, K.-S. Role of junctin protein interactions in cellular dynamics of calsequestrin polymer upon calcium perturbation. In Journal of Biological Chemistry, 2012, 287, 3, pp. 1679-1687., SCOPUS
- [1.2] MEZU, U.L. - SINGH, P. - SHUSTERMAN, V. - HWANG, H.-S. - KNOLLMANN, B.C. - NĚMEC, J. Accelerated junctional rhythm and nonalternans repolarization lability precede ventricular tachycardia in Casq2^{-/-} mice. In Journal of Cardiovascular Electrophysiology, 2012, 23, 12, pp. 1355-1363., SCOPUS
- [1.2] RUEDA, Angélica - DE ALBA-AGUAYO, David R. - VALDIVIA, Héctor H. Ryanodine receptor, calcium leak and arrhythmias | Receptor de rianodina, fuga de calcio y arritmias. In Archivos de Cardiología de Mexico. ISSN 14059940, 2014, 84, 3, pp. 191-201., SCOPUS
- [1.2] SIMKÓ, J. - SZABÓ, Z. - BARTA, K. - ÚJVÁROSI, D. - NÁNÁSI, P. - LORINCZ, I. Molecular and genetic background of sudden cardiac death | A hirtelen szívhálál molekuláris és genetikai háttere. In Orvosi Hetilap, 2012, 153, 50, pp. 1967-1983., SCOPUS
- [1.2] SOBIE, E.A. - LEDERER, W.J. Dynamic local changes in

sarcoplasmic reticulum calcium: Physiological and pathophysiological roles. In *Journal of Molecular and Cellular Cardiology*, 2012, 52, 2, pp. 304-311., SCOPUS

[1.2] STATHOPOULOS, P.B. - SEO, M.-D. - ENOMOTO, M. - AMADOR, F.J. - ISHIYAMA, N. - IKURA, M. Themes and variations in ER/SR calcium release channels: Structure and function. In *Physiology*, 2012, 27, 6, pp. 331-342., SCOPUS

[1.2] THANACOODY, Ruben H K. Thioridazine: The good and the bad. In *Recent Patents on Anti-Infective Drug Discovery*. ISSN 1574891X, 2011-07-11, 6, 2, pp. 92-98., SCOPUS

[1.2] WATERS, Steve B. - DIAK, Douglass M. - ZUCKERMANN, Matthew - GOLDSPIK, Paul H. - LEONI, Lara - ROMAN, Brian B. Genetic background influences adaptation to cardiac hypertrophy and Ca²⁺ handling gene expression. In *Frontiers in Physiology*, 2013-09-17, 4 MAR, pp., SCOPUS

ADCA227 THURZO, Ilja - GMUCOVÁ, Katarína - ORLICKÝ, Jozef - PAVLÁSEK, Juraj. Introduction to a kinetics-sensitive double-step voltammetry. Juraj Pavlásek. In *Review of Scientific Instruments*, 1999, vol. 70, no. 9, p. 3723-3734. (1.180 - IF1998). (1999 - Current Contents, SCOPUS). ISSN 0034-6748.

Ohlasy:

[3] SCHAUER, F.- NADÁŽDY, V. - LÁNYI, Š. CdS nanoparticles surfactant removal transport study by transient charge measurements. In: *PROCEEDINGS OF WORLD RENEWABLE ENERGY CONGRESS 2011*, MAY 8-13, 2011, Linköping, Sweden: WREC 2011. ISBN 1650-3686. Linköping: Linköping University Electronic Press, 2011, pp. 2823-2829.

ADCA228 TILLINGER, Andrej - BRÚDEROVÁ, V. - KUBOVČÁKOVÁ, Lucia - ZEMAN, Michal - KOPÁČEK, Juraj - NOVÁKOVÁ, M. - KVETŇANSKÝ, Richard - KRIŽANOVÁ, Oľga. Gene expression of the phenylethanolamine N-methyltransferase is differently modulated in cardiac atria and ventricles. In *General physiology and biophysics*, 2006, vol. 25, iss. 4, p. 355-364. (0.560 - IF2005). (2006 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] Costa, VM ; Carvalho, F ; Bastos, ML ; Carvalho, RA ; Carvalho, M ; Remiao, F. Contribution of Catecholamine Reactive Intermediates and Oxidative Stress to the Pathologic Features of Heart Diseases *CURRENT MEDICINAL CHEMISTRY* Volume: 18 Issue: 15 Pages: 2272-2314 2011, WOS

[1.1] OSUALA, Kingsley - TELUSMA, Kathleen - KHAN, Saad M. - WU, Shandong - SHAH, Mubarak - BAKER, Candice - ALAM, Sabikha - ABUKENDA, Ibrahim - FUENTES, Aura - SEIFEIN, Hani B. - EBERT, Steven N. Distinctive Left-Sided Distribution of Adrenergic-Derived Cells in the Adult Mouse Heart. In *PLOS ONE*, 2011, vol.6, no.7., WOS

[1.1] WONG, Dona Lee - TAI, T. C. - WONG-FAULL, David C. - CLAYCOMB, Robert - MELONI, Edward G. - MYERS, Karyn M. - CARLEZON, William A. - KVETNANSKY, Richard. Epinephrine: A Short- and Long-Term Regulator of Stress and Development of Illness A Potential New Role for Epinephrine in Stress. In *CELLULAR AND MOLECULAR NEUROBIOLOGY*. ISSN 0272-4340, 2012, vol. 32, no. 5, pp. 737., WOS

ADCA229 TILLINGER, Andrej - NOVAKOVA, Marie - PAVLOVIČOVÁ, Michaela - LACINOVÁ, Ľubica - ZATŇOVIČOVÁ, Miriam - PASTOREKOVÁ, Silvia - KRIŽANOVÁ, Oľga - KVETŇANSKÝ, Richard. Modulation by 6-hydroxydopamine of expression of the phenylethanolamine N-methyltransferase (PNMT) gene in the rat heart during immobilization stress. In *Stress : the international journal on the biology of stress*, 2006, vol. 9, iss. 4, p. 207-213. (2.967 - IF2005). (2006 - Current Contents). ISSN 1025-3890.

Ohlasy:

[1.1] Costa, VM; Carvalho, F ; Bastos, ML ; Carvalho, RA ; Carvalho, M ; Remiao, F . Contribution of Catecholamine Reactive Intermediates and Oxidative Stress to the Pathologic Features of Heart Diseases CURRENT MEDICINAL CHEMISTRY Volume: 18 Issue: 15 Pages: 2272-2314 2011, WOS

[1.1] Osuala, K ; Telusma, K ; Khan, SM ; Wu, SD ; Shah, M.; Baker, C ; Alam, S ; Abukenda, I, Fuentes, A ; Seifein, HB; Ebert, S. Distinctive Left-Sided Distribution of Adrenergic-Derived Cells in the Adult Mouse Heart PLOS ONE Volume: 6 Issue: 7 Article Number: e22811 2011, WOS

ADCA230 TOMÁŠKOVÁ, Zuzana - GABURJÁKOVÁ, Jana - BREZOVÁ, Anna - GABURJÁKOVÁ, Marta. Inhibition of anion channels derived from mitochondrial membranes of the rat heart by stilbene disulfonate-DIDS. In *Journal of Bioenergetics and Biomembranes*, 2007, vol. 39, iss. 4, p. 301-311. ISSN 0145-479X.

Ohlasy:

[1.1] HORTON, Kristin L. - PEREIRA, Mark P. - STEWART, Kelly M. - FONSECA, Sonali B. - KELLEY, Shana O. Tuning the Activity of Mitochondria-Penetrating Peptides for Delivery or Disruption. In CHEMBIOCHEM. ISSN 1439-4227, 2012, vol. 13, no. 3, pp. 476., WOS

[1.1] SZABO, Ildiko - ZORATTI, Mario. MITOCHONDRIAL CHANNELS: ION FLUXES AND MORE. In PHYSIOLOGICAL REVIEWS. ISSN 0031-9333, 2014, vol. 94, no. 2, pp. 519., WOS

[1.1] ZHANG XIAN-CHEN - GAO HONG-JIAN - ZHANG ZHENG-ZHU - WAN XIAO-CHUN. Influences of different ion channel inhibitors on the absorption of fluoride in tea plants (*Camellia sinensis* L.). In PLANT GROWTH REGULATION. ISSN 0167-6903, 2013, vol. 69, no. 1, pp. 99., WOS

[1.2] XIAN-CHEN, Zhang - HONG-JIAN, Gao - ZHENG-ZHU, Zhang - XIAO-CHUN, Wan. Influences of different ion channel inhibitors on the absorption of fluoride in tea plants (*Camellia sinensis* L.). In Plant Growth Regulation. ISSN 01676903, 2013-01-01, 69, 1, pp. 99-106., SCOPUS

ADCA231 TOMÁŠKOVÁ, Zuzana - ČAČÁNYIOVÁ, Soňa - BENČO, Andrej - KRISTEK, František - DUGOVIČOVÁ, Lea - HRBÁČ, Jan - ONDRIAS, Karol. Lipids modulate H₂S/HS- induced NO release from S-nitrosoglutathione. In *Biochemical and Biophysical Research Communications*, 2009, vol. 390, no. 4, p. 1241-1244. (2.648 - IF2008). (2009 - Current Contents). ISSN 0006-291X.

Ohlasy:

[1.1] HUA, W. - ZHOU, S.L. - GONG, F.Q. Biphasic regulation of hydrogen sulfide in inflammation. In CHINESE MEDICAL JOURNAL. 2013, vol. 126, iss. 7, p. 1360-1363., WOS

[1.1] LI, Q. - LANCASTER Jr., J.R. Chemical foundations of hydrogen

sulfide biology. In NITRIC OXIDE - BIOLOGY AND CHEMISTRY. 2013, vol. 35, p. 21 - 34., WOS

[1.1] MANCARDI, D. - PLA, A.F. - MOCCIA, F. - TANZI, F. - MUNARON, L. Old and New Gasotransmitters in the Cardiovascular System: Focus on the Role of Nitric Oxide and Hydrogen Sulfide in Endothelial Cells and Cardiomyocytes. In CURRENT PHARMACEUTICAL BIOTECHNOLOGY. ISSN 1389-2010, SEP 2011, vol. 12, no. 9, p. 1406-1415., WOS

[1.1] MASHA, A. - DINATALE, S. - ALLASIA, S. - MARTINA, V. Role of the Decreased Nitric Oxide Bioavailability in the Vascular Complications of Diabetes Mellitus. In CURRENT PHARMACEUTICAL BIOTECHNOLOGY. ISSN 1389-2010, SEP 2011, vol. 12, no. 9, p. 1354-1363., WOS

[1.1] MODIS, Katalin - BOS, Eelke M. - CALZIA, Enrico - VAN GOOR, Harry - COLETTA, Ciro - PAPAPETROPOULOS, Andreas - HELLMICH, Mark R. - RADERMACHER, Peter - BOUILLAUD, Frederic - SZABO, Csaba. Regulation of mitochondrial bioenergetic function by hydrogen sulfide. Part II. Pathophysiological and therapeutic aspects. In BRITISH JOURNAL OF PHARMACOLOGY. ISSN 0007-1188, 2014, vol. 171, no. 8, pp. 2123., WOS

[1.1] PREDMORE, B.L. - LEFER, D.J. - GOJON, G. Hydrogen Sulfide in Biochemistry and Medicine. In ANTIOXIDANTS & REDOX SIGNALING. ISSN 1523-0864, JUL 2012, vol. 17, no. 1, p. 119-140., WOS

[1.1] SZABO, C. - PAPAPETROPOULOS, A. Hydrogen sulphide and angiogenesis: mechanisms and applications. In BRITISH JOURNAL OF PHARMACOLOGY. ISSN 0007-1188, OCT 2011, vol. 164, no. 3, SI, p. 853-865., WOS

[1.2] MASHA, A. - MARTINA, V. Ruolo della ridotta biodisponibilità di ossido nitrico nelle complicanze vascolari del diabete mellito [Role of reduced bioavailability on nitric oxide in the vascular complications of diabetes mellitus]. In GIORNALE ITALIANO DI DIABETOLOGIA E METABOLISMO, 2012, vol. 32, no. 4, p.182-190., SCOPUS

ADCA232 TOMÁŠKOVÁ, Zuzana - ONDŘIAŠ, Karol. Mitochondrial chloride channels - What are they for? In *FEBS Letters*, 2010, vol. 584, no. 10, p. 2085-2092. (3.541 - IF2009). (2010 - Current Contents). ISSN 0014-5793.

Ohlasy:

[1.1] ARNTZEN, M.Q. - THIEDE, B. ApoptoProteomics, an integrated database or analysis of proteomics data obtained from apoptotic cells. In MOLECULAR AND CELLULAR PROTEOMICS, 2012, vol. 11, no. 2., WOS

[1.1] ASHRAFOUR, M. - BABAEI, J.F. - DAGHIRI, R. - SEPEHRI, H. - SHARIFI, H. Modulation of the hepatocyte rough endoplasmic reticulum single chloride channel by nucleotide-Mg²⁺ interaction. In PLUGERS ARCHIV EUROPEAN JOURNAL OF PHYSIOLOGY, 2012, vol. 464, no. 2, p. 175-182, WOS

[1.1] RASSOW, J. - MEINECKE, M. Helicobacter pylori VacA: A new perspective on an invasive chloride channel. In MICROBES AND INFECTION, 2012, vol. 14, no. 12, p. 1026-1033, WOS

[1.2] AKOPOVA, O. V. - NOSAR, Valentyna I. - KOLCHINSKAYA, L. I. - MANKOVSKA, Irina N. - MALYSHEVA, M. K. - SAGACH, Vadim F. The effect of potential-dependent potassium uptake on membrane potential in rat brain mitochondria. In Ukrain'skyi Biokhimichnyi Zhurnal. ISSN 02018470, 2013-06-03, 85, 1, pp. 33-41., SCOPUS

- [1.2] BONDARENKO, Alexander I. - JEAN-QUARTIER, Claire - MALLI, Roland - GRAIER, Wolfgang F. Characterization of distinct single-channel properties of Ca²⁺ inward currents in mitochondria. In *Pflugers Archiv European Journal of Physiology*. ISSN 00316768, 2013-07-01, 465, 7, pp. 997-1010., SCOPUS
- [1.2] MANKO, Bohdan O. - KLEVETS, Myron Yu - MANKO, Volodymyr V. An implication of novel methodology to study pancreatic acinar mitochondria under in situ conditions. In *Cell Biochemistry and Function*. ISSN 02636484, 2013-03-01, 31, 2, pp. 115-121., SCOPUS
- [1.2] SZABO, Ildiko - ZORATTI, Mario. Mitochondrial channels: Ion fluxes and more. In *Physiological Reviews*. ISSN 00319333, 2014-01-01, 94, 2, pp. 519-608., SCOPUS

ADCA233 TOMÁŠKOVÁ, Zuzana - GABURJÁKOVÁ, Marta. The cardiac ryanodine receptor: Looking for anomalies in permeation properties. In *BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES*, 2008, vol. 1778, issue 11, p.2564-2572.

Ohlasy:

- [1.2] VIERO, C. - THOMAS, N.L. - EUDEN, J. - MASON, S.A. - GEORGE, C.H. - WILLIAMS, A.J. Techniques and methodologies to study the ryanodine receptor at the molecular, subcellular and cellular level. In *Advances in Experimental Medicine and Biology*, 2012, 740, pp. 183-215., SCOPUS

ADCA234 UHRÍK, Branislav - NOVOTOVÁ, Marta - ZACHAR, Jozef. A quantitative estimation of components in crayfish muscle fibres by stereological methods. In *Pflug.Arch.Eur.J.Phy*, 1980, vol. 387, p. 281-286.

Ohlasy:

- [1.1] ALIEV, M.K. - TIKHONOV, A.N. Obstructed metabolite diffusion within skeletal muscle cells in silico. In *MOLECULAR AND CELLULAR BIOCHEMISTRY*. ISSN 0300-8177, DEC 2011, vol. 358, no. 1-2, p. 105-119., WOS

ADCA235 VADASZOVÁ, A. - HUDECOVÁ, Soňa - KRIŽANOVÁ, Oľga - SOUKUP, T. Levels of myosin heavy chain mRNA transcripts and protein isoforms in the fast extensor digitorum longus muscle of 7-month-old rats with chronic thyroid status alterations. In *Physiological Research*, 2006, vol. 55, no. 6, p. 707-710. (1.806 - IF2005). (2006 - Current Contents). ISSN 0862-8408.

Ohlasy:

- [1.1] SHI, X. E. - SONG, Z. Y. - YANG, Q. M. - LIU, Y. G. - YANG, G. S. Correlation of forkhead box transcription factor O1 and myosin heavy chain isoforms in porcine skeletal muscle. In *GENETICS AND MOLECULAR RESEARCH*. ISSN 1676-5680, 2014, vol. 13, no. 4, pp. 10231., WOS

ADCA236 VALENT, Ivan - ZAHRADNÍKOVÁ, Alexandra - PAVELKOVÁ, Jana - ZAHRADNÍK, Ivan. Spatial and temporal Ca²⁺, Mg²⁺, and ATP(2-) dynamics in cardiac dyads during calcium release. In *Biochimica et Biophysica Acta : biomembranes*, 2007, vol. 1768, p. 155-166. (3.587 - IF2006). ISSN 0005-2736.

Ohlasy:

- [1.1] CANNELL, M. B. - KONG, Cherrie H. T. Local control in cardiac E-C coupling. In *JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY*. ISSN 0022-2828, 2012, vol. 52, no. 2, pp. 298., WOS

- [1.1] HAKE, Johan - EDWARDS, Andrew G. - YU, Zeyun - KEKENES-HUSKEY, Peter M. - MICHAILOVA, Anushka P. - MCCAMMON, J. Andrew - HOLST, Michael J. - HOSHIJIMA, Masahiko - MCCULLOCH, Andrew D. Modelling cardiac calcium sparks in a three-dimensional reconstruction of a calcium release unit. In JOURNAL OF PHYSIOLOGY-LONDON. ISSN 0022-3751, 2012, vol. 590, no. 18, pp. 4403., WOS
- [1.1] LEE, Young-Seon - LIU, Ona Z. - SOBIE, Eric A. Decoding myocardial Ca²⁺ signals across multiple spatial scales: A role for sensitivity analysis. In JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY. ISSN 0022-2828, 2013, vol. 58, no., pp. 92., WOS
- [1.1] NOVAKOVA, A. - SCHREIBEROVA, L. - SCHREIBER, I. Study of dynamics of glucose-glucose oxidase-ferricyanide reaction. In RUSSIAN JOURNAL OF PHYSICAL CHEMISTRY A. ISSN 0036-0244, 2011, vol. 85, no. 13, pp. 2305., WOS
- [1.1] SWIETACH, Pawel - YOUM, Jae-Boum - SAEGUSA, Noriko - LEEM, Chae-Hun - SPITZER, Kenneth W. - VAUGHAN-JONES, Richard D. Coupled Ca²⁺/H⁺ transport by cytoplasmic buffers regulates local Ca²⁺ and H⁺ ion signaling. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. ISSN 0027-8424, 2013, vol. 110, no. 22, pp. E2064., WOS

ADCA237 VANDAELE, David Henry - MARCANTONI, Andrea - MAHAPATRA, Satyajit - CARO, Anton - RUTH, Peter - ZUCCOTTI, Annalisa - KNIPPER, Marlies - CARBONE, Emilio. Ca(v)_{1.3} and BK channels for timing and regulating cell firing. In *Molecular Neurobiology*, 2010, vol. 42, no. 3, p. 185-198. (4.735 - IF2009). ISSN 0893-7648.

Ohlasy:

- [1.1] BALL, Sherry L. - MCENERY, Maureen W. - YUNKER, Anne Marie R. - SHIN, Hee-Sup - GREGG, Ronald G. Distribution of voltage gated calcium channel beta subunits in the mouse retina. In BRAIN RESEARCH. ISSN 0006-8993, 2011, vol. 1412, no., pp. 1., WOS
- [1.1] CATALDI, Mauro. The Changing Landscape of Voltage-Gated Calcium Channels in Neurovascular Disorders and in Neurodegenerative Diseases. In CURRENT NEUROPHARMACOLOGY. ISSN 1570-159X, 2013, vol. 11, no. 3, pp. 276., WOS
- [1.1] COLOMER, Claude - MARTIN, Agnes O. - DESARMENIEN, Michel G. - GUERINEAU, Nathalie C. Gap junction-mediated intercellular communication in the adrenal medulla: An additional ingredient of stimulus-secretion coupling regulation. In BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES. ISSN 0005-2736, 2012, vol. 1818, no. 8, pp. 1937., WOS
- [1.1] COLWELL, Christopher S. Linking neural activity and molecular oscillations in the SCN. In NATURE REVIEWS NEUROSCIENCE. ISSN 1471-003X, 2011, vol. 12, no. 10, pp. 553., WOS
- [1.1] DOPICO, Alejandro M. - BUKIYA, Anna N. - SINGH, Aditya K. Large conductance, calcium- and voltage-gated potassium (BK) channels: Regulation by cholesterol. In PHARMACOLOGY & THERAPEUTICS. ISSN 0163-7258, 2012, vol. 135, no. 2, pp. 133., WOS
- [1.1] FRANCE, M. - BHATTARAI, Y. - GALLIGAN, J. J. - XU, H.

- Impaired propulsive motility in the distal but not proximal colon of BK channel beta 1-subunit knockout mice. In *NEUROGASTROENTEROLOGY AND MOTILITY*. ISSN 1350-1925, 2012, vol. 24, no. 9, pp. e450., WOS
- [1.1] HECKMAN, C. A. - PLUMMER, H. K. Filopodia as sensors. In *CELLULAR SIGNALLING*. ISSN 0898-6568, 2013, vol. 25, no. 11, pp. 2298., WOS
- [1.1] HODNE, Kjetil - STRANDABO, Ronnaug A. U. - VON KROGH, Kristine - NOURIZADEH-LILLABADI, Rasoul - SAND, Olav - WELTZIEN, Finn-Arne - HAUG, Trude M. Electrophysiological Differences Between fshb- and lhb-Expressing Gonadotropes in Primary Culture. In *ENDOCRINOLOGY*. ISSN 0013-7227, 2013, vol. 154, no. 9, pp. 3319., WOS
- [1.1] HULTBORN, Hans - ZHANG, Mengliang - MEEHAN, Claire F. Control and Role of Plateau Potential Properties in the Spinal Cord. In *CURRENT PHARMACEUTICAL DESIGN*. ISSN 1381-6128, 2013, vol. 19, no. 24, pp. 4357., WOS
- [1.1] LU, Tom Z. - FENG, Zhong-Ping. NALCN: A Regulator of Pacemaker Activity. In *MOLECULAR NEUROBIOLOGY*. ISSN 0893-7648, 2012, vol. 45, no. 3, pp. 415., WOS
- [1.1] MARTINEZ-ESPINOSA, Pedro L. - YANG, Chengtao - GONZALEZ-PEREZ, Vivian - XIA, Xiao-Ming - LINGLE, Christopher J. Knockout of the BK beta 2 subunit abolishes inactivation of BK currents in mouse adrenal chromaffin cells and results in slow-wave burst activity. In *JOURNAL OF GENERAL PHYSIOLOGY*. ISSN 0022-1295, 2014, vol. 144, no. 4, pp. 275., WOS
- [1.1] MEHRANFARD, Nasrin - GHOLAMIPOUR-BADIE, Hamid - MOTAMEDI, Fereshteh - JANAHMADI, Mahyar - NADERI, Nima. The Effect of Paxilline on Early Alterations of Electrophysiological Properties of Dentate Gyrus Granule Cells in Pilocarpine-Treated Rats. In *IRANIAN JOURNAL OF PHARMACEUTICAL RESEARCH*. ISSN 1735-0328, 2014, vol. 13, no., pp. 125., WOS
- [1.1] RAMIREZ-LATORRE, Jose A. Functional Upregulation of Ca²⁺-Activated K⁺ Channels in the Development of Substantia Nigra Dopamine Neurons. In *PLOS ONE*. ISSN 1932-6203, 2012, vol. 7, no. 12, pp., WOS
- [1.1] REHAK, Renata - BARTOLETTI, Theodore M. - ENGBERS, Jordan D. T. - BERECKI, Geza - TURNER, Ray W. - ZAMPONI, Gerald W. Low Voltage Activation of KCa1.1 Current by Cav3-KCa1.1 Complexes. In *PLOS ONE*. ISSN 1932-6203, 2013, vol. 8, no. 4, pp., WOS
- [1.1] TABAK, Joel - TOMAIUOLO, Maurizio - GONZALEZ-IGLESIAS, Arturo E. - MILESCU, Lorin S. - BERTRAM, Richard. Fast-Activating Voltage- and Calcium-Dependent Potassium (BK) Conductance Promotes Bursting in Pituitary Cells: A Dynamic Clamp Study. In *JOURNAL OF NEUROSCIENCE*. ISSN 0270-6474, 2011, vol. 31, no. 46, pp. 16855., WOS
- [1.1] TUCKWELL, Henry C. Quantitative aspects of L-type Ca²⁺ currents. In *PROGRESS IN NEUROBIOLOGY*. ISSN 0301-0082, 2012, vol. 96, no. 1, pp. 1., WOS
- [1.1] TUCKWELL, Henry C. - PENINGTON, Nicholas J. Computational modeling of spike generation in serotonergic neurons of the dorsal raphe nucleus. In *PROGRESS IN NEUROBIOLOGY*. ISSN 0301-0082, 2014, vol. 118, no., pp. 59., WOS
- [1.2] BAHRAMI, Farideh - JANAHMADI, Mahyar. Antibiotic supplements

affect electrophysiological properties and excitability of rat hippocampal pyramidal neurons in primary culture. In Iranian Biomedical Journal. ISSN 1028852X, 2013-03-28, 17, 2, pp. 101-106., SCOPUS

[1.2] SANKARANARAYANAN, Kavitha. Generating a biological pacemaker tackling arrhythmias the stem cell way. In Recent Patents on Regenerative Medicine. ISSN 22102965, 2013-03-28, 3, 2, pp. 111-131., SCOPUS

[1.2] ZHANG, Mengliang - HULTBORN, Hans - SUKIASYAN, Natalya. The distribution of calcium channel cav1.3 in the central nervous system and its functions in relation to motor control. In Calcium Channels: Properties, Functions and Regulation, 2012-03-01, pp. 1-48., SCOPUS

ADCA238 WEIS, M. - JANÍČEK, Radoslav - CIRAK, J. - HIANIK, Tibor. Study of the Calix[4]resorcinarene-dopamine interactions in monolayers by measurement of pressure-area isotherms and maxwell displacement currents. In *Journal of Physical Chemistry B*, 2007, vol.111, no.35, p.10626-10631. (4.115 - IF2006). (2007 - Current Contents). ISSN 1520-6106.

Ohlasy:

[1.1] DASCHBACH, M.M. - KULIKOV, O.V. - LONG, E.F. - GOKEL, G.W. Pyrogallol[4]arenes Show Highly Variable Amphiphilic Behavior at the Air-Water Interface Dependent Upon Side Chain Length and Branching. In *CHEMISTRY-A EUROPEAN JOURNAL*. ISSN 0947-6539, AUG 2011, vol. 17, no. 32, p. 8913-8921., WOS

[1.1] JAIN, V.K. - KANAIYA, P.H. Chemistry of calix[4]resorcinarenes. In *RUSSIAN CHEMICAL REVIEWS*. ISSN 0036-021X, 2011, vol. 80, no. 1, p. 75-102., WOS

[1.1] WANG, Fei - WU, Yanju - LU, Kui - YE, Baoxian. A simple but highly sensitive and selective calixarene-based voltammetric sensor for serotonin. In *ELECTROCHIMICA ACTA*. ISSN 0013-4686, 2013, vol. 87, no., pp. 756., WOS

[1.2] IIMURA, Ken Ichi - KATO, Teiji. Langmuir-Blodgett (LB) Film. In *Organized Organic Ultrathin Films: Fundamentals and Applications*, 2012-11-05, pp. 43-105., SCOPUS

[1.2] PERIASAMY, Vengadesh - YIENG, Ng Jiun - MAJID, Wan Haliza Abdul. Mechanical and thermodynamic properties of Langmuir films of fatty acids. In *Advanced Science Letters*. ISSN 19366612, 2013-01-01, 19, 1, pp. 179-182., SCOPUS

ADCA239 WEISS, Norbert - HAMEED, S. - FERNÁNDEZ-FERNÁNDEZ, José M. - FABLET, Katell - KARMAŽÍNOVÁ, Mária - POILLOT, Cathy - PROFT, Juliane - CHEN, Lina - BIDAUD, Isabelle - MONTEIL, Arnaud - HUC-BRANDT, Sylvaine - LACÍNOVÁ, Ľubica - LORY, Philippe - ZAMPONI, Gerald W. - DE WAARD, Michel. A Ca(v)3.2/Syntaxin-1A Signaling Complex Controls T-type Channel Activity and Low-threshold Exocytosis. In *Journal of Biological Chemistry*, 2012, vol. 287, no. 4, p. 2810-2818. (4.773 - IF2011). (2012 - Current Contents). ISSN 0021-9258. VEGA 2/0195/10, fellowships AIHS and Hotchkiss Brain Ins., FEDER Funds, grants SAF2009-13182-C03-02, 2009SGR1369, Red Heracles RD06/0009 and ANR-2006-Neuro35, ANR-09-MNPS-035 grants.

Ohlasy:

[1.1] Bar-On, D., Wolter, S., van de Linde, S., Heilemann, M., Nudelman,

- G., Nachliel, E., Gutman, M., Sauer, M. and Ashery, U. Super-resolution Imaging Reveals the Internal Architecture of Nano-sized Syntaxin Clusters. In *Journal of Biological Chemistry*, Aug 3 2012, vol. 287, no. 32, p. 27158-27167, WOS
- [1.1] CARBONE, Emilio - CALORIO, Chiara - VANDAELE, David H. F. T-type channel-mediated neurotransmitter release. In *PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY*. ISSN 0031-6768, 2014, vol. 466, no. 4, pp. 677., WOS
- [1.1] CIOLI, Claudia - ABDI, Herve - BEATON, Derek - BURNOD, Yves - MESMOUDI, Salma. Differences in Human Cortical Gene Expression Match the Temporal Properties of Large-Scale Functional Networks. In *PLOS ONE*. ISSN 1932-6203, 2014, vol. 9, no. 12, pp., WOS
- [1.1] FRANCOIS, Amaury - LAFFRAY, Sophie - PIZZOCCARO, Anne - ESCHALIER, Alain - BOURINET, Emmanuel. T-type calcium channels in chronic pain: mouse models and specific blockers. In *PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY*. ISSN 0031-6768, 2014, vol. 466, no. 4, pp. 707., WOS
- [1.1] GANGAROSSA, Giuseppe - LAFFRAY, Sophie - BOURINET, Emmanuel - VALJENT, Emmanuel. T-type calcium channel Ca(v)3.2 deficient mice show elevated anxiety, impaired memory and reduced sensitivity to psychostimulants. In *FRONTIERS IN BEHAVIORAL NEUROSCIENCE*. ISSN 1662-5153, 2014, vol. 8, no., pp., WOS
- [1.1] Jacus, M. O., Uebele, V. N., Renger, J. J. and Todorovic, S. M. Presynaptic Ca(V)3.2 Channels Regulate Excitatory Neurotransmission in Nociceptive Dorsal Horn Neurons. In *Journal of Neuroscience*, Jul 4 2012, vol. 32, no. 27, p. 9374-9382, WOS
- [1.1] ROZANSKI, Gabriela M. - NATH, Arup R. - ADAMS, Michael E. - STANLEY, Elise F. Low voltage-activated calcium channels gate transmitter release at the dorsal root ganglion sandwich synapse. In *JOURNAL OF PHYSIOLOGY-LONDON*. ISSN 0022-3751, 2013, vol. 591, no. 22, pp. 5575., WOS
- [1.1] SEKIGUCHI, Fumiko - KAWABATA, Atsufumi. T-type Calcium Channels: Functional Regulation and Implication in Pain Signaling. In *JOURNAL OF PHARMACOLOGICAL SCIENCES*. ISSN 1347-8613, 2013, vol. 122, no. 4, pp. 244., WOS
- [1.1] SENATORE, A. - GUAN, W. - SPAFFORD, J. D. Ca(v)3 T-type channels: regulators for gating, membrane expression, and cation selectivity. In *PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY*. ISSN 0031-6768, 2014, vol. 466, no. 4, pp. 645., WOS
- [1.1] VAN DEN BOGAART, Geert - LANG, Thorsten - JAHN, Reinhard - BENNETT. Microdomains of SNARE Proteins in the Plasma Membrane. In *FUNCTIONAL ORGANIZATION OF VERTEBRATE PLASMA MEMBRANE*. ISSN 1063-5823, 2013, vol. 72, no., pp. 193., WOS
- [1.1] ZANATTA, Ana Paula - ZANATTA, Leila - GONCALVES, Renata - ZAMONER, Ariane - MENA BARRETO SILVA, Fatima Regina. Rapid Responses to Reverse T-3 Hormone in Immature Rat Sertoli Cells: Calcium Uptake and Exocytosis Mediated by Integrin. In *PLOS ONE*. ISSN 1932-6203, 2013, vol. 8, no. 10, pp., WOS
- [1.2] TYSON, J. R. - SNUTCH, T. P. Molecular nature of voltage-gated calcium channels: Structure and species comparison (Review). In *WILEY*

INTERDISCIPLINARY REVIEWS: MEMBRANE TRANSPORT AND
SIGNALING. 2013, vol. 2, iss. 5, p. 181-206, SCOPUS

ADCA240 WILDING, James R. - JOUBERT, Frederic - DE ARAUJO, Carla - FORTIN, Dominique - NOVOTOVÁ, Marta - VEKSLER, Vladimir - VENTURA-CLAPIER, Renee. Altered energy transfer from mitochondria to sarcoplasmic reticulum after cytoarchitectural perturbations in mice hearts. In *Journal of Physiology*, 2006, vol. 575, iss. 1, p. 191-200. (4.272 - IF2005). (2006 - Current Contents). ISSN 0022-3751.

Ohlasy:

[1.1] ANMANN, Tiia - VARIKMAA, Minna - TIMOHHINA, Natalja - TEPP, Kersti - SHEVCHUK, Igor - CHEKULAYEV, Vladimir - SAKS, Valdur - KAAMBRE, Tuuli. Formation of highly organized intracellular structure and energy metabolism in cardiac muscle cells during postnatal development of rat heart. In *BIOCHIMICA ET BIOPHYSICA ACTA-BIOENERGETICS*. ISSN 0005-2728, 2014, vol. 1837, no. 8, pp. 1350., WOS

[1.1] CARLEY, Andrew N. - TAEGTMEYER, Heinrich - LEWANDOWSKI, E. Douglas. Matrix Revisited Mechanisms Linking Energy Substrate Metabolism to the Function of the Heart. In *CIRCULATION RESEARCH*. ISSN 0009-7330, 2014, vol. 114, no. 4, pp. 717., WOS

[1.1] DAVIDSON, Sean M. A needle in a haystack: focus on "Proteomic alterations of distinct mitochondrial subpopulations in the type 1 diabetic heart" In *AMERICAN JOURNAL OF PHYSIOLOGY-REGULATORY INTEGRATIVE AND COMPARATIVE PHYSIOLOGY*, 2011, vol.300, no.2, r183., WOS

[1.1] LI, Mei - ANDERSSON-LEND AHL, Monika - SEJERSEN, Thomas - ARNER, Anders. Knockdown of desmin in zebrafish larvae affects interfilament spacing and mechanical properties of skeletal muscle. In *JOURNAL OF GENERAL PHYSIOLOGY*. ISSN 0022-1295, 2013, vol. 141, no. 3, pp. 335., WOS

[1.1] PIQUEREAU, Jerome - GODIN, Richard - DESCHENES, Sonia - BESSI, Valerie Lafreniere - MOFARRAHI, Mahroo - HUSSAIN, Sabah N. A. - BURELLE, Yan. Protective role of PARK2/Parkin in sepsis-induced cardiac contractile and mitochondrial dysfunction. In *AUTOPHAGY*. ISSN 1554-8627, 2013, vol. 9, no. 11, pp. 1837., WOS

[1.1] TEPP, Kersti - MADO, Kati - VARIKMAA, Minna - KLEPININ, Aleksandr - TIMOHHINA, Natalja - SHEVCHUK, Igor - CHEKULAYEV, Vladimir - KUZNETSOV, Andrey V. - GUZUN, Rita - KAAMBRE, Tuuli. The role of tubulin in the mitochondrial metabolism and arrangement in muscle cells. In *JOURNAL OF BIOENERGETICS AND BIOMEMBRANES*. ISSN 0145-479X, 2014, vol. 46, no. 5, pp. 421., WOS

[1.1] WILSON, Amanda J. - SCHOENAUER, Roman - EHLE, Elisabeth - AGARKOVA, Irina - BENNETT, Pauline M. Cardiomyocyte growth and sarcomerogenesis at the intercalated disc. In *CELLULAR AND MOLECULAR LIFE SCIENCES*. ISSN 1420-682X, 2014, vol. 71, no. 1, pp. 165., WOS

[1.2] VAN SLIGTENHORST, I. - DING, Z.-M. - SHI, Z.-Z. - READ, R.W. - HANSEN, G. - VOGEL, P. Cardiomyopathy in α -kinase 3 (Alpk3)-deficient mice. In *Veterinary Pathology*, 2012, 49, 1, pp. 131-141., SCOPUS

ADCA241 WRZOSEK, Antoni - TOMÁŠKOVÁ, Zuzana - ONDRIŠ, Karol - LUKASIAK, A. - SZEWCZYK, A. The potassium channel opener CGS7184 activates Ca²⁺ release from the endoplasmic reticulum. In *European Journal of Pharmacology*, 2012, vol.690, p.60-67. (2.516 - IF2011). (2012 - Current Contents). ISSN 0014-2999. ERDF - POIG.01.01.02-00-069/09.

Ohlasy:

[1.1] KAROLCZAK, Justyna - SOBCZAK, Magdalena - MAJEWSKI, Lukasz - YEGHIAZARYAN, Marine - JAKUBIEC-PUKA, Anna - EHLE, Elisabeth - SLAWINSKA, Urszula - WILCZYNSKI, Grzegorz M. - REDOWICZ, Maria Jolanta. Myosin VI in skeletal muscle: its localization in the sarcoplasmic reticulum, neuromuscular junction and muscle nuclei. In *HISTOCHEMISTRY AND CELL BIOLOGY*. ISSN 0948-6143, 2013, vol. 139, no. 6, pp. 873., WOS

[1.1] SZABO, Ildiko - ZORATTI, Mario. MITOCHONDRIAL CHANNELS: ION FLUXES AND MORE. In *PHYSIOLOGICAL REVIEWS*. ISSN 0031-9333, 2014, vol. 94, no. 2, pp. 519., WOS

ADCA242 ZACIKOVÁ, L. - KVETŇANSKÝ, Richard - KRIŽANOVÁ, Oľga. Increased expression of the Na⁺/Ca²⁺ exchanger in the rat heart after immobilization stress is not induced by cortisol. In *FEBS Letters*, 1999, vol. 457, no. 3, p. 423-428. (3.581 - IF1998). ISSN 0014-5793.

Ohlasy:

[1.1] BALI, Anjana - GUPTA, Sakshi - SINGH, Nirmal - JAGGI, Amteswar Singh. 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, pp. 229., WOS

ADCA243 ZAHRADNÍK, Ivan - GYORKE, S. - ZAHRADNÍKOVÁ, Alexandra. Calcium activation of ryanodine receptor channels - Reconciling RyR Gating models with tetrameric channel structure. In *JOURNAL OF GENERAL PHYSIOLOGY*, 2005, vol. 126, issue 5, p. 515-527. ISSN 0022-1295.

Ohlasy:

[1.2] MUKHERJEE, S. - THOMAS, N.L. - WILLIAMS, A.J. A mechanistic description of gating of the human cardiac ryanodine receptor in a regulated minimal environment. In *Journal of General Physiology*, 2012, 140, 2, pp. 139-158., SCOPUS

[1.2] NIVALA, M. - QU, Z. Calcium alternans in a couplon network model of ventricular myocytes: Role of sarcoplasmic reticulum load. In *American Journal of Physiology Heart and Circulatory Physiology*, 2012, 303, 3, pp. 341-352., SCOPUS

ADCA244 ZAHRADNÍK, Ivan - MINAROVICH, Igor - ZAHRADNÍKOVÁ, Alexandra. Inhibition of the cardiac L-type calcium channel current by antidepressant drugs. In *Journal of Pharmacology and Experimental Therapeutics*, 2008, vol. 324, iss. 3, p. 977-984. ISSN 0022-3565.

Ohlasy:

[1.1] ARICI, M. A. A. - BUYUKDELIGOZ, M. - KALKAN, S. - TUNCOK, Y. Effects of BQ-788 on amitriptyline-induced cardiovascular toxicity. In *HUMAN & EXPERIMENTAL TOXICOLOGY*. ISSN 0960-3271, 2013,

vol. 32, no. 3, pp. 316., WOS

[1.1] CARRE, Gregoire - CARREYRE, Helene - OUEDRAOGO, Maurice - BECQ, Frederic - BOIS, Patrick - THIBAUDEAU, Sebastien - VANDEBROUCK, Clarisse - BESCOND, Jocelyn. The hypotensive agent dodoneine inhibits L-type Ca^{2+} current with negative inotropic effect on rat heart. In EUROPEAN JOURNAL OF PHARMACOLOGY. ISSN 0014-2999, 2014, vol. 728, no., pp. 119., WOS

[1.1] CERIGNOLI, Fabio - CHARLOT, David - WHITTAKER, Ross - INGERMANSON, Randy - GEHALOT, Piyush - SAVCHENKO, Alex - GALLACHER, David J. - TOWART, Rob - PRICE, Jeffrey H. - MCDONOUGH, Patrick M. - MERCOLA, Mark. High throughput measurement of Ca^{2+} dynamics for drug risk assessment in human stem cell-derived cardiomyocytes by kinetic image cytometry. In JOURNAL OF PHARMACOLOGICAL AND TOXICOLOGICAL METHODS. ISSN 1056-8719, 2012, vol. 66, no. 3, pp. 246., WOS

[1.1] FANCHAOUY, Mohammed - CUBANO, Luis - MALDONADO, Hector - BYCHKOV, Rostislav. PKC independent inhibition of voltage gated calcium channels by volatile anesthetics in freshly isolated vascular myocytes from the aorta. In CELL CALCIUM. ISSN 0143-4160, 2013, vol. 54, no. 4, pp. 257., WOS

[1.1] GETZ, Angela - XU, Fenglian - ZAIDI, Wali - SYED, Naweed I. The antidepressant fluoxetine but not citalopram suppresses synapse formation and synaptic transmission between Lymnaea neurons by perturbing presynaptic and postsynaptic machinery. In EUROPEAN JOURNAL OF NEUROSCIENCE, 2011, vol.34, no.2, 221., WOS

[1.1] CHAE, Yun Ju - JEON, Ji Hyun - LEE, Hong Joon - KIM, In-Beom - CHOI, Jin-Sung - SUNG, Ki-Wug - HAHN, Sang June. Escitalopram block of hERG potassium channels. In NAUNYN-SCHMIEDEBERG'S ARCHIVES OF PHARMACOLOGY. ISSN 0028-1298, 2014, vol. 387, no. 1, pp. 23., WOS

[1.1] JAN, Chung-Ren - SU, Jian-An - TENG, Chih-Chuan - SHEU, Meei-Ling - LIN, Paul-Yann - CHI, Miao-Ching - CHANG, Chia-Hao - LIAO, Wayne C. - KUO, Chun-Chi - CHOU, Chiang-Ting. Mechanism of maprotiline-induced apoptosis: Role of $[\text{Ca}^{2+}]_i$, ERK, JNK and caspase-3 signaling pathways. In TOXICOLOGY. ISSN 0300-483X, 2013, vol. 304, no., pp. 1., WOS

[1.1] JOZWIAK, Joanna - DIETZE, Anna - GROVER, Rajiv - SAVTSCHENKO, Alex - ETZ, Christian - MOHR, Friedrich W. - DHEIN, Stefan. Desipramine prevents cardiac gap junction uncoupling. In NAUNYN-SCHMIEDEBERG'S ARCHIVES OF PHARMACOLOGY. ISSN 0028-1298, 2012, vol. 385, no. 11, pp. 1063., WOS

[1.1] KUPRACZ, Lukas - KIRSCHNING, Andreas. Multiple Organolithium Generation in the Continuous Flow Synthesis of Amitriptyline. In ADVANCED SYNTHESIS & CATALYSIS. ISSN 1615-4150, 2013, vol. 355, no. 17, pp. 3375., WOS

[1.1] LEON, Rafael - GARCIA, Antonio G. - MARCO-CONTELLES, Jose. Recent advances in the multitarget-directed ligands approach for the treatment of Alzheimer's disease. In MEDICINAL RESEARCH REVIEWS. ISSN 0198-6325, 2013, vol. 33, no. 1, pp. 139., WOS

[1.1] LIANG, Jingyao - LIU, Xiaoyan - PAN, Meiyan - DAI, Wei - DONG, Zhao - WANG, Xiaolin - LIU, Ruozhuo - ZHENG, Jianquan - YU, Shengyuan.

Blockade of Na(v)1.8 Currents in Nociceptive Trigeminal Neurons Contributes to Anti-trigemino-vascular Nociceptive Effect of Amitriptyline. In NEUROMOLECULAR MEDICINE. ISSN 1535-1084, 2014, vol. 16, no. 2, pp. 308., WOS

[1.1] LI, Xuming - YANG, Liu - ZHANG, Xiang - ZHANG-NEGRERIE, Daisy - DU, Yunfei - ZHAO, Kang. Construction of 1,4-Benzodiazepine Skeleton from 2-(Arylamino)benzamides through PhI(OAc)(2)-Mediated Oxidative C-N Bond Formation. In JOURNAL OF ORGANIC CHEMISTRY. ISSN 0022-3263, 2014, vol. 79, no. 3, pp. 955., WOS

[1.1] RAHMAN, Iffat - HUMPHREYS, Keith - BENNET, Anna Michaela - INGELSSON, Erik - PEDERSEN, Nancy Lee - MAGNUSSON, Patrik Karl Erik. Clinical depression, antidepressant use and risk of future cardiovascular disease. In EUROPEAN JOURNAL OF EPIDEMIOLOGY. ISSN 0393-2990, 2013, vol. 28, no. 7, pp. 589., WOS

[1.1] STAUDACHER, Ingo - WANG, Lu - WAN, Xiaoping - OBERS, Sabrina - WENZEL, Wolfgang - TRISTRAM, Frank - KOSCHNY, Ronald - STAUDACHER, Kathrin - KISSELBACH, Jana - KOELSCH, Patrick - SCHWEIZER, Patrick A. - KATUS, Hugo A. - FICKER, Eckhard - THOMAS, Dierk. hERG K⁺ channel-associated cardiac effects of the antidepressant drug desipramine. In NAUNYN-SCHMIEDEBERG'S ARCHIVES OF PHARMACOLOGY, 2011, vol. 383, no. 2, pp. 119., WOS

[1.1] VAN DER HOEVEN, Dharini - CHO, Kwang-jin - MA, Xiaoping - CHIGURUPATI, Sravanthi - PARTON, Robert G. - HANCOCK, John F. Fendiline Inhibits K-Ras Plasma Membrane Localization and Blocks K-Ras Signal Transmission. In MOLECULAR AND CELLULAR BIOLOGY. ISSN 0270-7306, 2013, vol. 33, no. 2, pp. 237., WOS

[1.1] ZHANG, Yihong - BARANCHUK, Adrian - HANCOX, Jules C. Towards limiting QT interval prolongation and arrhythmia risk in citalopram use. In CARDIOLOGY JOURNAL. ISSN 1897-5593, 2014, vol. 21, no. 5, pp. 454., WOS

[1.2] ABABNEH, D. - RITCHIE, H. - WEBSTER, W.S. Antidepressants Cause Bradycardia and Heart Block in GD 13 Rat Embryos In Vitro. In Birth Defects Research Part B Developmental and Reproductive Toxicology, 2012, 95, 2, pp. 184-193., SCOPUS

[1.2] KOGUT, Christopher - CROUSE, Ericka Breden Breden - VIEWEG, Walter Victor R - HASNAIN, Mehrul - BARANCHUK, Adrián Marco - DIGBY, Geneviève C. - KONERU, Jayanthi N. - FERNÁNDEZ, Antony - DESHMUKH, Anand R. - HANCOX, Jules C. - PANDURANGI, Anand K. Selective serotonin reuptake inhibitors and torsade de pointes: New concepts and new directions derived from a systematic review of case reports. In Therapeutic Advances in Drug Safety. ISSN 2042-0986, 2013-12-17, 4, 5, pp. 189-198., SCOPUS

[1.2] MINOURA, Yoshino - KOBAYASHI, Youichi - ANTZELEVITCH, Charles. Drug-induced Brugada syndrome. In Journal of Arrhythmia. ISSN 1880-4276, 2013-04-01, 29, 2, pp. 88-95., SCOPUS

[1.2] REYNOSO, Palomar Alejandro Rodolfo - VILLA MANCERA, Abel Edmundo - UTRERA, Quintana Fernando - CARREÓN, Luna Lorenzo - FLORES, Cristina Pacheco. Antidepressant desipramine assessment on cardiac function. In Experimental and Clinical Cardiology. ISSN 1205-6626, 2014-01-01, 20, 1, pp. 275-279., SCOPUS

[1.2] WU, W. - YE, Q. - WANG, W. - YAN, L. - WANG, Q. - XIAO, H. -

WAN, Q. Amitriptyline modulates calcium currents and intracellular calcium concentration in mouse trigeminal ganglion neurons. In *Neuroscience Letters*, 2012, 506, 2, pp. 307-311., SCOPUS

ADCA245 ZÁHRADNÍK, Ivan - PALADE, P. Multiple effects of caffeine on calcium current in rat ventricular myocytes. In *Pflügers Arch*, 1993, vol. 424, p. 129-136.

Ohlasy:

[1.1] DIAZ-SYLVESTER, Paula L. - PORTA, Maura - JUETTNER, Vanessa V. - LV, Yuanzhao - FLEISCHER, Sidney - COPELLO, Julio A. Eudistomin D and Penaresin Derivatives as Modulators of Ryanodine Receptor Channels and Sarcoplasmic Reticulum Ca²⁺ ATPase in Striated Muscle. In *MOLECULAR PHARMACOLOGY*. ISSN 0026-895X, 2014, vol. 85, no. 4, pp. 564., WOS

[1.2] CAGALINEC, Michal - WACZULÍKOVÁ, Iveta - ULIČNÁ, Oľga - CHORVÁT, Dušan J R. Morphology and contractility of cardiac myocytes in early stages of streptozotocin-induced diabetes mellitus in rats. In *Physiological Research*. ISSN 08628408, 2013-12-05, 62, 5, pp. 489-501., SCOPUS

ADCA246 ZÁHRADNÍKOVÁ, Alexandra - ZÁHRADNÍK, Ivan. A minimal gating model for the cardiac calcium release channel. In *Biophysical Journal*, 1996, vol. 71, issue 6, p. 2996-3012. (1996 - Current Contents).

Ohlasy:

[1.1] BRESSLOFF, Paul C. Waves in Neural Media From Single Neurons to Neural Fields Preface. In *WAVES IN NEURAL MEDIA: FROM SINGLE NEURONS TO NEURAL FIELDS*. ISSN 2193-4797, 2014, vol., no., pp. VII., WOS

[1.1] DUPONT, Genevieve - COMBETTES, Laurent - BIRD, Gary S. - PUTNEY, James W. Calcium Oscillations. In *COLD SPRING HARBOR PERSPECTIVES IN BIOLOGY*, 2011, vol.3, no.3., WOS

[1.1] GREENSTEIN, Joseph L. - WINSLOW, Raimond L. Integrative Systems Models of Cardiac Excitation-Contraction Coupling. In *CIRCULATION RESEARCH*, 2011, vol.108, no.1, 70., WOS

[1.1] RUEDIGER, Sten. Stochastic models of intracellular calcium signals. In *PHYSICS REPORTS-REVIEW SECTION OF PHYSICS LETTERS*. ISSN 0370-1573, 2014, vol. 534, no. 2, pp. 39., WOS

[1.1] SIEKMANN, Ivo - SNEYD, James - CRAMPIN, Edmund J. Statistical analysis of modal gating in ion channels. In *PROCEEDINGS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES*. ISSN 1364-5021, 2014, vol. 470, no. 2166, pp., WOS

[1.1] VALENT, Ivan - PETROVIC, Pavol - NEOGRADY, Pavel - SCHREIBER, Igor - MAREK, Milos. Electrodiffusion Kinetics of Ionic Transport in a Simple Membrane Channel. In *JOURNAL OF PHYSICAL CHEMISTRY B*. ISSN 1520-6106, 2013, vol. 117, no. 46, pp. 14283., WOS

ADCA247 ZÁHRADNÍKOVÁ, Alexandra - KUBALOVÁ, Z. - PAVELKOVÁ, Jana - ZÁHRADNÍK, Ivan - GYORKE, S. Activation of calcium release assessed by calcium release-induced inactivation of calcium current in rat cardiac myocytes. In *American Journal of Physiology - Cell Physiology*, 2004, vol. 286, iss. 2, p. 330-341. ISSN 0363-6143.

Ohlasy:

[1.2] ACSAI, K. - ANTOONS, G. - LIVSHITZ, L. - RUDY, Y. - SIPIDO, K.R. Microdomain $[Ca^{2+}]$ near ryanodine receptors as reported by L-type Ca^{2+} and Na^{+}/Ca^{2+} exchange currents. In *Journal of Physiology*, 2011, vol.589, no.10, 2569-2583., SCOPUS

[1.2] CHENG, Y. - KEKENES-HUSKEY, P. - HAKE, E. - HOLST, J. - MCCAMMON, A. - MICHAILOVA, P. - CHENG, Y. - KEKENES-HUSKEY, P. - HAKE, J.E. - HOLST, M.J. - MCCAMMON, J.A. - MICHAILOVA, A.P. Multi-scale continuum modeling of biological processes: From molecular electro-diffusion to sub-cellular signaling transduction. In *Computational Science and Discovery*, 2012, 5, 1, pp., SCOPUS

[1.2] LEVITSKY, D.O. - TAKAHASHI, M. Interplay of Ca^{2+} and Mg^{2+} in Sodium-Calcium exchanger and in other Ca^{2+} -binding proteins: Magnesium, watchdog that blocks each turn if able. In *Advances in Experimental Medicine and Biology*, 2013, 961, pp. 65-78., SCOPUS

[1.2] LIVSHITZ, L. - ACSAI, K. - ANTOONS, G. - SIPIDO, K. - RUDY, Y. Data-based theoretical identification of subcellular calcium compartments and estimation of calcium dynamics in cardiac myocytes. In *Journal of Physiology*, 2012, 590, 18, pp. 4423-4446., SCOPUS

[1.2] RYU, J.S. - KIM, W.T. - LEE, J.H. - KWON, J.H. - KIM, H.A. - SHIM, E.B. - YOUM, J.B. - LEEM, C.H. Analysis of factors affecting Ca^{2+} -dependent inactivation dynamics of L-type Ca^{2+} current of cardiac myocytes in pulmonary vein of rabbit. In *Journal of Physiology*, 2012, 590, 18, pp. 4447-4463., SCOPUS

[1.2] YAO, G. - YU, Z. A localized meshless approach for modeling spatial-temporal calcium dynamics in ventricular myocytes. In *International Journal for Numerical Methods in Biomedical Engineering*, 2012, 28, 2, pp. 187-204., SCOPUS

ADCA248 ZAHRADNÍKOVÁ, Alexandra - MINAROVIC, Igor - ZAHRADNÍK, Ivan. Competitive and cooperative effects of bay k8644 on the L-type calcium channel current inhibition by calcium channel antagonists. In *Journal of Pharmacology and Experimental Therapeutics*, 2007, vol. 322, iss. 2, p. 638-645. ISSN 0022-3565.

Ohlasy:

[1.1] CARRE, Gregoire - CARREYRE, Helene - OUEDRAOGO, Maurice - BECQ, Frederic - BOIS, Patrick - THIBAUDEAU, Sebastien - VANDEBROUCK, Clarisse - BESCOND, Jocelyn. The hypotensive agent dodoneine inhibits L-type Ca^{2+} current with negative inotropic effect on rat heart. In *EUROPEAN JOURNAL OF PHARMACOLOGY*. ISSN 0014-2999, 2014, vol. 728, no., pp. 119., WOS

[1.1] DENELAVAS, Athanasios - WEIBEL, Franziska - PRUMMER, Michael - IMBACH, Alexander - CLERC, Roger G. - APFEL, Christian M. - HERTEL, Cornelia. Real-time cellular impedance measurements detect Ca^{2+} channel-dependent oscillations of morphology in human H295R adrenoma cells. In *BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH*, 2011, vol.1813, no.5, 754., WOS

[1.1] DRMANIC, S. - NIKOLIC, J. - SEKULARAC, G. - RANKOVIC, B. - JOVANOVIC, B. Solvent and Structure Effects on Electronic Absorption Spectra of the Isomeric Pyridinecarboxylic Acids. In *JOURNAL OF APPLIED SPECTROSCOPY*. ISSN 0021-9037, 2014, vol. 80, no. 6, pp. 829., WOS

- [1.1] GARALIENE, Vida - BARSYS, Vyantas - MACYS, Antanas - VIGANTE, Brigita - KRAUZE, Aivars. Effect of 4-aryl-2-methyl-5-nitro-1,4-dihydropyridine-3-carboxylates on the guinea pig papillary muscle and isolated human vena saphena magna that is used for coronary artery bypass grafting. In EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY, 2011, vol.46, no.9, 4441., WOS
- [1.1] HALIDI, Nadia - BOITTIN, Francois-Xavier - BENY, Jean-Louis - MEISTER, Jean-Jacques. Propagation of fast and slow intercellular Ca^{2+} waves in primary cultured arterial smooth muscle cells. In CELL CALCIUM, 2011, vol.50, no.5, 459., WOS
- [1.1] HEGYI, Bence - KOMAROMI, Istvan - NANASI, Peter P. - SZENTANDRASSY, Norbert. Selectivity Problems with Drugs Acting on Cardiac Na^{+} and Ca^{2+} Channels. In CURRENT MEDICINAL CHEMISTRY. ISSN 0929-8673, 2013, vol. 20, no. 20, pp. 2552., WOS
- [1.1] MICHIELS, Cederic F. - VAN HOVE, Cor E. - MARTINET, Wim - DE MEYER, Guido R. Y. - FRANSEN, Paul. L-type Ca^{2+} channel blockers inhibit the window contraction of mouse aorta segments with high affinity. In EUROPEAN JOURNAL OF PHARMACOLOGY. ISSN 0014-2999, 2014, vol. 738, no., pp. 170., WOS
- [1.1] NGUYEN MANH CUONG - PHAM NGOC KHANH - PHARN THU HUYEN - HO VIET DUC - TRAN THU HUONG - VU THI HA - DURANTE, Miriam - SGARAGLI, Giampietro - FUSI, Fabio. Vascular L-Type Ca^{2+} Channel Blocking Activity of Sulfur-Containing Indole Alkaloids from *Glycosmis petelotii*. In JOURNAL OF NATURAL PRODUCTS. ISSN 0163-3864, 2014, vol. 77, no. 7, pp. 1586., WOS
- [1.1] OLGAR, Yusuf - OZTURK, Nihal - USTA, Coskun - PUDDU, Paolo E. - OZDEMIR, Semir. Ellagic Acid Reduces L-type Ca^{2+} Current and Contractility Through Modulation of NO-GC-cGMP Pathways in Rat Ventricular Myocytes. In JOURNAL OF CARDIOVASCULAR PHARMACOLOGY. ISSN 0160-2446, 2014, vol. 64, no. 6, pp. 567., WOS
- [1.1] SZENTANDRASSY, N. - NAGY, D. - RUZSNAVSZKY, F. - HARMATI, G. - BANYASZ, T. - MAGYAR, J. - SZENTMIKLOSI, A. J. - NANASI, P. P. Powerful Technique to Test Selectivity of Agents Acting on Cardiac Ion Channels: The Action Potential Voltage-Clamp. In CURRENT MEDICINAL CHEMISTRY, 2011, vol.18, no.24, 3737., WOS
- [1.1] TAN, Wei - ZHANG, Hong - LUO, He-Sheng - XIA, Hong. Effects of trimebutine maleate on colonic motility through Ca^{2+} -activated K^{+} channels and L-type Ca^{2+} channels. In ARCHIVES OF PHARMACAL RESEARCH, 2011, vol.34, no.6, 979., WOS
- [1.2] ABASSI, Y.A. - XI, B. - LI, N. - OUYANG, W. - SEILER, A. - WATZELE, M. - KETTENHOFEN, R. - BOHLEN, H. - EHLICH, A. - KOLOSISOV, E. - WANG, X. - XU, X. Dynamic monitoring of beating periodicity of stem cell-derived cardiomyocytes as a predictive tool for preclinical safety assessment. In British Journal of Pharmacology, 2012, 165, 5, pp. 1424-1441., SCOPUS
- [1.2] CUONG, Nguyen Manh - KHANH, Pham Ngoc - HUYEN, Pham Thu - DUC, Ho Viet - HUONG, Tran Thu - HA, Vu Thi - DURANTE, Miriam - SGARAGLI, Giampietro - FUSI, Fabio. Vascular L-type Ca^{2+} channel blocking activity of sulfur-containing indole alkaloids from *Glycosmis petelotii*. In Journal of Natural Products. ISSN 01633864, 2014-07-25, 77, 7, pp. 1586-1593.,

SCOPUS

[1.2] SAPONARA, S. - FUSI, F. - SGARAGLI, G. - CAVALLI, M. - HOPKINS, B. - BOVA, S. Effects of commonly used protein kinase inhibitors on vascular contraction and L-type Ca^{2+} current. In *Biochemical Pharmacology*, 2012, 84, 8, pp. 1055-1061., SCOPUS

[1.2] THEODOROU, M.C. - KYRIAKIDIS, D.A. Calcium channels blockers inhibit the signal transduction through the AtoSC system in *Escherichia coli*. In *European Journal of Pharmaceutical Sciences*, 2012, 47, 1, pp. 84-96., SCOPUS

ADCA249 ZAHRADNÍKOVÁ, Alexandra - ZAHRADNÍK, Ivan. Description of modal gating of the cardiac calcium release channel in planar lipid membranes. In *Biophys.J.*, 1995, vol. 69, p. 1780-1788.

Ohlasy:

[1.1] DIAZ-SYLVESTER, Paula L. - PORTA, Maura - JUETTNER, Vanessa V. - LV, Yuanzhao - FLEISCHER, Sidney - COPELLO, Julio A. Eudistomin D and Penaresin Derivatives as Modulators of Ryanodine Receptor Channels and Sarcoplasmic Reticulum Ca^{2+} ATPase in Striated Muscle. In *MOLECULAR PHARMACOLOGY*. ISSN 0026-895X, 2014, vol. 85, no. 4, pp. 564., WOS

[1.1] DIAZ-SYLVESTER, Paula L. - PORTA, Maura - COPELLO, Julio A. Modulation of Cardiac Ryanodine Receptor Channels by Alkaline Earth Cations. In *PLOS ONE*, 2011, vol.6, no.10., WOS

[1.1] MUKHERJEE, Saptarshi - THOMAS, N. Lowri - WILLIAMS, Alan J. Insights into the Gating Mechanism of the Ryanodine-Modified Human Cardiac Ca^{2+} -Release Channel (Ryanodine Receptor 2). In *MOLECULAR PHARMACOLOGY*. ISSN 0026-895X, 2014, vol. 86, no. 3, pp. 318., WOS

[1.2] PORTA, M. - DIAZ-SYLVESTER, P.L. - NEUMANN, J.T. - ESCOBAR, A.L. - FLEISCHER, S. - COPELLO, J.A. Coupled gating of skeletal muscle ryanodine receptors is modulated by Ca^{2+} , Mg^{2+} , and ATP. In *American Journal of Physiology Cell Physiology*, 2012, 303, 6, pp. C682-C697., SCOPUS

ADCA250 ZAHRADNÍKOVÁ, Alexandra - VALENT, Ivan - ZAHRADNÍK, Ivan. Frequency and release flux of calcium sparks in rat cardiac myocytes: a relation to RYR gating. In *Journal of General Physiology*, 2010, vol. 136, iss. 1, p. 101-116. (4.260 - IF2009). (2010 - Current Contents). ISSN 0022-1295.

Ohlasy:

[1.1] HANNA, Amy D. - LAM, Alex - THEKKEDAM, Chris - GALLANT, Esther M. - BEARD, Nicole A. - DULHUNTY, Angela F. Cardiac ryanodine receptor activation by a high Ca^{2+} store load is reversed in a reducing cytoplasmic redox environment. In *JOURNAL OF CELL SCIENCE*. ISSN 0021-9533, 2014, vol. 127, no. 20, pp. 4531., WOS

[1.1] LUO, Min - ANDERSON, Mark E. Mechanisms of Altered Ca^{2+} Handling in Heart Failure. In *CIRCULATION RESEARCH*. ISSN 0009-7330, 2013, vol. 113, no. 6, pp. 690., WOS

[1.1] MACQUAIDE, Niall - SIPIDO, Karin R. Blink and You'll See It How to Detect Ca^{2+} Quarks. In *CIRCULATION RESEARCH*, 2011, vol.108, no.2, 154., WOS

[1.1] SHKRYL, Vyacheslav M. - BLATTER, Lothar A. Ca^{2+} Release Events in Cardiac Myocytes Up Close: Insights from Fast Confocal Imaging. In *PLOS ONE*. ISSN 1932-6203, 2013, vol. 8, no. 4, pp., WOS

- [1.2] BROCHET, D.X.P. - YANG, D. - CHENG, H. - LEDERER, W.J. Elementary calcium release events from the sarcoplasmic reticulum in the heart. In *Advances in Experimental Medicine and Biology*, 2012, 740, pp. 499-509., SCOPUS
- [1.2] PARKS, R.J. - HOWLETT, S.E. H-89 decreases the gain of excitation-contraction coupling and attenuates calcium sparks in the absence of beta-adrenergic stimulation. In *European Journal of Pharmacology*, 2012, 691, 1-3, pp. 163-172., SCOPUS
- [1.2] SCHENDEL, T. - THUL, R. - SNEYD, J. - FALCKE, M. How does the ryanodine receptor in the ventricular myocyte wake up: By a single or by multiple open L-type Ca²⁺ channels? In *European Biophysics Journal*, 2012, 41, 1, pp. 27-39., SCOPUS
- [1.2] VIERO, C. - THOMAS, N.L. - EUDEN, J. - MASON, S.A. - GEORGE, C.H. - WILLIAMS, A.J. Techniques and methodologies to study the ryanodine receptor at the molecular, subcellular and cellular level. In *Advances in Experimental Medicine and Biology*, 2012, 740, pp. 183-215., SCOPUS

ADCA251 ZAHRADNÍKOVÁ, Alexandra - GABURJÁKOVÁ, Marta - BRIDGE, J.H.B. - ZAHRADNÍK, Ivan. Challenging quantal calcium signaling in cardiac myocytes. In *Journal of General Physiology*, 2010, vol. 136, p. 581-583. (4.260 - IF2009). (2010 - Current Contents). ISSN 0022-1295.

Ohlasy:

- [1.1] BOUCHARD, Sylvain - JACQUEMET, Vincent - VINET, Alain. Automaticity in acute ischemia: Bifurcation analysis of a human ventricular model. In *PHYSICAL REVIEW E*, 2011, vol.83, no.1., WOS

ADCA252 ZAHRADNÍKOVÁ, Alexandra - MINAROVIC, Igor - VENEMA, R.C. - MESZAROS, L.G. Inactivation of the cardiac ryanodine receptor calcium release channel by nitric oxide. In *Cell Calcium*, 1997, vol. 22, iss. 6, p. 447-453. ISSN 0143-4160.

Ohlasy:

- [1.1] DONOSO, Paulina - SANCHEZ, Gina - BULL, Ricardo - HIDALGO, Cecilia. Modulation of cardiac ryanodine receptor activity by ROS and RNS. In *FRONTIERS IN BIOSCIENCE-LANDMARK*, 2011, vol.16, no., 553., WOS
- [1.1] EISENHUT, Michael - WALLACE, Helen. Ion channels in inflammation. In *PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY*, 2011, vol.461, no.4, 401., WOS
- [1.1] CHIN, Kai Yee - QIN, Chengxue - CAO, Nga - KEMP-HARPER, Barbara K. - WOODMAN, Owen L. - RITCHIE, Rebecca H. The concomitant coronary vasodilator and positive inotropic actions of the nitroxyl donor Angeli's salt in the intact rat heart: contribution of soluble guanylyl cyclase-dependent and independent mechanisms. In *BRITISH JOURNAL OF PHARMACOLOGY*. ISSN 0007-1188, 2014, vol. 171, no. 7, pp. 1722., WOS
- [1.2] AGGARWAL, Nitin T. - MAKIELSKI, Jonathan C. Redox control of cardiac excitability. In *Antioxidants and Redox Signaling*. ISSN 15230864, 2013-02-01, 18, 4, pp. 432-468., SCOPUS
- [1.2] DE ALMEIDA, Pedro W MacHado - DE FREITAS LIMA, Ricardo - GOMES, Enéas Ricardo M - RESENDE, Cibele Rocha - ROMAN-CAMPOS, Danilo - GONDIM, Antônio Nei Santana - GAVIOLI, Mariana - LARA, Aline A. - PARREIRA, Amanda - DE AZEVEDO NUNES, Sasha Luísa - ALVES,

Márcia Netto Magalhães - SANTOS, Sandra Lauton - ALENINA, Natalia V. - BADER, Michael F. - RESENDE, Rodrigo Ribeiro - DOS SANTOS CRUZ, Jáder - SOUZA DOS SANTOS, Robson Augusto - GUATIMOSIM, Sílvia C F. Functional cross-talk between aldosterone and angiotensin-(1-7) in ventricular myocytes. In Hypertension. ISSN 0194911X, 2013-02-01, 61, 2, pp. 425-430., SCOPUS

[1.2] WEERATEERANGKUL, Punate - SURINKAEW, Sirirat - CHATTIPAKORN, Siriporn Chaisin - CHATTIPAKORN, Nipon. Effects of Kaempferia parviflora Wall. Ex. baker on electrophysiology of the swine hearts. In Indian Journal of Medical Research. ISSN 09715916, 2013-01-01, 137, 1, pp. 156-163., SCOPUS

[1.2] WEERATEERANGKUL, P. - PALEE, S. - CHINDA, K. - CHATTIPAKORN, S.C. - CHATTIPAKORN, N. Effects of Kaempferia parviflora Wall. Ex. baker and sildenafil citrate on cGMP level, cardiac function, and intracellular Ca²⁺ regulation in rat hearts. In Journal of Cardiovascular Pharmacology, 2012, 60, 3, pp. 299-309., SCOPUS

ADCA253 ZÁHRADNÍKOVÁ, Alexandra - DURA, Miroslav - GYORKE, S. Modal gating transitions in cardiac ryanodine receptors during increases of Ca²⁺ concentration produced by photolysis of caged Ca²⁺. In *Pflugers Archiv-European Journal of Physiology*, 1999, vol. 438, no. 3, p. 283-288. ISSN 0031-6768.

Ohlasy:

[1.1] DIAZ-SYLVESTER, Paula L. - PORTA, Maura - JUETTNER, Vanessa V. - LV, Yuanzhao - FLEISCHER, Sidney - COPELLO, Julio A. Eudistomin D and Penaresin Derivatives as Modulators of Ryanodine Receptor Channels and Sarcoplasmic Reticulum Ca²⁺ ATPase in Striated Muscle. In MOLECULAR PHARMACOLOGY. ISSN 0026-895X, 2014, vol. 85, no. 4, pp. 564., WOS

[1.1] GALFRE, Elena - PITT, Samantha J. - VENTURI, Elisa - SITSAPESAN, Mano - ZACCAI, Nathan R. - TSANEVA-ATANASOVA, Krasimira - O&APOS;NEILL, Stephen - SITSAPESAN, Rebecca. FKBP12 Activates the Cardiac Ryanodine Receptor Ca²⁺-Release Channel and Is Antagonised by FKBP12.6. In PLOS ONE. ISSN 1932-6203, 2012, vol. 7, no. 2, pp., WOS

[1.1] SIEKMANN, Ivo - SNEYD, James - CRAMPIN, Edmund J. Statistical analysis of modal gating in ion channels. In PROCEEDINGS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-5021, 2014, vol. 470, no. 2166, pp., WOS

ADCA254 ZÁHRADNÍKOVÁ, Alexandra - PALADE, P. Procaine effects on single sarcoplasmic-reticulum CA-2(+) release channels. In *Biophysical Journal*, 1993, vol. 64, no. 4, p. 991-1003. ISSN 0006-3495.

Ohlasy:

[1.1] Fauconnier, J. - Roberge, S. - Saint, N. - Lacampagne, A. Type 2 ryanodine receptor: A novel therapeutic target in myocardial ischemia/reperfusion. In Pharmacology and Therapeutics. 2013, vol. 138, p. 323-332, WOS

ADCA255 ZÁHRADNÍKOVÁ, Alexandra - ZÁHRADNÍK, Ivan - GYORKE, I. - GYORKE, S. Rapid activation of the cardiac ryanodine receptor by submillisecond

calcium stimuli. In *Journal of General Physiology*, 1999, vol. 114, iss. 6, p. 787-798. ISSN 0022-1295.

Ohlasy:

[1.1] BROCHET, D.X.P. - XIE, W.J. - YANG, D.M. - CHENG, H.P. - LEDERER, W.J. Quarky Calcium Release in the Heart. In *CIRCULATION RESEARCH*. ISSN 0009-7330, FEB 21 2011, vol. 108, no. 2, p. 210-218., WOS

[1.1] CANNELL, M.B. - KONG, C.H.T. Local control in cardiac E-C coupling. In *Journal of Molecular and Cellular Cardiology*, 2012, 52, 2, pp. 298-303., SCOPUS

ADCA256 ZÁHRADNÍKOVÁ, Alexandra - DURA, Miroslav - GYORKE, I. - ESCOBAR, A. L. - ZÁHRADNÍK, Ivan - GYORKE, S. Regulation of dynamic behavior of cardiac ryanodine receptor by Mg²⁺ under simulated physiological conditions. In *American Journal of Physiology-Cell Physiology*, 2003, vol. 285, issue 5, p. 1059-1070.

Ohlasy:

[1.1] BARFELL, Andrew - CRUMBLY, Ashlee - ROMANI, Andrea.

Enhanced glucose 6-phosphatase activity in liver of rats exposed to Mg²⁺-deficient diet. In *ARCHIVES OF BIOCHEMISTRY AND BIOPHYSICS*, 2011, vol.509, no.2, 157., WOS

[1.1] CANNELL, M. B. - KONG, Cherrie H. T. Local control in cardiac E-C coupling. In *JOURNAL OF MOLECULAR AND CELLULAR CARDIOLOGY*. ISSN 0022-2828, 2012, vol. 52, no. 2, pp. 298., WOS

[1.1] SANTIAGO, Demetrio J. - RIOS, Eduardo - SHANNON, Thomas R. Isoproterenol Increases the Fraction of Spark-Dependent RyR-Mediated Leak in Ventricular Myocytes. In *BIOPHYSICAL JOURNAL*. ISSN 0006-3495, 2013, vol. 104, no. 5, pp. 976., WOS

[1.1] SCHENDEL, Thomas - THUL, Ruediger - SNEYD, James - FALCKE, Martin. How does the ryanodine receptor in the ventricular myocyte wake up: by a single or by multiple open L-type Ca²⁺ channels? In *EUROPEAN BIOPHYSICS JOURNAL WITH BIOPHYSICS LETTERS*. ISSN 0175-7571, 2012, vol. 41, no. 1, pp. 27., WOS

ADCA257 ZÁHRADNÍKOVÁ, Alexandra - MÉSZÁROS, L. G. Voltage change-induced gating transitions of the rabbit skeletal muscle Ca²⁺ release channel. In *Journal of Physiology : A publication of the Physiological Society*, 1998, vol. 509, iss. 1, p. 29-38. (3.160 - IF1997). ISSN 0022-3751.

Ohlasy:

[1.1] LI, Boxing - JIE, Wei - HUANG, Lianyan - WEI, Peng - LI, Shuji - LUO, Zhengyi - FRIEDMAN, Allyson K. - MEREDITH, Andrea L. - HAN, Ming-Hu - ZHU, Xin-Hong - GAO, Tian-Ming. Nuclear BK channels regulate gene expression via the control of nuclear calcium signaling. In *NATURE NEUROSCIENCE*. ISSN 1097-6256, 2014, vol. 17, no. 8, pp. 1055., WOS

ADCA258 ZÁHRADNÍKOVÁ, Alexandra, ml. - POLÁKOVÁ, Eva - ZÁHRADNÍK, Ivan - ZÁHRADNÍKOVÁ, Alexandra. Kinetics of calcium spikes in rat cardiac myocytes. In *Journal of Physiology*, 2007, vol. 578, iss. 3, p. 677-691. (4.407 - IF2006). (2007 - Current Contents). ISSN 0022-3751.

Ohlasy:

[1.1] MACQUAIDE, Niall - SIPIDO, Karin R. Blink and You' See It

How to Detect Ca²⁺ Quarks. In CIRCULATION RESEARCH, 2011, vol.108, no.2, 154., WOS

[1.2] BAARTSCHEER, Antonius - SCHUMACHER, Cees A. - CORONEL, Ruben - FIOLET, Jan W T. The driving force of the Na⁺/Ca²⁺-exchanger during: Metabolic inhibition. In Frontiers in Physiology, 2011-12-01, mAR, pp., SCOPUS

[1.2] VIERO, C. - THOMAS, N.L. - EUDEN, J. - MASON, S.A. - GEORGE, C.H. - WILLIAMS, A.J. Techniques and methodologies to study the ryanodine receptor at the molecular, subcellular and cellular level. In Advances in Experimental Medicine and Biology, 2012, 740, pp. 183-215., SCOPUS

ADCA259 ZAŤKOVÁ, Andrea - FONATSCH, Christa - SPERR, Wolfgang R. - VALENT, Peter. A patient with de novo AML M1 and t(16;21) with karyotype evolution. In *Leukemia Research*, 2007, vol. 31, iss. 9, p.1319-1321. (2007 - Current Contents). ISSN 0145-2126.

Ohlasy:

[1.1] ATHANASIADOU, Anastasia - STALIKA, Evagelia - SIDI, Vasiliki - PAPAIOANNOU, Maria - GAITATZI, Maria - ANAGNOSTOPOULOS, Achilles. RUNX1-MTG16 fusion gene in de novo acute myeloblastic leukemia with t(16;21)(q24;q22). In LEUKEMIA & LYMPHOMA, 2011, vol.52, no.1, 145., WOS

ADCA260 ZAŤKOVÁ, Andrea - MERK, Sylvia - WENDEHACK, Melanie - BILBAN, Matrin - MUZIK, Eva Maria - MURADYAN, Artur - HAFERLACH, Claudia - HAFERLACH, Torsten - WIMMER, Katharina - FONATSCH, Christa - ULLMANN, Reinhard. AML/MDS with 11q/MLL Amplification Show Characteristic Gene Expression Signature and Interplay of DNA Copy Number Changes. In *Genes Chromosomes and Cancer*, 2009, vol. 48, iss 6, p. 510-520. (3.925 - IF2008). (2009 - Current Contents). ISSN 1045-2257.

Ohlasy:

[1.1] BAJAJ, Renu - XU, Fang - XIANG, Bixia - WILCOX, Katherine - DIADAMO, Autumn J. - KUMAR, Rachana - PIETRASZKIEWICZ, Alexandra - HALENE, Stephanie - LI, Peining. Evidence-based genomic diagnosis characterized chromosomal and cryptic imbalances in 30 elderly patients with myelodysplastic syndrome and acute myeloid leukemia. In MOLECULAR CYTOGENETICS, 2011, vol.4, no., WOS

[1.1] SANTONI, Giorgio - FARFARIELLO, Valerio - AMANTINI, Consuelo - ISLAM, MS. TRPV Channels in Tumor Growth and Progression. In TRANSIENT RECEPTOR POTENTIAL CHANNELS, 2011, vol.704, no., 947., WOS

[1.1] SAROVA, Iveta - BREZINOVA, Jana - ZEMANOVA, Zuzana - BYSTRICKA, Dagmar - KREJCIK, Zdenek - SOUKUP, Petr - VYDRA, Jan - CERMAK, Jaroslav - JONASOVA, Anna - MICHALOVA, Kyra. Characterization of chromosome 11 breakpoints and the areas of deletion and amplification in patients with newly diagnosed acute myeloid leukemia. In GENES CHROMOSOMES & CANCER. ISSN 1045-2257, 2013, vol. 52, no. 7, pp. 619., WOS

[1.1] TIAN, Xuejiao - ZHANG, Saiyang - LIU, Hong-Min - ZHANG, Yan-Bing - BLAIR, Christopher A. - MERCOLA, Dan - SASSONE-CORSI, Paolo - ZI, Xiaolin. Histone Lysine-Specific Methyltransferases and

Demethylases in Carcino-genesis: New Targets for Cancer Therapy and Prevention. In CURRENT CANCER DRUG TARGETS. ISSN 1568-0096, 2013, vol. 13, no. 5, pp. 558., WOS

[1.1] YIP, Bon Ham - SO, Chi Wai Eric. Mixed lineage leukemia protein in normal and leukemic stem cells. In EXPERIMENTAL BIOLOGY AND MEDICINE. ISSN 1535-3702, 2013, vol. 238, no. 3, pp. 315., WOS

ADCA261 ZAŤKOVÁ, Andrea - ROUILLARD, J.M. - HARTMANN, W. - LAMB, B.J. - KUICK, R. - ECKART, M. - SCHWEINITZ, D. - KOCH, A. - FONATSCH, C. - PIETSCH, T. - HANASH, S.M. - WIMMER, K. Amplification and overexpression of the IGF2 regulator PLAG1 in hepatoblastoma. In *Genes Chromosomes and Cancer*, 2004, vol. 39, iss. 2, p. 126-137. ISSN 1045-2257.

Ohlasy:

[1.1] AKHTAR, Monira - HOLMGREN, Claes - GONDOR, Anita - VESTERLUND, Mattias - KANDURI, Chandrasekhar - LARSSON, Catharina - EKSTROM, Tomas J. Cell type and context-specific function of PLAG1 for IGF2 P3 promoter activity. In INTERNATIONAL JOURNAL OF ONCOLOGY. ISSN 1019-6439, 2012, vol. 41, no. 6, pp. 1959., WOS

[1.1] BAHRAMI, Armita - DALTON, James D. - KRANE, Jeffrey F. - FLETCHER, Christopher D. M. A subset of cutaneous and soft tissue mixed tumors are genetically linked to their salivary gland counterpart. In GENES CHROMOSOMES & CANCER. ISSN 1045-2257, 2012, vol. 51, no. 2, pp. 140., WOS

[1.1] BAO, Bin - XU, Wei-Hua. Identification of gene expression changes associated with the initiation of diapause in the brain of the cotton bollworm, *Helicoverpa armigera*. In BMC GENOMICS, 2011, vol.12, no., WOS

[1.1] HANKS, Tracey S. - GAUSS, Katherine A. Pleomorphic adenoma gene-like 2 regulates expression of the p53 family member, p73, and induces cell cycle block and apoptosis in human promonocytic U937 cells. In APOPTOSIS. ISSN 1360-8185, 2012, vol. 17, no. 3, pp. 236., WOS

[1.1] HU, Zhe-yuan - YUAN, Sheng-xian - YANG, Yuan - ZHOU, Wei-ping - JIANG, Hua. Pleomorphic adenoma gene 1 mediates the role of karyopherin alpha 2 and has prognostic significance in hepatocellular carcinoma. In JOURNAL OF EXPERIMENTAL & CLINICAL CANCER RESEARCH. ISSN 1756-9966, 2014, vol. 33, no., pp., WOS

[1.1] CHOI, Jungah - DAL SOGLIO, Dorothee Bouron - FORTIER, Amanda - FETNI, Raouf - MATHONNET, Geraldine - COURNOYER, Sonia - LALLIER, Michel - ISLER, Marc - BERGERON, Melanie Beaulieu - PATEY, Natalie. Diagnostic utility of molecular and cytogenetic analysis in lipoblastoma: a study of two cases and review of the literature. In HISTOPATHOLOGY. ISSN 0309-0167, 2014, vol. 64, no. 5, pp. 731., WOS

[1.1] KLEMKE, Markus - MUELLER, Marietta Henrike - WOSNIOK, Werner - MARKOWSKI, Dominique Nadine - NIMZYK, Rolf - HELMKE, Burkhard Maria - BULLERDIEK, Joern. Correlated Expression of HMGA2 and PLAG1 in Thyroid Tumors, Uterine Leiomyomas and Experimental Models. In PLOS ONE. ISSN 1932-6203, 2014, vol. 9, no. 2, pp., WOS

[1.1] MATSUYAMA, Atsuji - HISAOKA, Masanori - HASHIMOTO, Hiroshi. PLAG1 expression in cutaneous mixed tumors: an immunohistochemical and molecular genetic study. In VIRCHOWS ARCHIV, 2011, vol.459, no.5, 539., WOS

- [1.1] MATSUYAMA, Atsuji - HISAOKA, Masanori - HASHIMOTO, Hiroshi. PLAG1 expression in mesenchymal tumors: An immunohistochemical study with special emphasis on the pathogenetical distinction between soft tissue myoepithelioma and pleomorphic adenoma of the salivary gland. In PATHOLOGY INTERNATIONAL. ISSN 1320-5463, 2012, vol. 62, no. 1, pp. 1., WOS
- [1.1] MENDOZA, Pia R. - JAKOBIEC, Frederick A. - KRANE, Jeffrey F. Immunohistochemical Features of Lacrimal Gland Epithelial Tumors. In AMERICAN JOURNAL OF OPHTHALMOLOGY. ISSN 0002-9394, 2013, vol. 156, no. 6, pp. 1147., WOS
- [1.1] TANG, Qiuqin - WU, Wei - XU, Xia - HUANG, Lu - GAO, Qiong - CHEN, Huijuan - SUN, Hong - XIA, Yankai - SHA, Jiahao - WANG, Xinru - CHEN, Daozhen - XU, Qian. miR-141 Contributes to Fetal Growth Restriction by Regulating PLAG1 Expression. In PLOS ONE. ISSN 1932-6203, 2013, vol. 8, no. 3, pp., WOS
- [1.1] TOMLINSON, Gail E. - KAPPLER, Roland. Genetics and epigenetics of hepatoblastoma. In PEDIATRIC BLOOD & CANCER. ISSN 1545-5009, 2012, vol. 59, no. 5, pp. 785., WOS
- [1.1] VON FROWEIN, Julia - PAGEL, Philipp - KAPPLER, Roland - VON SCHWEINITZ, Dietrich - ROSCHER, Adelbert - SCHMID, Irene. MicroRNA-492 is Processed from the Keratin 19 Gene and Up-Regulated in Metastatic Hepatoblastoma. In HEPATOLOGY, 2011, vol.53, no.3, 833., WOS
- [1.2] FU, Lin - YANG, Yu Xiu - BAI, Yang Qiu - ZHANG, Li Da. Abnormal expression of PLAG1 in plasma of patients with hepatocellular carcinoma. In World Chinese Journal of Digestology. ISSN 10093079, 2014-01-01, 22, 5, pp. 630-636., SCOPUS
- [1.2] LÓPEZ-TERRADA, Dolores H. Hepatoblastoma. In Diagnostic Histopathology. ISSN 17562317, 2014-02-01, 20, 2, pp. 67-75., SCOPUS

ADCA262 ZATKOVÁ, Andrea. An update on molecular genetics of Alkaptonuria (AKU). In *Journal of Inherited Metabolic Disease*, 2011, vol. 34, no. 6, p. 1127-1136. (3.808 - IF2010). (2011 - Current Contents). ISSN 0141-8955.

Ohlasy:

- [1.1] ALSBOU, Mohammed - MWAFI, Nesrin. A Previously Undiagnosed Case of Alkaptonuria: A Case Report. In TURKISH JOURNAL OF RHEUMATOLOGY. ISSN 1309-0291, 2013, vol. 28, no. 2, pp. 132., WOS
- [1.1] AQUARON, Robert. Alkaptonuria: A Very Rare Metabolic Disorder. In INDIAN JOURNAL OF BIOCHEMISTRY & BIOPHYSICS. ISSN 0301-1208, 2013, vol. 50, no. 5, pp. 339., WOS
- [1.1] AQUARON, R.R. Alkaptonuria in France: past experience and lessons for the future. In JOURNAL OF INHERITED METABOLIC DISEASE. ISSN 0141-8955, DEC 2011, vol. 34, no. 6, p. 1115-1126., WOS
- [1.1] BRACONI, Daniela - MILLUCCI, Lia - GHEZZI, Lorenzo - SANTUCCI, Annalisa. Redox proteomics gives insights into the role of oxidative stress in alkaptonuria. In EXPERT REVIEW OF PROTEOMICS. ISSN 1478-9450, 2013, vol. 10, no. 6, pp. 521., WOS
- [1.1] CRAIDE, Fernanda Helena - BARBOSA MARTINS DA FONSECA, Juliana Salvini - MARIANO, Priscila Coelho - FERNANDEZ, Natalia Monteiro - CARNEIRO DE CASTRO, Carlos Gustavo - LIMA MENE, Yuri de Souza. Alkaptonuria Case report. In ANAIS BRASILEIROS DE DERMATOLOGIA.

ISSN 0365-0596, 2014, vol. 89, no. 5, pp. 799., WOS

[1.1] FIELDING, Andrew J. - LIPSCOMB, John D. - QUE, Lawrence. A two-electron-shell game: intermediates of the extradiol-cleaving catechol dioxygenases. In JOURNAL OF BIOLOGICAL INORGANIC CHEMISTRY. ISSN 0949-8257, 2014, vol. 19, no. 4-5, pp. 491., WOS

[1.1] JEOUNG, Jae-Hun - BOMMER, Martin - LIN, Tzong-Yuan - DOBBEK, Holger. Visualizing the substrate-, superoxo-, alkylperoxo-, and product-bound states at the nonheme Fe(II) site of homogentisate dioxygenase. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA. ISSN 0027-8424, 2013, vol. 110, no. 31, pp. 12625., WOS

[1.1] LINDNER, Moritz - BERTELMANN, Thomas. On the ocular findings in ochronosis: a systematic review of literature. In BMC OPHTHALMOLOGY. ISSN 1471-2415, 2014, vol. 14, no., pp., WOS

[1.1] PRESTON, Andrew J. - KEENAN, Craig M. - SUTHERLAND, Hazel - WILSON, Peter J. - WLODARSKI, Brenda - TAYLOR, Adam M. - WILLIAMS, Dominic P. - RANGANATH, Lakshminarayan R. - GALLAGHER, James A. - JARVIS, Jonathan C. Ochronotic osteoarthropathy in a mouse model of alkaptonuria, and its inhibition by nitisinone. In ANNALS OF THE RHEUMATIC DISEASES. ISSN 0003-4967, 2014, vol. 73, no. 1, pp. 284., WOS

[1.1] TOUSSIROT, Eric - AQUARON, Robert. Short-Term Efficacy of Hyaluronic Acid Joint Injections in a Case of Ochronotic Arthropathy. In JCR-JOURNAL OF CLINICAL RHEUMATOLOGY. ISSN 1076-1608, 2013, vol. 19, no. 3, pp. 152., WOS

[1.1] YANG, Yong-jia - GUO, Ji-hong - CHEN, Wei-jian - ZHAO, Rui - TANG, Jin-song - MENG, Xiao-hua - ZHAO, Liu - TU, Ming - HE, Xin-yu - WU, Ling-qian - ZHU, Yi-min. First report of HGD mutations in a Chinese with alkaptonuria. In GENE. ISSN 0378-1119, 2013, vol. 518, no. 2, pp. 467., WOS

[1.2] HU, Man - MA, Hongwei - LUO, Yang - WANG, Lin - SONG, Ying - LI, Fang. Gene diagnosis of alkaptonuria in an infant. In Chinese Journal of Contemporary Pediatrics. ISSN 10088830, 2012-10-15, 14, 10, pp. 796-797., SCOPUS

[1.2] YOUSEFGHAHARI, Behnaz - AHMADI, Abbasali M. - GURAN, Ardeshir. Three cases of alkaptonuria in one family in mazandaran province, iran. In Caspian Journal of Internal Medicine. ISSN 20086164, 2013-06-19, 4, 2, pp. 677-680., SCOPUS

[9] GALLAGHER, J.A. - TAYLOR, A.M. - BOYDE, A. - JARVIS, J.C. - RANGANATH, L.R. Recent advances in understanding the pathogenesis of ochronosis. In Reumatologia (Warsaw), 2012, vol. 50, no. 4, p. 316-323

ADCA263 ZAŤKOVÁ, Andrea - HAHNEN, E. - WIRTH, B. - KÁDAŠI, Ľudevít.

Analysis of the SMN and NAIP genes in Slovak spinal muscular atrophy patients. In *Human Heredit*, 2000, vol. 50, iss. 3, p. 171-174. ISSN 0001-5652.

Ohlasy:

[1.1] POMPILIA, Apostol - DANUT, Cimponeriu - SONIA, Spandole - MIHAI, Toma - MONICA, Stavarachi - IRINA, Radu - CRISTIAN, Serafinceanu - MARIE, Craciun Anne - LAVINIA-MARIANA, Berca - ADRIANA, Ion Daniela. ASSOCIATION STUDY OF NEURONAL APOPTOSIS INHIBITORY PROTEIN GENE IN OVERWEIGHT AND

OBESITY. In ROMANIAN BIOTECHNOLOGICAL LETTERS. ISSN 1224-5984, 2013, vol. 18, no. 4, pp. 8430., WOS

ADCA264 ZATKOVÁ, Andrea - MESSIAEN, L. - VANDENBROUCKE, I - WIESER, R. - FONATSCH, C. - KRAINER, A.R. - WIMMER, Katherine. Disruption of exonic splicing enhancer elements is the principal cause of exon skipping associated with seven nonsense or missense alleles of NF1. In *Human Mutation*, 2004, vol. 24, iss. 6, p.491-501. ISSN 1059-7794.

Ohlasy:

[1.1] BREA-FERNANDEZ, Alejandro J. - FERRO, Marta - FERNANDEZ-ROZADILLA, Ceres - BLANCO, Ana - FACHAL, Laura - SANTAMARINA, Marta - VEGA, Ana - PAZOS, Alejandro - CARRACEDO, Angel - RUIZ-PONTE, Clara. An Update of In Silico Tools for the Prediction of Pathogenesis in Missense Variants. In *CURRENT BIOINFORMATICS*, 2011, vol.6, no.2, 185., WOS

[1.1] BURATTI, Emanuele - BARALLE, Marco - BARALLE, Francisco E. From single splicing events to thousands: the ambiguous step forward in splicing research. In *BRIEFINGS IN FUNCTIONAL GENOMICS*. ISSN 2041-2649, 2013, vol. 12, no. 1, pp. 3., WOS

[1.1] DOKTOR, Thomas Koed - SCHRODER, Lisbeth Dahl - ANDERSEN, Henriette Skovgaard - BRONER, Sabrina - KITEWSKA, Anna - SORENSEN, Charlotte Brandt - ANDRESEN, Brage Storstein. Absence of an Intron Splicing Silencer in Porcine Smn1 Intron 7 Confers Immunity to the Exon Skipping Mutation in Human SMN2. In *PLOS ONE*. ISSN 1932-6203, 2014, vol. 9, no. 6, pp., WOS

[1.1] DOKTOR, Thomas Koed - SCHROEDER, Lisbeth Dahl - VESTED, Anne - PALMFELDT, Johan - ANDERSEN, Henriette Skovgaard - GREGERSEN, Niels - ANDRESEN, Brage Storstein. SMN2 Exon 7 Splicing is Inhibited by Binding of hnRNP A1 to a Common ESS Motif That Spans the 3' Splice Site. In *HUMAN MUTATION*, 2011, vol.32, no.2, 220., WOS

[1.1] FLANIGAN, Kevin M. - DUNN, Diane M. - VON NIEDERHAUSERN, Andrew - SOLTANZADEH, Payam - HOWARD, Michael T. - SAMPSON, Jacinda B. - SWOBODA, Kathryn J. - BROMBERG, Mark B. - MENDELL, Jerry R. - TAYLOR, Laura E. - ANDERSON, Christine B. - PESTRONK, Alan - FLORENCE, Julaine M. - CONNOLLY, Anne M. - MATHEWS, Katherine D. - WONG, Brenda - FINKEL, Richard S. - BONNEMANN, Carsten G. - DAY, John W. - MCDONALD, Craig - WEISS, Robert B. Nonsense Mutation-Associated Becker Muscular Dystrophy: Interplay Between Exon Definition and Splicing Regulatory Elements within the DMD Gene. In *HUMAN MUTATION*, 2011, vol.32, no.3, 299., WOS

[1.1] HERNANDEZ-IMAZ, E. - CAMPOS, B. - RODRIGUEZ-ALVAREZ, F. J. - ABAD, O. - MELEAN, G. - GARDENYES, J. - MARTIN, Y. - HERNANDEZ-CHICO, C. Characterization of NF1 allele containing two nonsense mutations in exon 37 that segregates with neurofibromatosis type 1. In *CLINICAL GENETICS*. ISSN 0009-9163, 2013, vol. 83, no. 5, pp. 462., WOS

[1.1] JIN, Ping - CAI, Rongrong - ZHOU, Xiaodan - LI-LING, Jesse - MA, Fei. Features of missense/nonsense mutations in exonic splicing enhancer sequences from cancer-related human genes. In *MUTATION RESEARCH-FUNDAMENTAL AND MOLECULAR MECHANISMS OF MUTAGENESIS*. ISSN 0027-5107, 2012, vol. 740, no. 1-2, pp. 6., WOS

[1.1] JUAN-MATEU, Jonas - GONZALEZ-QUEREDA, Lidia - JOSE RODRIGUEZ, Maria - VERDURA, Edgard - LAZARO, Kira - JOU, Cristina - NASCIMENTO, Andres - JIMENEZ-MALLEBRERA, Cecilia - COLOMER, Jaume - MONGES, Soledad - LUBIENIECKI, Fabiana - EUGENIA FONCUBERTA, Maria - IGNACIO PASCUAL-PASCUAL, Samuel - MOLANO, Jesus - BAIGET, Montserrat - GALLANO, Pia. Interplay between DMD Point Mutations and Splicing Signals in Dystrophinopathy Phenotypes. In PLOS ONE. ISSN 1932-6203, 2013, vol. 8, no. 3, pp., WOS

[1.1] MENENDEZ, Mireia - CASTELLSAGUE, Joan - MIRETE, Marc - PROS, Eva - FELIUBADALO, Lidia - OSORIO, Ana - CALAF, Monica - TORNERO, Eva - DEL VALLE, Jesus - FERNANDEZ-RODRIGUEZ, Juana - QUILES, Francisco - SALINAS, Monica - VELASCO, Angela - TEULE, Alex - BRUNET, Joan - BLANCO, Ignacio - CAPELLA, Gabriel - LAZARO, Conxi. Assessing the RNA effect of 26 DNA variants in the BRCA1 and BRCA2 genes. In BREAST CANCER RESEARCH AND TREATMENT. ISSN 0167-6806, 2012, vol. 132, no. 3, pp. 979., WOS

[1.1] STERNE-WEILER, Timothy - HOWARD, Jonathan - MORT, Matthew - COOPER, David N. - SANFORD, Jeremy R. Loss of exon identity is a common mechanism of human inherited disease. In GENOME RESEARCH, 2011, vol.21, no.10, 1563., WOS

[1.1] TRIPATHI, Snigdha - SCHULTZ, Imke - BECKER, Edgar - MONTAG, Judith - BORCHERT, Bianca - FRANCINO, Antonio - NAVARRO-LOPEZ, Francisco - PERROT, Andreas - OEZCELIK, Cemil - OSTERZIEL, Karl-Josef - MCKENNA, William J. - BRENNER, Bernhard - KRAFT, Theresia. Unequal allelic expression of wild-type and mutated beta-myosin in familial hypertrophic cardiomyopathy. In BASIC RESEARCH IN CARDIOLOGY, 2011, vol.106, no.6, 1041., WOS

[1.1] WAPPENSCHMIDT, Barbara - BECKER, Alexandra A. - HAUKE, Jan - WEBER, Ute - ENGERT, Stefanie - KOEHLER, Juliane - KAST, Karin - ARNOLD, Norbert - RHIEM, Kerstin - HAHNEN, Eric - MEINDL, Alfons - SCHMUTZLER, Rita K. Analysis of 30 Putative BRCA1 Splicing Mutations in Hereditary Breast and Ovarian Cancer Families Identifies Exonic Splice Site Mutations That Escape In Silico Prediction. In PLOS ONE. ISSN 1932-6203, 2012, vol. 7, no. 12, pp., WOS

[1.1] XU, Weihong - YANG, Xiao - HU, Xiaoxia - LI, Shibo. Fifty-four novel mutations in the NF1 gene and integrated analyses of the mutations that modulate splicing. In INTERNATIONAL JOURNAL OF MOLECULAR MEDICINE. ISSN 1107-3756, 2014, vol. 34, no. 1, pp. 53., WOS

ADCA265 ZATKOVÁ, Andrea - ULLMANN, Reinhard - ROUILLARD, Jean Marie - LAMB, Barbara J - KUICK, Rork - HANASH, Sam M. - SCHNITTGER, Susanne - SCHOCH, Claudia - FONATSCH, Christa - WIMMER, Katharina. Distinct sequences on 11q13.5 and 11q23-24 are frequently coamplified with MLL in complexly organized 11q amplicons in AML/MDS patients. In *GENES CHROMOSOMES AND CANCER*, 2004, vol. 39, issue 4, p. 263-276.

Ohlasy:

[1.1] YIP, Bon Ham - SO, Chi Wai Eric. Mixed lineage leukemia protein in normal and leukemic stem cells. In EXPERIMENTAL BIOLOGY AND MEDICINE. ISSN 1535-3702, 2013, vol. 238, no. 3, pp. 315., WOS

[3] MULLIGHAN, C.G. - PUI, CH.(ed). Molecular genetics of acute lymphoblastic leukemia. In *Childhood Leukemias*, 3rd Edition, 2012, p. 168-203

ADCA266 ZATKOVÁ, Andrea - SCHOCH, Claudia - SPELEMAN, Frank - POPPE, Bruce - MANNHALTER, Christine - FONATSCH, Christa - WIMMER, Katharina. GAB2 is a novel target of 11q amplification in AML/MDS. In *GENES CHROMOSOMES AND CANCER*, 2006, vol. 45, issue 9, p.798-807. ISSN 1045-2257.

Ohlasy:

[1.1] ABREU, Maria Teresa Herrera - HUGHES, William E. - MELE, Katarina - LYONS, Ruth J. - RICKWOOD, Danny - BROWNE, Brigid C. - BENNETT, Haley L. - VALLOTTON, Pascal - BRUMMER, Tilman - DALY, Roger J. Gab2 regulates cytoskeletal organization and migration of mammary epithelial cells by modulating RhoA activation. In *MOLECULAR BIOLOGY OF THE CELL*, 2011, vol.22, no.1, 105., WOS

[1.1] ADAMS, Sarah J. - AYDIN, Iraz T. - CELEBI, Julide T. GAB2-a Scaffolding Protein in Cancer. In *MOLECULAR CANCER RESEARCH*. ISSN 1541-7786, 2012, vol. 10, no. 10, pp. 1265., WOS

[1.1] HONG, Wan-Jen - MEDEIROS, Bruno C. Unfavorable-risk cytogenetics in acute myeloid leukemia. In *EXPERT REVIEW OF HEMATOLOGY*, 2011, vol.4, no.2, 173., WOS

[1.1] MARTELLI, Alberto M. - CHIARINI, Francesca - EVANGELISTI, Camilla - CAPPELLINI, Alessandra - BUONTEMPO, Francesca - BRESSANIN, Daniela - FINI, Milena - MCCUBREY, James A. Two hits are better than one: targeting both phosphatidylinositol 3-kinase and mammalian target of rapamycin as a therapeutic strategy for acute leukemia treatment. In *ONCOTARGET*. ISSN 1949-2553, 2012, vol. 3, no. 4, pp. 371., WOS

[1.1] ORTIZ-PADILLA, C. - GALLEGO-ORTEGA, D. - BROWNE, B. C. - HOCHGRAEFE, F. - CALDON, C. E. - LYONS, R. J. - CROUCHER, D. R. - RICKWOOD, D. - ORMANDY, C. J. - BRUMMER, T. - DALY, R. J. Functional characterization of cancer-associated Gab1 mutations. In *ONCOGENE*. ISSN 0950-9232, 2013, vol. 32, no. 21, pp. 2696., WOS

[1.1] SHI, Lihong - SUN, Xiuning - ZHANG, Jin - ZHAO, Chunling - LI, Hongli - LIU, Zhijun - FANG, Chunyan - WANG, Xuejian - ZHAO, Chunzhen - ZHANG, Xiurong - ZHOU, Fenghua - LU, Shijun - LUO, Rongcheng - ZHANG, Baogang. Gab2 expression in glioma and its implications for tumor invasion. In *ACTA ONCOLOGICA*. ISSN 0284-186X, 2013, vol. 52, no. 8, pp. 1739., WOS

[1.1] XU, Xiu-Li - WANG, Xia - CHEN, Zhao-Li - JIN, Min - YANG, Wu - ZHAO, Guo-Fan - LI, Jun-Wen. Overexpression of Grb2-associated Binder 2 in Human Lung Cancer. In *INTERNATIONAL JOURNAL OF BIOLOGICAL SCIENCES*, 2011, vol.7, no.5, 496., WOS

[1.1] YANG, Y. - WU, J. - DEMIR, A. - CASTILLO-MARTIN, M. - MELAMED, R. D. - ZHANG, G. - FUKUNAGA-KANABIS, M. - PEREZ-LORENZO, R. - ZHENG, B. - SILVERS, D. N. - BRUNNER, G. - WANG, S. - RABADAN, R. - CORDON-CARDO, C. - CELEBI, J. T. GAB2 induces tumor angiogenesis in NRAS-driven melanoma. In *ONCOGENE*. ISSN 0950-9232, 2013, vol. 32, no. 31, pp. 3627., WOS

[1.1] YIP, Bon Ham - SO, Chi Wai Eric. Mixed lineage leukemia protein in normal and leukemic stem cells. In *EXPERIMENTAL BIOLOGY AND MEDICINE*. ISSN 1535-3702, 2013, vol. 238, no. 3, pp. 315., WOS

[1.2] NAKAOKA, Yoshikazu - KOMURO, Issei. Gab docking proteins in cardiovascular disease, cancer, and inflammation. In *International Journal of Inflammation*. ISSN 20908040, 2013-03-11, 2013, pp., SCOPUS

ADCA267 ZÁŤKOVÁ, Andrea - ZVARIK, Marek - DEBERNABE, D. B. V. - POLÁKOVÁ, Helena - FERÁKOVÁ, E. - BOSAK, V. - FERAK, V. - KÁDAŠI, Ľudevít - DECORDOBA, S. R. High frequency of alkaptonuria in Slovakia: Evidence for the appearance of multiple mutations in HGO involving different mutational hot spots. In *American Journal of Human Genetics*, 2000, vol. 67, iss. 5, p. 1333-1339. ISSN 0002-9297.

Ohlasy:

[1.1] KHALED, Aida - KERKENI, Nadia - HAWILO, Abdelmoti - FAZAA, Becima - KAMOUN, Mohamed Ridha. Endogenous ochronosis: case report and a systematic review of the literature. In *INTERNATIONAL JOURNAL OF DERMATOLOGY*, 2011, vol.50, no.3, 262., WOS

[1.1] LINDNER, Moritz - BERTELMANN, Thomas. On the ocular findings in ochronosis: a systematic review of literature. In *BMC OPHTHALMOLOGY*. ISSN 1471-2415, 2014, vol. 14, no., pp., WOS

[1.1] RANGANATH, L. - TAYLOR, A. M. - SHENKIN, A. - FRASER, W. D. - JARVIS, J. - GALLAGHER, J. A. - SIREAU, N. Identification of alkaptonuria in the general population: a United Kingdom experience describing the challenges, possible solutions and persistent barriers. In *JOURNAL OF INHERITED METABOLIC DISEASE*, 2011, vol.34, no.3, 723., WOS

[1.2] ABIMBOLA, O. - HALL, G. - ZUCKERMAN, J.D. Degenerative arthritis of the knee secondary to ochronosis: A case report. In *Bulletin of the NYU Hospital for Joint Diseases*, 2011, vol.69, no.4, 331-334., SCOPUS

[1.2] AL-SBOU, M. - MWAFI, N. - LUBAD, M.A. Identification of forty cases with alkaptonuria in one village in Jordan. In *Rheumatology International*, 2012, 32, 12, pp. 3737-3740., SCOPUS

[1.2] AMIRI, A.H. - RAFIEI, A. Alkaptonuria in a middle-aged female. In *Caspian Journal of Internal Medicine*, 2012, 3, 4, pp. 554-556., SCOPUS

[1.2] BRACONI, Daniela - MILLUCCI, Lia - GHEZZI, Lorenzo - SANTUCCI, Annalisa. Redox proteomics gives insights into the role of oxidative stress in alkaptonuria. In *Expert Review of Proteomics*. ISSN 14789450, 2013-11-25, 10, 6, pp. 521-535., SCOPUS

[1.2] CEBESOU, Oguz - ISIK, Mustafa - SUBASI, Mehmet - KAYA, Abbas - BILGIN, Fethi - KAYA, Oğuz. Total hip replacement for an ochronotic patient: A technical trick. In *American Journal of Case Reports*, 2014-01-17, 15, pp. 27-30., SCOPUS

[1.2] JEBARAJ, Isaac - CHACKO, Binita Riya - CHIRAMEL, George Koshy - MATTHAI, Thomas - PARAMESWARAN, Apurve. A simplified staging system based on the radiological findings in different stages of ochronotic spondyloarthropathy. In *Indian Journal of Radiology and Imaging*. ISSN 09713026, 2013-02-01, 23, 1, pp. 101-105., SCOPUS

[1.2] KAHVECI, Ramazan - ERGÜNGÖR, Mehmet Fikret - GÜNAYDIN, Ahmet - TEMİZ, Atiye. Alkaptonuric patient presenting with "black" disc: A case report. In *Acta Orthopaedica et Traumatologica Turcica*. ISSN 1017995X, 2013-07-30, 47, 2, pp. 134-138., SCOPUS

[1.2] ÖZMANEVRA, Ramadan - GÜRAN, Ortaç - KARATOSUN, Vasfi - GÜNAL, İzge. Total knee arthroplasty in ochronosis: A case report and critical

review of the literature. In *Eklemleri Hastalıkları ve Cerrahisi*. ISSN 13058282, 2013-11-26, 24, 3, pp. 169-172., SCOPUS

[1.2] STEGER, C.M. Aortic valve ochronosis: A rare manifestation of alkaptonuria. In *BMJ Case Reports*, 2011, vol., SCOPUS

[1.2] ZANNINI, Emanuele - KINGSTON, Wilma - ARENDT, Elke Karin - WATERS, Deborah M. Technological challenges and strategies for developing low-protein/protein-free cereal foods for specific dietary management. In *Food Research International*. ISSN 09639969, 2013-11-01, 54, 1, pp. 935-950., SCOPUS

ADCA268 ZAŤKOVÁ, Andrea - POLÁKOVÁ, Helena - MICUTKOVA, L. - ZVARIK, Marek - BOSAK, Vladimir - FERA KOVA, Eva - MATUSEK, Jan - FER EK, Vladimir - KÁDAŠI, Ľudevít. Novel mutations in the homogentisate-1,2-dioxygenase gene identified in Slovak patients with alkaptonuria. In *Journal of Medical Genetics*, 2000, vol. 37, iss. 7, p. 539-542. ISSN 0022-2593. Ohlasy:

[1.1] BRACONI, Daniela - MILLUCCI, Lia - GHEZZI, Lorenzo - SANTUCCI, Annalisa. Redox proteomics gives insights into the role of oxidative stress in alkaptonuria. In *EXPERT REVIEW OF PROTEOMICS*. ISSN 1478-9450, 2013, vol. 10, no. 6, pp. 521., WOS

ADCA269 ZAŤKOVÁ, Andrea - CHMELIKOVA, Andrea - POLÁKOVÁ, Helena - FERA KOVA, Eva - KÁDAŠI, Ľudevít. Rapid detection methods for five HGO gene mutations causing alkaptonuria. In *Clinical genetics*, 2003, vol. 63, iss. 2, p. 145-149. ISSN 0009-9163.

Ohlasy:

[1.1] AL-SBOU, Mohammed. Novel mutations in the homogentisate 1,2 dioxygenase gene identified in Jordanian patients with alkaptonuria. In *RHEUMATOLOGY INTERNATIONAL*. ISSN 0172-8172, 2012, vol. 32, no. 6, pp. 1741., WOS

[1.1] AZAMI, Ahad - MALEKI, Nasrollah - TAVOSI, Zahra. Alkaptonuric ochronosis: a clinical study from Ardabil, Iran. In *INTERNATIONAL JOURNAL OF RHEUMATIC DISEASES*. ISSN 1756-1841, 2014, vol. 17, no. 3, pp. 327., WOS

[1.1] HIROYOSHI, Junko - SAITO, Aya - PANTHEE, Nirmal - IMAI, Yasushi - KAWASHIMA, Dai - MOTOMURA, Noboru - ONO, Minoru. Aortic Valve Replacement for Aortic Stenosis Caused by Alkaptonuria. In *ANNALS OF THORACIC SURGERY*. ISSN 0003-4975, 2013, vol. 95, no. 3, pp. 1076., WOS

ADCA270 ZIEGELHÖFFER, Attila - RAVINGEROVÁ, Táňa - STYK, Ján - TRIBULOVÁ, Narcis - VOLKOV OVA, K. - SEBOKOVA, J. - BREIER, Albert. Diabetic cardiomyopathy in rats:biochemical mechanisms of increased tolerance to calcium overload. In *Diabetes Res.Clin.Pr.*, 1996, vol. 31, p. S93-S103.

Ohlasy:

[1.2] LIU, Zhongwei - CAI, Hui - ZHU, Haitao - TOQUE, Haroldo - ZHAO, Na - QIU, Chuan - GUAN, Gongchang - DANG, Yonghui - WANG, Junkui. Protein kinase RNA-like endoplasmic reticulum kinase (PERK)/calcineurin signaling is a novel pathway regulating intracellular calcium accumulation which might be involved in ventricular arrhythmias in diabetic cardiomyopathy. In

- ADCA271 ZIEGELHÖFFER, Attila - RAVINGEROVÁ, Táňa - STYK, Ján - ŠEBOKOVÁ, J. - WACZULÍKOVÁ, Iveta - BREIER, Albert - DŽURBA, Andrej - VOLKOVÁ, K. - ČÁRSKY, J. - TURECKÝ, L. Mechanisms that may be involved in calcium tolerance of diabetic heart. In *Molecular and Cellular Biochemistry*, 1997, vol. 176, p. 191-197. (1.504 - IF1996). (1997 - Current Contents). ISSN 0300-8177.

Ohlasy:

- [1.1] LABIENIEC-WATALA, M. - SIEWIERA, K. - JOZWIAK, Z. Resorcylicidene Aminoguanidine (RAG) Improves Cardiac Mitochondrial Bioenergetics Impaired by Hyperglycaemia in a Model of Experimental Diabetes. In *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*. ISSN 1661-6596, NOV 2011, vol. 12, no. 11, p. 8013-8026., WOS
- [1.2] OUYANG, Changhan - YOU, Jieyun - XIE, Zhonglin. The interplay between autophagy and apoptosis in the diabetic heart. In *Journal of Molecular and Cellular Cardiology*. ISSN 00222828, 2014-01-01, 71, pp. 71-80., SCOPUS
- [3] DRAPKINA, O.M. - GEGENAVA, B.B. Myocardial fibrosis in patients with diabetes mellitus. IN *RATIONAL PHARMACOTHERAPY IN CARDIOLOGY*. ISSN 1819-6446, 2013, vol. 9, iss. 1, p. 62-65, google scholar

- ADCA272 ZIEGELHÖFFER, Attila - STYK, Ján - RAVINGEROVÁ, Táňa - ŠEBOKOVÁ, J. - VOLKOVÁ, K. - WACZULIKOVÁ, I. - ČÁRSKY, J. - DŽURBA, Andrej - DOČOLOMANSKÝ, Peter. Prevention of processes coupled with free radical formation prevents also the development of calcium-resistance in the diabetic heart. In *Life Sciences*, 1999, vol. 65, no. 18/19, p. 1999-2001. (1.937 - IF1998). (1999 - Current Contents). ISSN 0024-3205.

Ohlasy:

- [1.1] BALAKUMAR, Pitchai - SHARMA, Nidhi Krishan. Healing the diabetic heart: Does myocardial preconditioning work? In *CELLULAR SIGNALLING*. ISSN 0898-6568, 2012, vol. 24, no. 1, pp. 53., WOS

- ADCA273 ZIEGLER, Waldemar - GABURJÁKOVÁ, Jana - GABURJÁKOVÁ, Marta - SIVAK, Branislav - REHACEK, Vlastimil - HIANIK, Tibor. Agar-supported lipid bilayers - basic structures for biosensor design. Electrical and mechanical properties. In *Colloids and Surfaces*, 1998, vol. 140, iss. 1-3, p. 357-367. (1998 - Current Contents). ISSN 0927-7757.

Ohlasy:

- [1.1] CAMPOS, Rui - KATAKY, Ritu. Electron Transport in Supported and Tethered Lipid Bilayers Modified with Bioelectroactive Molecules. In *JOURNAL OF PHYSICAL CHEMISTRY B*. ISSN 1520-6106, 2012, vol. 116, no. 13, pp. 3909., WOS
- [1.1] HEITZ, Benjamin A. - XU, Juhua - JONES, Ian W. - KEOGH, John P. - COMI, Troy J. - HALL, Henry K. - ASPINWALL, Craig A. - SAAVEDRA, S. Scott. Polymerized Planar Suspended Lipid Bilayers for Single Ion Channel Recordings: Comparison of Several Dienoyl Lipids. In *LANGMUIR*, 2011, vol.27, no.5, 1882., WOS
- [1.1] IBRAGIMOVA, Sania - STIBIUS, Karin - SZEWCZYKOWSKI, Piotr - PERRY, Mark - BOHR, Henrik - HELIX-NIELSEN, Claus. Hydrogels for in

situ encapsulation of biomimetic membrane arrays. In POLYMERS FOR ADVANCED TECHNOLOGIES. ISSN 1042-7147, 2012, vol. 23, no. 2, pp. 182., WOS

[1.1] NAUMOWICZ, Monika - FIGASZEWSKI, Zbigniew Artur. Chronoamperometric Technique as a Useful Method for Electrical Characterization of Bilayer Lipid Membranes. In JOURNAL OF THE ELECTROCHEMICAL SOCIETY. ISSN 0013-4651, 2014, vol. 161, no. 1, pp. H11., WOS

[1.1] NAUMOWICZ, Monika - FIGASZEWSKI, Zbigniew Artur. Chronopotentiometric Technique as a Method for Electrical Characterization of Bilayer Lipid Membranes. In JOURNAL OF MEMBRANE BIOLOGY, 2011, vol.240, no.1, 47., WOS

[1.1] NORTHUTT, Robert - SUNDARESAN, Vishnu-Baba - SALINAS, Sergio - ZHANG, Hao. POLYPYRROLE BRIDGE AS A SUPPORT FOR ALAMETHICIN-RECONSTITUTED PLANAR BILAYER LIPID MEMBRANES. In PROCEEDINGS OF THE ASME CONFERENCE ON SMART MATERIALS, ADAPTIVE STRUCTURES AND INTELLIGENT SYSTEMS (SMASIS 2011), VOL 2, 2012, vol., no., pp. 613., WOS

[1.2] NAUMOWICZ, Monika - PETELSKA, Aneta Dorota - FIGASZEWSKI, Zbigniew Artur. Electrochemical impedance spectroscopy as a method for electrical characterization of the bilayers formed from lipid-amino acid systems. In Chemistry and Physics of Lipids. ISSN 00093084, 2013-10-16, 175-176, pp. 116-122., SCOPUS

ADCA274 ZURMANOVA, Jitka - DIFATO, Francesco - MALACOVA, Daniela - MEJSNAR, Jiri - STEFL, Bohumir - ZAHRAĐNÍK, Ivan. Creatine kinase binds more firmly to the M-band of rabbit skeletal muscle myofibrils in the presence of its substrates. In *Molecular and Cellular Biochemistry*, 2007, vol. 305, iss. 1-2, p. 55-61. (1.862 - IF2006). (2007 - Current Contents). ISSN 0300-8177.

Ohlasy:

[1.1] CHEN, Zhe - ZHAO, Tong-Jin - LI, Jie - GAO, Yan-Song - MENG, Fan-Guo - YAN, Yong-Bin - ZHOU, Hai-Meng. Slow skeletal muscle myosin-binding protein-C (MyBPC1) mediates recruitment of muscle-type creatine kinase (CK) to myosin. In BIOCHEMICAL JOURNAL, 2011, vol.436, no., 437., WOS

ADCA275 ŽÁČIKOVÁ, L. - ONDŘAŠ, Karol - KVETŇANSKÝ, Richard - KRIŽANOVÁ, Olga. Identification of type 1 IP3 receptors in the rat kidney and their modulation by immobilization stress. In *Biochimica et Biophysica Acta : biomembranes*, 2000, vol. 1466, iss. 1-2, p. 16-22. (2000 - Current Contents). ISSN 0005-2736.

Ohlasy:

[1.1] Adebiyi, A., Thomas-Gatewood, C.M., Leo, M.D., Kidd, M.W., Neeb, Z.P., Jaggar, J.H. An Elevation in Physical Coupling of Type 1 Inositol 1,4,5-Trisphosphate (IP3) Receptors to Transient Receptor Potential 3 (TRPC3) Channels Constricts Mesenteric Arteries in Genetic Hypertension. *Hypertension*, 60(5): 1213-+, 2012, WOS

ADCB Scientific papers in foreign journals registered in Current Contents Connect without IF (non-impacted)

- ADCB01 LACINOVÁ, Ľubica. Pharmacology of recombinant low-voltage activated calcium channels. In *Current Drug Targets*, 2004, vol. 3, p. 75-81. ISSN 1389-4051. Ohlasy:
- [1.1] BERGSON, P. - LIPKIND, G. - LEE, S.P. - DUBAN, M.E. - HANCK, D.A. Verapamil Block of T-Type Calcium Channels. In *MOLECULAR PHARMACOLOGY*. ISSN 0026-895X, MAR 2011, vol. 79, no. 3, p. 411-419., WOS
- [1.1] LEE, C.W. - EU, Y.J. - MIN, H.J. - CHO, E.M. - LEE, J.H. - KIM, H.H. - NAH, S.Y. - SWARTZ, K.J. - KIM, J.I. Expression and characterization of recombinant kurtoxin, an inhibitor of T-type voltage-gated calcium channels. In *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*. ISSN 0006-291X, DEC 16 2011, vol. 416, no. 3-4, p. 277-282., WOS
- [1.1] LEI, D.B. - GAO, X. - PEREZ, P. - OHLEMILLER, K.K. - CHEN, C.C. - CAMPBELL, K.P. - HOOD, A.Y. - BAO, J.X. Anti-epileptic drugs delay age-related loss of spiral ganglion neurons via T-type calcium channel. In *HEARING RESEARCH*. ISSN 0378-5955, AUG 2011, vol. 278, no. 1-2, SI, p. 106-112., WOS
- [1.1] XIANG, Z.X. - THOMPSON, A.D. - BROGAN, J.T. - SCHULTE, M.L. - MELANCON, B.J. - MI, D.B. - LEWIS, L.M. - ZOU, B.D. - YANG, L.Y. - MORRISON, R. - SANTOMANGO, T. - BYERS, F. - BREWER, K. - ALDRICH, J.S. - YU, H.B. - DAWSON, E.S. - LI, M. - MCMANUS, O. - JONES, C.K. - DANIELS, J.S. - HOPKINS, C.R. - XIE, X.M.S. - CONN, P.J. - WEAVER, C.D. - LINDSLEY, C.W. The Discovery and Characterization of ML218: A Novel, Centrally Active T-Type Calcium Channel Inhibitor with Robust Effects in STN Neurons and in a Rodent Model of Parkinson's Disease. In *ACS CHEMICAL NEUROSCIENCE*. ISSN 1948-7193, DEC 2011, vol. 2, no. 12, p. 730-742., WOS
- [1.2] DAOU, Arij - ROSS, Matthew T. - JOHNSON, Frank L. - HYSON, Richard L. - BERTRAM, Richard. Electrophysiological characterization and computational models of HVC neurons in the zebra finch. In *Journal of Neurophysiology*. ISSN 00223077, 2013-09-01, 110, 5, pp. 1227-1245., SCOPUS
- [1.2] DENG, J. - HE, P. - ZHONG, X. - WANG, Q. - LI, L. - SONG, B. Identification of T-type calcium channels in the interstitial cells of cajal in rat bladder. In *Urology*, 2012, 80, 6, pp. 1389.e1-1379.e7., SCOPUS
- [1.2] DURMUŞ, Nedim - KAYA, Tijen Temiz - GÜLTÜRK, Sefa - DEMİR, Tuncer - PARLAK, Mesut - ALTUN, Ahmet. The effects of L type calcium channels on the electroencephalogram recordings in WAG/RIJ rat model of absence epilepsy. In *European Review for Medical and Pharmacological Sciences*. ISSN 11283602, 2013-06-10, 17, 9, pp. 1149-1154., SCOPUS
- [1.2] JIANG, Y. - ZHANG, Y. - ZHANG, P. - SANG, T. - ZHANG, F. - JI, T. - HUANG, Q. - XIE, H. - DU, R. - CAI, B. - ZHAO, H. - WANG, J. - WU, Y. - WU, H. - XU, K. - LIU, X. - CHAN, P. - WU, X. NIPA2 located in 15q11.2 is mutated in patients with childhood absence epilepsy. In *Human Genetics*, 2012, 131, 7, pp. 1217-1224., SCOPUS
- [1.2] ZHANG, Yuan - ZHANG, Yuan - WANG, Hua - WANG, Hua - QIAN, Zhiyuan - FENG, Bo - ZHAO, Xianyang - JIANG, Xinghong - TAO, Jin - TAO, Jin. Low-voltage-activated T-type Ca²⁺ channel inhibitors as new tools in the treatment of glioblastoma: The role of endostatin. In *Pflugers Archiv*

- ADCB02 LIU, Ming - BERTOŮÁ, Anna - ILLY, Nicolas - BRISSAULT, Blandine - PENELLE, Jacques - ONDRIÁŠ, Karol - BARBIER, Valessa. A polymeric membrane permeabilizer displaying densely packed arrays of crown ether lateral substituents. In *RSC Advances*, 2012, vol.2, p.8606-8609. ISSN 2046-2069. ANR (2011 JS08 007 01), PHC Stefanik 2012/n26317ZA, APVV-SK-FR-0014-11.

Ohlasy:

- [1.1] WU, Wenyu - KIRILLOV, Alexander M. - YAN, Xuhuan - ZHOU, Panpan - LIU, Weisheng - TANG, Yu. Enhanced Separation of Potassium Ions by Spontaneous K⁺-Induced Self-Assembly of a Novel Metal-Organic Framework and Excess Specific Cation- π Interactions. In *ANGEWANDTE CHEMIE-INTERNATIONAL EDITION*. ISSN 1433-7851, 2014, vol. 53, no. 40, pp. 10649., WOS

ADDA Scientific papers in domestic journals registered in Current Contents Connect with IF (impacted)

- ADDA01 BAČOVÁ, Zuzana - NAJVIRTOVA, M. - KRIŽANOVÁ, Oľga - HUDECŮVÁ, Soňa - ZÓRAD, Štefan - ŠTRBÁK, Vladimír - BENICKÝ, Július. Effect of neonatal streptozotocin and thyrotropin-releasing hormone treatments on insulin secretion in adult rats. In *General physiology and biophysics*, 2005, vol. 24, no. 2, p. 181-197. (0.694 - IF2004). (2005 - Current Contents). ISSN 0231-5882.

Ohlasy:

- [1.1] SUNIL, Venkategowda - VERMA, Mahesh Kumar - OOMMEN, Anup M. - SADASIVUNI, Manojkumar - SINGH, Jaideep - VIJAYRAGHAV, Dasarahalli N. - CHANDRAVANSI, Bhawna - SHETTY, Jayalaxmi - BISWAS, Sanghamitra - DANDU, Anilkumar - MOOLEMATH, Yoganand - VENKATARANGANNA, Marikunte V. - SOMESH, Baggavalli P. - JAGANNATH, Madanahalli R. CNX-011-67, a novel GPR40 agonist, enhances glucose responsiveness, insulin secretion and islet insulin content in n-STZ rats and in islets from type 2 diabetic patients. In *BMC PHARMACOLOGY & TOXICOLOGY*. ISSN 2050-6511, 2014, vol. 15, no., pp., WOS
- [1.2] DAVILA-ESQUEDA, M. E. - MORALES, J. M. V. - JIMENEZ-CAPDEVILLE, M. E. - DE LA CRUZ, E. - FALCON-ESCOBEDO, R. - CHI-AHUMADA, E. - MARTIN-PEREZ, S. Low-Level Subchronic Arsenic Exposure from Prenatal Developmental Stages to Adult Life Results in an Impaired Glucose Homeostasis. In *EXPERIMENTAL AND CLINICAL ENDOCRINOLOGY & DIABETES*, vol.119, no.10, 613-617 2011, WOS

- ADDA02 BARANČÍK, Miroslav - BOHÁČOVÁ, Viera - ZBYŇOVCOVÁ, M. - BREIER, Albert. Differential expression of regulatory proteins in L1210/VCR cells with multidrug resistance. In *General physiology and biophysics*, 1999, vol. 18, no. 1, p. 45-56. (0.714 - IF1998). (1999 - Current Contents). ISSN 0231-5882.

Ohlasy:

- [1.1] JIN, Weina - LU, Ying - LI, Qinghua - WANG, Jian - ZHANG, Hongju - CHANG, Guoqiang - LIN, Yani - PANG, Tianxiang. Down-regulation of the P-glycoprotein relevant for multidrug resistance by intracellular acidification through the crosstalk of MAPK signaling pathways. In *INTERNATIONAL*

- ADDA03 BARTEKOVÁ, Monika - SULOVA, Zdena - PANCZA, Dezider - RAVINGEROVÁ, Táňa - STANKOVIČOVÁ, Tatiana - STYK, Ján - BREIER, Albert. Proteins released from liver after ischaemia induced an elevation of heart resistance against ischaemia-reperfusion injury: 2. Beneficial effect of liver ischaemia in situ. In *General Physiology and Biophysics*, 2004, vol. 23, č. 4, s. 489-497. (0.794 - IF2003). (2004 - Current Contents). ISSN 0231-5882.
- Ohlasy:
- [1.1] STRBAK, V. Cell Swelling-induced Peptide Hormone Secretion. In *CELLULAR PHYSIOLOGY AND BIOCHEMISTRY*. ISSN 1015-8987, 2011, vol. 28, no. 6, p. 1155-1168., WOS
- ADDA04 ŠPÁNIKOVÁ, Anna - IVANOVÁ, Monika - MATEJÍKOVÁ, Jana - RAVINGEROVÁ, Táňa - BARANČÍK, Miroslav. Influence of ischemia/reperfusion and modulation of PI3K/Akt kinase pathway on matrix metalloproteinase-2 in rat hearts. In *General Physiology and Biophysics : an international journal*, 2010, vol. 29, no. 1, p. 31-40. (0.741 - IF2009). (2010 - Current Contents). ISSN 0231-5882.
- Ohlasy:
- [1.1] DANIELS, Christopher R. - FOSTER, Cerrone R. - YAKOOB, Sana - DALAL, Suman - JOYNER, William L. - SINGH, Mahipal - SINGH, Krishna. Exogenous ubiquitin modulates chronic beta-adrenergic receptor-stimulated myocardial remodeling: role in Akt activity and matrix metalloproteinase expression. In *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*. ISSN 0363-6135, 2012, vol. 303, no. 12, pp. H1459., WOS
- [1.1] GAO, Ling - CHEN, Le - LU, Zhi-Zhen - GAO, Hong - WU, Lan - CHEN, Yi-Xiong - ZHANG, Cai-Mei - JIANG, Yu-Kun - JING, Qing - ZHANG, You-Yi - YANG, Huang-Tian. Activation of alpha(1B)-adrenoceptors contributes to intermittent hypobaric hypoxia-improved postischemic myocardial performance via inhibiting MMP-2 activation. In *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*. ISSN 0363-6135, 2014, vol. 306, no. 11, pp. H1569-H1581., WOS
- [1.1] SINGH, Raja B. - HRYSHKO, Larry - FREED, Darren - DHALLA, Naranjan S. Activation of proteolytic enzymes and depression of the sarcolemmal Na⁺/K⁺-ATPase in ischemia-reperfused heart may be mediated through oxidative stress. In *CANADIAN JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY*. ISSN 0008-4212, 2012, vol. 90, no. 2, pp. 249., WOS
- [1.2] PORTER, K. - MEDFORD, H.M. - MCINTOSH, C.M. - MARSH, S.A. Cardioprotection requires flipping the 'posttranslational modification' switch. In *Life Sciences*, 2012, 90, 3-4, pp. 89-98., SCOPUS
- ADDA05 BERTO VÁ, Anna - ČAČÁNYIOVÁ, Soňa - KRISTEK, František - KRIŽANOVÁ, Oľga - TOMÁŠKOVÁ, Zuzana - ONDRIAŠ, Karol. The hypothesis of the main role of H₂S in coupled sulphide-nitroso signalling pathway. In *General Physiology and Biophysics*, 2010, vol. 29, iss. 4, p. 402-410. (0.741 - IF2009). (2010 - Current Contents). ISSN 0231-5882.
- Ohlasy:
- [1.1] FILIPOVIC, M.R. - MILJKOVIC, J.L. - NAUSER, T. - ROYZEN, M. -

KLOS, K. - SHUBINA, T. - KOPPENOL, W.H. - LIPPARD, S.J. - IVANOVIC-BURMAZOVIC, I. Chemical Characterization of the Smallest S-Nitrosothiol, HSNO; Cellular Cross-talk of H₂S and S-Nitrosothiols. In JOURNAL OF THE AMERICAN CHEMICAL SOCIETY. ISSN 0002-7863, JUL 25 2012, vol. 134, no. 29, p. 12016-12027., WOS
 [1.1] LO FARO, Maria Letizia - FOX, Bridget - WHATMORE, Jacqueline L. - WINYARD, Paul G. - WHITEMAN, Matthew. Hydrogen sulfide and nitric oxide interactions in inflammation. In NITRIC OXIDE-BIOLOGY AND CHEMISTRY. ISSN 1089-8603, 2014, vol. 41, no., pp. 38., WOS

ADDA06 BOGNÁR, Csaba - BALDOVIČ, Marián - BENETIN, Ján - KÁDAŠI, Ľudevít - ZAŤKOVÁ, Andrea. Analysis of Leucine-rich repeat kinase 2 (LRRK2) and Parkinson protein 2 (parkin, PARK2) genes mutations in Slovak Parkinson disease patients. In *General Physiology and Biophysics*, 2013, vol.32, p. 55-66. (0.852 - IF2012). (2013 - Current Contents, WOS, SCOPUS). ISSN 0231-5882. VEGA 2/0055/09.

Ohlasy:

[1.2] ROCA, Valeria - PUNTEL, Mariana. LRRK-2 as a key molecule bridging inflammation to Parkinson's disease. In *Advances in Neuroimmune Biology*. ISSN 1878948X, 2013-12-01, 4, 3, pp. 205-215., SCOPUS

ADDA07 BOLČEKOVÁ, Anna - NÉMETHOVÁ, Martina - ZAŤKOVÁ, Andrea - HLINKOVÁ, K. - POZGAYOVÁ, S. - HLAVATÁ, A. - KÁDAŠI, Ľudevít - ĎUROVČÍKOVÁ, Darina - GERINEC, A - HUSÁKOVÁ, K - PAVLOVIČOVÁ, Z. - HOLOBRADA, M. - KOVÁCS, László - ILENČÍKOVÁ, Denisa. Clustering of mutations in the 5 tertile of the NF1 gene in Slovakia patients with optic pathway glioma. In *Neoplasma*, 2013, vol. 60, no.6, p. 655-665. (1.574 - IF2012). (2013 - Current Contents). ISSN 0028-2685. ITMS 26240220058, ITMS 26240220071, VEGA 2/0104/10, KEGA 003UK-4/2012.

Ohlasy:

[1.1] GUTMANN, David H. Eliminating barriers to personalized medicine Learning from neurofibromatosis type 1. In *NEUROLOGY*. ISSN 0028-3878, 2014, vol. 83, no. 5, pp. 463., WOS

ADDA08 BREIER, Albert - SULOVÁ, Zdena - VRBANOVÁ, Alena. Ca²⁺-Induced inhibition of sodium pump: Noncompetitive inhibition in respect to magnesium and sodium cations. In *General physiology and biophysics*, 1998, vol.17, iss. 5, p. 179-188. (0.259 - IF1997). (1998 - Current Contents, WOS, SCOPUS). ISSN 0231-5882.

Ohlasy:

[1.1] TAM, Y.Y.C. - CHEN, S. - ZAIFMAN, J. - TAM, Y.K. - LIN, P.J.C. - ANSELL, S. - ROBERGE, M. - CIUFOLINI, M.A. - CULLIS, P.R. Small molecule ligands for enhanced intracellular delivery of lipid nanoparticle formulations of siRNA. IN *NANOMEDICINE-NANOTECHNOLOGY BIOLOGY AND MEDICINE*, ISSN 1549-9634, 2013, vol. 9, iss. 5, p. 665-674, WOS

ADDA09 BREIER, Albert - DROBNÁ, Z. - BARANČÍK, Miroslav. Direct interaction between verapamil and doxorubicin causes the lack of reversal effect of verapamil on P-glycoprotein mediated resistance to doxorubicin in vitro using L1210/VCR

cells. In *Neoplasma*, 1998, vol. 45, p. 248-253. (0.385 - IF1997). (1998 - Current Contents). ISSN 0028-2685.

Ohlasy:

[1.1] YOSHIZAWA, Yuta - OGAWARA, Ken-ichi - KIMURA, Toshikiro - HIGAKI, Kazutaka. A novel approach to overcome multidrug resistance: Utilization of P-gp mediated efflux of paclitaxel to attack neighboring vascular endothelial cells in tumors. In *EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES*. ISSN 0928-0987, 2014, vol. 62, no., pp. 274., WOS

ADDA10 BREIER, Albert - ŠTETKA, Ján - BOHÁČOVÁ, Viera - MACEJOVÁ, Dana - BRTKO, Július - SULOVA, Zdena. Effect of 9-cis retinoic acid and all-trans retinoic acid in combination with verapamil on P-glycoprotein expression in L1210 cells. In *Neoplasma*, 2014, vol. 61, no. 5, p. 553-565. (1.642 - IF2013). (2014 - Current Contents). ISSN 0028-2685. APVV-02-90-10, APVV-0160-11, VEGA 2/0008/11, 2/0100/12, 2/0182/13, ITMS 26240220071.

Ohlasy:

[1.2] XUE, Pingping - YANG, Xiaofan - LIU, Yang - XIONG, Chaomei - RUAN, Jinlan. A novel compound RY10-4 downregulates P-glycoprotein expression and reverses multidrug-resistant phenotype in human breast cancer MCF-7/ADR cells. In *Biomedicine and Pharmacotherapy*. ISSN 07533322, 2014-01-01, 68, 8, pp. 1049-1056., SCOPUS

ADDA11 BREIER, Albert - BOHÁČOVÁ, Viera - DOČOLOMANSKÝ, Peter. Inhibition of (Na⁺/K⁺)-ATPase by Cibacron Blue 3G-A and its analogues. In *General physiology and biophysics*, 2006, vol. 25, iss. 4, p. 439-453. (0.560 - IF2005). (2006 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] CELIKBICAK, Omur - SALIH, Bekir - WESEMIOTIS, Chrys. Strong ionic interactions in noncovalent complexes between poly(ethylene imine), a cationic electrolyte, and Cibacron Blue, a nucleotide mimic implications for oligonucleotide vectors. In *JOURNAL OF MASS SPECTROMETRY*. ISSN 1076-5174, 2014, vol. 49, no. 7, pp. 597., WOS

[1.1] CHOURASIA, Mukesh - SASTRY, G. Narahari. The Nucleotide, Inhibitor, and Cation Binding Sites of P-type II ATPases. In *CHEMICAL BIOLOGY & DRUG DESIGN*. ISSN 1747-0277, 2012, vol. 79, no. 5, pp. 617., WOS

[1.1] KUREK, Joanna - BOCZON, Wladyslaw - MYSZKOWSKI, Krzysztof - MURIAS, Marek - BOROWIAK, Teresa - WOLSKA, Irena. Synthesis of Sulfur Containing Colchicine Derivatives and their Biological Evaluation as Cytotoxic Agents. In *LETTERS IN DRUG DESIGN & DISCOVERY*. ISSN 1570-1808, 2014, vol. 11, no. 3, pp. 279., WOS

ADDA12 BREIER, Albert - ŠTEFANKOVÁ, Zuzana - BARANČÍK, Miroslav - TRIBULOVÁ, Narcis. Time dependence of [3H]-vincristine accumulation by L1210 mouse leukemic cells. Effect of P-glycoprotein overexpression. In *General Physiology and Biophysics*, 1994, vol. 13, p. 287-298. (0.567 - IF1993). ISSN 0231-5882.

Ohlasy:

[1.1] PARK, Sunyoung - ANG, Richard R. - DUFFY, Simon P. - BAZOV,

Jenny - CHI, Kim N. - BLACK, Peter C. - MA, Hongshen. Morphological Differences between Circulating Tumor Cells from Prostate Cancer Patients and Cultured Prostate Cancer Cells. In PLOS ONE. ISSN 1932-6203, 2014, vol. 9, no. 1, pp., WOS

- ADDA13 BREIER, Albert - ZIEGELHÖFFER, Attila. "Lysine is the Lord", thought some scientists in regard to the group interacting with fluorescein isothiocyanate in ATP-binding sites of P-type ATPases - But, is it not cysteine? In *General physiology and biophysics*, 2000, vol. 19, issue 3, p. 253-263. (0.400 - IF1999). (2000 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] MI, LX. - DI PASQUA, AJ. - CHUNG, FL. In CARCINOGENESIS, 2011, vol. 32, p. 1405-1413, WOS

[1.2] LIU, Mei - LIU, Limei - GAO, Wenlong - SU, Miaoda - GE, Ya - SHI, Lili - ZHANG, Hui - DONG, Bin - LI, Christopher Y. A micromotor based on polymer single crystals and nanoparticles: Toward functional versatility. In Nanoscale. ISSN 20403364, 2014-08-07, 6, 15, pp. 8601-8605., SCOPUS

- ADDA14 DOČOLOMANSKÝ, Peter - FIALOVÁ, Ivana - BARANČÍK, Miroslav - RYBAR, Alfonz - BREIER, Albert. Prolongation of pentoxifylline aliphatic side chain positively affects the reversal of p-glycoprotein-mediated multidrug resistance in L1210/VCR line cells. In *General physiology and biophysics*, 2005, vol. 24, issue 4, p. 461-466. (0.694 - IF2004). (2005 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] PATANE, Salvatore. Cancer multidrug resistance-targeted therapy in both cancer and cardiovascular system with cardiovascular drugs. In INTERNATIONAL JOURNAL OF CARDIOLOGY. ISSN 0167-5273, 2014, vol. 176, no. 3, pp. 1306., WOS

- ADDA15 DOČOLOMANSKÝ, Peter - BOHÁČOVÁ, Viera - BARANČÍK, Miroslav - BREIER, Albert. Why the xanthine derivatives are used to study of P-glycoprotein-mediated multidrug resistance in L1210/VCR line cells. In *General Physiology and Biophysics*, 2010, vol. 29, iss. 3, p. 215-221. (0.741 - IF2009). (2010 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] PALMEIRA, A. - SOUSA, E. - VASCONCELOS, M. H. - PINTO, M. M. Three Decades of P-gp Inhibitors: Skimming Through Several Generations and Scaffolds. In CURRENT MEDICINAL CHEMISTRY. ISSN 0929-8673, 2012, vol. 19, no. 13, pp. 1946., WOS

- ADDA16 DŘÍMAL, Ján - DŘÍMAL, Ján, Jr. - ORLICKÝ, Jozef - JANEČEK, A. - KETTMANN, Viktor - DŘÍMAL, Daniel - HŮŽAVOVÁ, M. Effects of human peptide endothelin-1 and two of its sterically unrestrained C-terminal fragments on coronary vascular smooth muscle. M. Hůžavová. In *General physiology and biophysics*, 2002, vol. 21, no. 1, p. 3-13. (0.932 - IF2001). (2002 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] ZHANG, Ye - FU, Chunjiang - REN, Hongmei - HE, Duofen - WANG, Xukai - ASICO, Laureano D. - JOSE, Pedro A. - ZENG, Chunyu. Impaired Stimulatory Effect of ETB Receptor on D-3 Receptor in Immortalized Renal

Proximal Tubule Cells of Spontaneously Hypertensive Rats. In KIDNEY & BLOOD PRESSURE RESEARCH. ISSN 1420-4096, 2011, vol. 34, no. 2, pp. 75., WOS

[1.2] AL LAFI, Sawsan M. - ARTINIAN, Shushan B. - BOUTARY, Suzan S. - ZWAINY, Nadine S. - BITAR, Khalil M. - BIKHAZI, Anwar B. Aliskiren, exendin-4, and insulin: Their impact on endothelin receptor subtype(s) regulation/binding in type 1 diabetic rat hearts. In Canadian Journal of Physiology and Pharmacology. ISSN 00084212, 2013-10-28, 91, 10, pp. 830-838., SCOPUS

ADDA17 DURISOVA, V. - VRBANOVÁ, Alena - ZIEGELHOFFER, Attila - BREIER, Albert. Interaction of Cibacron Blue F3G-A and Remazol Brilliant Blue R with the Nucleotide Binding Site of Lactate Dehydrogenase and Na,K-ATPase. In *General physiology and biophysics : international journal*, 5, vol. 9, (1990. ISSN 0231-5882. Ohlasy:

[1.1] FAN, J. - HITOSUI, T. - CHUNG, TW. - XIE, JX. - GE, QZ. - GU, TL. - POLAKIEWICZ, RD. - CHEN, GZ. - BOGGON, TJ. - LONIAL, S. - KHURI, FR. - KANG, SM. - CHEN, J. In MOLECULAR AND CELLULAR BIOLOGY, 2011, vol. 31, p. 4938-4950., WOS

ADDA18 FORMELOVÁ, Jana - HURŇÁK, Ondrej - NOVOTOVÁ, Marta - ZACHAR, Jozef. Ryanodine receptor purified from crayfish skeletal muscle. In *General physiology and biophysics : international journal*, 1990, vol. 5, p. 445-453. ISSN 0231-5882.

Ohlasy:

[1.2] MACKRILL, J.J. Ryanodine receptor calcium release channels: An evolutionary perspective. In *Advances in Experimental Medicine and Biology*, 2012, 740, pp. 159-182., SCOPUS

ADDA19 GEMEINER, P. - HRABAROVA, E. - ZACHAROVA, M. - BENES, M.J. - BREIER, Albert. Partition mechanism of adsorption and absence of displacement phenomena in the zonal analytical chromatography of proteins on bead 2-hydroxy-3-phenoxypropyl-cellulose. In *Collect Czech.Chem.C.*, 1989, vol. 54, p. 2375-2385.

Ohlasy:

[1.1] GERICKE, M. - TRYGG, J. - FARDIM, P. Functional cellulose Beads: Preparation, Characterization and Applications. In *CHEMICAL REVIEWS*. ISSN 0009-2665, 2013, vol. 113, iss. 7, p. 4812-4836., WOS

ADDA20 GIBALOVÁ, Lenka - SEDLÁK, Ján - LABUDOVÁ, Martina - BARANČÍK, Miroslav - REHÁKOVÁ, A - BREIER, Albert - SULOVÁ, Zdena. Multidrug resistant P-glycoprotein positive L1210/VCR cells are also cross-resistant to cisplatin via mechanism distinct with P-glycoprotein drug efflux activity. In *General physiology and biophysics*, 2009, vol. 28, p. 391-403. (0.697 - IF2008). (2009 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] de Souza, PS (de Souza, Paloma Silva)[1,2] ; Vasconcelos, FD (Vasconcelos, Flavia da Cunha)[1,2] ; Silva, LFR (Silva, Luis Felipe R.)[1] ; Maia, RC (Maia, Raquel Ciuvalschi)[1,3] Cyclosporine A enables vincristine-induced apoptosis during reversal of multidrug resistance phenotype

in chronic myeloid leukemia cells TUMOR BIOLOGY Volume: 33 Issue: 4
Pages: 943-956 DOI: 10.1007/s13277-012-0323-5 Published: AUG 2012,
WOS

[2.1] Jurecekova, J (Jurecekova, Jana)1; Hatok, J (Hatok, Jozef)1;
Stefanikova, A (Stefanikova, Andrea)1; Dobrota, D (Dobrota, Dusan)1; Racay, P
(Racay, Peter)1 Targeting of Bcl-2 family proteins for treatment of acute
leukaemia GENERAL PHYSIOLOGY AND BIOPHYSICS Volume: 30
Special Issue: SI Pages: S3-S12 DOI: 10.4149/gpb_2011_SII_3
Published: 2011, WOS

[2.1] Orsolic, Nada; Car, Nikola Quercetin and hyperthermia modulate
cisplatin-induced DNA damage in tumor and normal tissues in vivo TUMOR
BIOLOGY Volume: 35 Issue: 7 Pages: 6445-6454 Published: JUL 2014,
WOS

ADDA21 GRMAN, Marián - MIŠÁK, Anton - ČAČÁNYIOVÁ, Soňa - KRISTEK,
František - TOMÁŠKOVÁ, Zuzana - BERTO VÁ, Anna - ONDRI AŠ, Karol. The
aqueous garlic, onion and leek extracts release nitric oxide from S-nitrosoglutathione
and prolong relaxation of aortic rings. In *General Physiology and Biophysics*, 2011,
vol. 30, p. 396-402. (1.146 - IF2010). (2011 - Current Contents). ISSN 0231-5882.
VEGA 2/0150/10, 2/0111/11 and 2/0019/11.

Ohlasy:

[1.1] KHATUA, T.N. - ADELA, R. - BANERJEE, S.K. Garlic and
cardioprotection: insights into the molecular mechanisms. In CANADIAN
JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY. ISSN 0008-4212,
JUN 2013, vol. 91, no. 6, p. 448-458., WOS

[1.1] LAU, K.K. - CHAN, Y.H. - WONG, Y.K. - TEO, K.C. - YIU, K.H. -
LIU, S. - LI, L. S.W. - SHU, X.O. - HO, S.L. - CHAN, K. H. - SIU, C.W. - TSE,
H.F. Garlic intake is an independent predictor of endothelial function in patients
with ischemic stroke. In JOURNAL OF NUTRITION HEALTH & AGING.
ISSN 1279-7707, 2013, vol. 17, no. 7, pp. 600., WOS

[1.2] CHARLES, Denys J. Antioxidant properties of spices, herbs and other
sources. In Antioxidant Properties of Spices, Herbs and Other Sources,
2013-08-01, pp. 1-610., SCOPUS

[1.2] WEXLER, Philip. History of Toxicology and Environmental Health:
Toxicology in Antiquity Volume I. In History of Toxicology and Environmental
Health: Toxicology in Antiquity Volume I, 2014-05-27, pp. 1-137., SCOPUS

ADDA22 HAGAROVA, D. - BREIER, Albert. Distribution of proteins in aqueous
two-phase systems formed by dextran and polyethylene glycol. Influence of protein
hydrophobicity. In *General physiology and biophysics : international journal*, 1995,
vol. 14, iss. 4, p. 277-291. (1995 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] ANTONOV, Yuri - WOLF, Bernhard A. Joint Aqueous Solutions of
Dextran and Bovine Serum Albumin: Coexistence of Three Liquid Phases. In
LANGMUIR. ISSN 0743-7463, 2014, vol. 30, no. 22, pp. 6508., WOS

[3.1] Daftary, AD - Upadhya, A. In Int. J. Engg. Res. & Sci. & Tech. 3
(2014) 38 - 45

ADDA23 HUDEC OVÁ, Soňa - TILLINGER, Andrej - MRAVEC, Boris -
KVETŇANSKÝ, Richard - KRIŽANOVÁ, Oľga. Effect of 6-hydroxydopamine on

the gene expression of Na⁺/Ca²⁺ exchanger in the rat heart. In *General physiology and biophysics*, 2004, vol. 23, no. 3, p. 307-313. (0.794 - IF2003). (2004 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] BALI, Anjana - GUPTA, Sakshi - SINGH, Nirmal - JAGGI, Amteshwar Singh. 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, pp. 229., WOS

ADDA24 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:

[1.2] Nugent, K.a, Garner, J.a, George, R.a, Waugh, J.a, Unlap, M.T. The Na⁺/Ca²⁺-exchanger: A possible link between oxidative stress and endogenous ouabain in hypertension The Na⁺/Ca²⁺-exchanger: A possible link between oxidative stress and endogenous ouabain in hypertension The Na⁺/Ca²⁺-exchanger: A possible link between oxidative stress and endogenous ouabain in hypertension Journal of Pediatric Biochemistry Volume 4, Issue 3, 2014, Pages 127-137, SCOPUS

[2.1] Fragiadaki, M (Fragiadaki, Maria)[1] ; Hill, N (Hill, Nicola)[1] ; Hewitt, R (Hewitt, Reiko)[1] ; Bou-Gharios, G (Bou-Gharios, George)[1,2] ; Cook, T (Cook, Terence)[1] ; Tam, FW (Tam, Frederick W.)([1] ; Domin, J (Domin, Jan)[1,3] ; Mason, RM (Mason, Roger M.)([1] Hyperglycemia Causes Renal Cell Damage via CCN2-Induced Activation of the TrkA Receptor: Implications for Diabetic Nephropathy DIABETES Volume: 61 Issue: 9 Pages: 2280-2288 DOI: 10.2337/db11-1138 Published: SEP 2012, WOS

[2.1] 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

[2.1] 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

ADDA25 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. APVV 51-0045-11, VEGA 2/0095/13, CEMAN, ITMS 26240220071.

Ohlasy:

[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

- ADDA26 JUHÁSZOVÁ, Magdaléna - RUŠČÁK, Michal. NA⁺-CA²⁺ EXCHANGE IN THE RAT-BRAIN DURING ONTOGENY. In *General Physiology and Biophysics*, 1991, vol. 10, no. 3, p. 281-286. ISSN 0231-5882.

Ohlasy:

[1.1] MARESOVA, Dana - KOZLER, Petr - POKORNY, Jaroslav. Neuronal excitability after water intoxication in young rats. In *NEUROENDOCRINOLOGY LETTERS*. ISSN 0172-780X, 2014, vol. 35, no. 4, pp. 274., WOS

- ADDA27 JURKOVIČOVÁ, Dana - SEDLÁKOVÁ, Barbora - RIEČANSKÝ, I. - GONCALVESOVA, E. - PENESOVÁ, Adela - KVETŇANSKÝ, Richard - KRIŽANOVÁ, Oľga. Cardiovascular diseases and molecular variants of the renin-angiotensin system components in Slovak population. In *General physiology and biophysics*, 2007, vol. 26, iss. 1, p. 27-32. (0.771 - IF2006). (2007 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] Abd El-Aziz, Tarek A.; Hussein, Yousri M.; Mohamed, Randa H.; et al. Renin-angiotensin system genes polymorphism in Egyptians with premature coronary artery disease. *GENE*, 498(2): 270-275, 2012, WOS

[1.1] AL-NAJAI, Mohammed - MUIYA, Paul - TAHIR, Asma I. - ELHAWARI, Samar - GUECO, Daisy - ANDRES, Editha - MAZHAR, Nejat - ALTASSAN, Nada - ALSHAHID, Maie - DZIMIRI, Nduna. Association of the angiotensinogen gene polymorphism with atherosclerosis and its risk traits in the Saudi population. In *BMC CARDIOVASCULAR DISORDERS*. ISSN 1471-2261, 2013, vol. 13., WOS

[1.1] BERNATOVA, Iveta. Endothelial Dysfunction in Experimental Models of Arterial Hypertension: Cause or Consequence? In *BIOMED RESEARCH INTERNATIONAL*. ISSN 2314-6133, 2014., WOS

[1.2] GRIGOR'EVNA, Derevyanchuk Ekaterina - TRANG, Nguyen Thi - MIHAILOVNA, Neskubina Olga - PAVLOVNA, Shkurat Tatiana. Association of angiotensinogen gene M235T and T174M polymorphisms with coronary heart disease in Rostov population. In *Online Journal of Health and Allied Sciences*, 2014, vol. 13, no. 4, pp. 4-., SCOPUS

- ADDA28 KAISEROVÁ, Kristina - LAKATOŠ, B. - PETERAJOVÁ, E. - ORLICKÝ, Jozef - VAREČKA, Ľudovít. Investigation of properties of the Ca²⁺ influx and of the Ca²⁺-activated K⁺ efflux (Gardos effect) in vanadate-treated and ATP-Depleted human red blood cells. In *General Physiology and Biophysics*, 2002, vol. 21, iss. 4, p. 429-442. (0.932 - IF2001). (2002 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] MURAVYOV, Alexei - TIKHOMIROVA, Irina. Signaling pathways regulating red blood cell aggregation. In *BIORHEOLOGY*. ISSN 0006-355X, 2014, vol. 51, no. 2-3, pp. 135., WOS

[1.1] MURAVYOV, Alexei - TIKHOMIROVA, Irina - ISLAM, MS. Role

Ca²⁺ in Mechanisms of the Red Blood Cells Microrheological Changes. In
CALCIUM SIGNALING. ISSN 0065-2598, 2012, vol. 740, no., pp. 1017., WOS

ADDA29 KÍŠUCKÁ, Janka - BARANČÍK, Miroslav - BOHÁČOVÁ, Viera - BREIER, Albert. Reversal effect of specific inhibitors of extracellular-signal regulated protein kinase pathway on P-glycoprotein mediated vincristine resistance of L1210 cells. In *General physiology and biophysics*, 2001, vol.20, iss. 4, p. 439-444. (0.417 - IF2000). (2001 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] HUANG, Can - XU, Dujuan - XIA, Quan - WANG, Peipei - RONG, Chao - SU, Yong. Reversal of P-glycoprotein-mediated multidrug resistance of human hepatic cancer cells by Astragaloside II. In JOURNAL OF PHARMACY AND PHARMACOLOGY. ISSN 0022-3573, 2012, vol. 64, no. 12, pp. 1741., WOS

[1.1] CHEN, Siyuan - WANG, Yali - RUAN, Wenwen - WANG, Xiaomin - PAN, Chao. Reversing multidrug resistance in hepatocellular carcinoma cells by inhibiting extracellular signal-regulated kinase/mitogen-activated protein kinase signaling pathway activity. In ONCOLOGY LETTERS. ISSN 1792-1074, 2014, vol. 8, no. 5, pp. 2333., WOS

[1.1] MARALDI, T. - BERTACCHINI, J. - BENINCASA, M. - GUIDA, M. - DE POL, A. - LIOTTA, L.A. - PETRICON, E. - COCCO, L. - MARMIROLI, S. Reverse-phase protein microarrays (RPPA) as a diagnostic and therapeutic guide in multidrug resistant leukemia. In INTERNATIONAL JOURNAL OF ONCOLOGY. ISSN 1019-6439, FEB 2011, vol. 38, no. 2, p. 427-435., WOS

[1.1] SUI, H. - FAN, Z-Z - LI, Q. Signal Transduction Pathways and Transcriptional Mechanisms of ABCB1/Pgp-mediated Multiple Drug Resistance in Human Cancer Cells. In JOURNAL OF INTERNATIONAL MEDICAL RESEARCH. ISSN 0300-0605, 2012, vol. 40, no. 2, pp. 426., WOS

[1.1] WANG, Yunshan - MA, Guangxin - WANG, Qin - WEN, Mingxin - XU, Yangyang - HE, Xiuquan - ZHANG, Pengju - WANG, Yuli - YANG, Taomei - ZHAN, Panpan - WEI, Guangwei. Involvement of CUL4A in Regulation of Multidrug Resistance to P-gp Substrate Drugs in Breast Cancer Cells. In MOLECULES. ISSN 1420-3049, 2014, vol. 19, no. 1, pp. 159., WOS

ADDA30 KOLESÁR, P. - MINÁRIK, G. - BALDOVIC, M. - FICEK, Andrej - KOVACS, L. - KÁDAŠI, Ľudovít. Mutation analysis of the CFTR gene in Slovak cystic fibrosis patients by DHPLC and subsequent sequencing: identification of four novel mutations. In *General physiology and biophysics : an international journal*, 2008, vol. 27, no. 4, p. 299-305. (1.286 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 0231-5882.

Ohlasy:

[1.2] IVADY, G. - MADAR, L. - NAGY, B. - GONCZI, F. - AJZNER, E. - DZSUDZSAK, E. - DVOŘÁKOVÁ, L. - GOMBOS, E. - KAPPELMAYER, J. - MACEK, M. - BALOGH, I. Distribution of CFTR mutations in Eastern Hungarians: Relevance to genetic testing and to the introduction of newborn screening for cystic fibrosis. In Journal of Cystic Fibrosis, 2011, vol.10, no.3, 217-220., SCOPUS

ADDA31 KRIŽANOVÁ, Oľga - KVETŇANSKÝ, Richard - JURKOVIČOVÁ, Dana. Effect of two distinct stressors on gene expression of the type 1 IP₃ receptors. In

General physiology and biophysics : an international journal, 2005, vol. 24, iss. 2, p. 237-246. (0.694 - IF2004). (2005 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] COSTA, V. M. - CARVALHO, F. - BASTOS, M. L. - CARVALHO, R. A. - CARVALHO, M. - REMIAO, F. Contribution of Catecholamine Reactive Intermediates and Oxidative Stress to the Pathologic Features of Heart Diseases.

In *CURRENT MEDICINAL CHEMISTRY*, 2011, vol.18, no.15, 2272., WOS

[1.1] JAGGI, Amteshwar Singh - BHATIA, Nitish - KUMAR, Naresh - SINGH, Nirmal - ANAND, Preet - DHAWAN, Ravi. A review on animal models for screening potential anti-stress agents. In *NEUROLOGICAL SCIENCES*, 2011, vol.32, no.6, 993., WOS

ADDA32 KRIŽANOVÁ, Ol'ga - ČIAMPOR, Fedor - VEBER, Pavol. Influence of chlorpromazine on the replication of influenza virus in chick embryo cells. In *Acta Virologica : international journal*, 1982, vol. 26, no. 4, p. 209-216. (0.596 - IF1981). (1982 - Current Contents). ISSN 0001-723X.

Ohlasy:

[2.2] Dyall, J.a, Coleman, C.M.b, Hart, B.J.a, Venkataraman, T.b, Holbrook, M.R.a, Kindrachuk, J.a, Johnson, R.F.c, Olinger Jr., G.G.a, Jahrling, P.B.ac, Laidlaw, M.d, Johansen, L.M.d, Lear-Rooney, C.M.e, Glass, P.J.e, Hensley, L.E.a, Frieman, M.B.b Repurposing of clinically developed drugs for treatment of Middle East respiratory syndrome coronavirus infection Antimicrobial Agents and Chemotherapy Volume 58, Issue 8, August 2014, Pages 4885-4893, SCOPUS

ADDA33 KRIŽANOVÁ, Ol'ga - ONDRIÁŠ, Karol. The inositol 1,4,5-trisphosphate receptor - Transcriptional regulation and modulation by phosphorylation. In *General physiology and biophysics*, 2003, vol. 22, issue 3, p. 295-311. (0.719 - IF2002). (2003 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] ALZAYADY, Kamil J. - WAGNER, Larry E. - CHANDRASEKHAR, Rahul - MONTEAGUDO, Alina - GODISKA, Ronald - TALL, Gregory G. - JOSEPH, Suresh K. - YULE, David I. Functional Inositol 1,4,5-Trisphosphate Receptors Assembled from Concatenated Homo- and Heteromeric Subunits. In *JOURNAL OF BIOLOGICAL CHEMISTRY*. ISSN 0021-9258, 2013, vol. 288, no. 41, pp. 29772., WOS

[1.1] NORDMAN, Jacob C. - KABBANI, Nadine. Microtubule dynamics at the growth cone are mediated by alpha 7 nicotinic receptor activation of a G alpha q and IP3 receptor pathway. In *FASEB JOURNAL*. ISSN 0892-6638, 2014, vol. 28, no. 7, pp. 2995., WOS

[1.1] SENGUPTA, Sudeshna - KIRUTHIGA, S. - CHANDRA, T. S. Antagonistic effect of myo-inositol on riboflavin production in two riboflavinogenic fungi *Ashbya gossypii* and *Eremothecium ashbyi*. In *MYCOSCIENCE*. ISSN 1340-3540, 2013, vol. 54, no. 6, pp. 429., WOS

[1.1] ZHANG, Songbai - FRITZ, Nicolas - IBARRA, Cristian - UHLEN, Per. Inositol 1,4,5-Trisphosphate Receptor Subtype-Specific Regulation of Calcium Oscillations. In *NEUROCHEMICAL RESEARCH*, 2011, vol.36, no.7, 1175., WOS

ADDA34 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. VEGA 2/0074/13, APVV-0045-11, ITMS 26240220071.

Ohlasy:

[1.1] TRETYAKOVA, Elena V. - SMIRNOVA, Irina E. - KAZAKOVA, Oxana B. - TOLSTIKOV, Genrikh A. - YAVORSKAYA, Nadejda P. - GOLUBEVA, Irina S. - PUGACHEVA, Rujena B. - APRYSHKO, Galina N. - POROIKOV, Vladimir V. Synthesis and anticancer activity of quinopimaric and maleopimaric acids' derivatives. In *BIOORGANIC & MEDICINAL CHEMISTRY*. ISSN 0968-0896, 2014, vol. 22, no. 22, pp. 6481., WOS

[1.1] YANG, Chuang - FU, Zhong-Xue. PEG-liposomal oxaliplatin combined with nuclear factor-kappa B inhibitor (PDTC) induces apoptosis in human colorectal cancer cells. In *ONCOLOGY REPORTS*. ISSN 1021-335X, 2014, vol. 32, no. 4, pp. 1617., WOS

ADDA35 KUBALOVÁ, Zuzana. Inactivation of L-type calcium channels in cardiomyocytes. Experimental and theoretical approaches. In *General physiology and biophysics*, 2003, vol. 22, p. 441-454. (0.719 - IF2002). (2003 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] LU, Yen-Yu - CHUNG, Fa-Po - CHEN, Yao-Chang - TSAI, Chin-Feng - KAO, Yu-Hsun - CHAO, Tze-Fan - HUANG, Jen-Hung - CHEN, Shih-Ann - CHEN, Yi-Jen. Distinctive electrophysiological characteristics of right ventricular out-flow tract cardiomyocytes. In *JOURNAL OF CELLULAR AND MOLECULAR MEDICINE*. ISSN 1582-4934, 2014, vol. 18, no. 8, pp. 1540., WOS

[1.2] ABTAHI, S.R. - SADRAEI, H. - NEMATOLLAHI, M. - KARBALAIE, K. - KARAMALI, F. - SALAMIAN, A. - BAHARVAND, H. - NASR-ESFAHANI, M.H. Functional expression of potassium channels in cardiomyocytes derived from embryonic stem cells. In *Research in Pharmaceutical Sciences*, 2012, 7, 1, pp. 1-11., SCOPUS

[1.2] KO, M.L. - SHI, L. - TSAI, J.-Y. - YOUNG, M.E. - NEUENDORFF, N. - EARNEST, D.J. - KO, G.Y.-P. Cardiac-specific mutation of clock alters the quantitative measurements of physical activities without changing behavioral circadian rhythms. In *Journal of Biological Rhythms*, 2011, vol.26, no.5, 412-422., SCOPUS

ADDA36 KVAČKAJOVÁ, Jana - BARANČÍK, Miroslav - BREIER, Albert. Drug transporters and their role in multidrug resistance of neoplastic cells. In *General physiology and biophysics*, 2001, vol. 20, p. 215-237. (0.417 - IF2000). (2001 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] LEE, Sun-Mi - KIM, Hyung Joon - KIM, Sook Young - KWON, Min-Kyung - KIM, Sol - CHO, Arthur - YUN, Mijin - SHIN, Jeon-Soo - YOO, Kyung-Hwa. Drug-loaded gold plasmonic nanoparticles for treatment of multidrug resistance in cancer. In *BIOMATERIALS*. ISSN 0142-9612, 2014, vol. 35, no. 7, pp. 2272., WOS

[1.1] MA, Hongye - MIAO, Xiaoyan - MA, Qiuhong - ZHENG, Wenzhi -

ZHOU, Huimin - JIA, Li. Functional roles of glycogene and N-glycan in multidrug resistance of human breast cancer cells. In IUBMB LIFE. ISSN 1521-6543, 2013, vol. 65, no. 5, pp. 409., WOS

[1.1] ZHANG, Zhaohai - ZHAO, Yongfu - JIANG, Lili - MIAO, Xiaoyan - ZHOU, Huimin - JIA, Li. Glycomic alterations are associated with multidrug resistance in human leukemia. In INTERNATIONAL JOURNAL OF BIOCHEMISTRY & CELL BIOLOGY. ISSN 1357-2725, 2012, vol. 44, no. 8, pp. 1244., WOS

ADDA37 LACINOVA, Ľubica - KLUGBAUER, N. - HOFMANN, F. Low voltage activated calcium channels: from genes to function. In *General physiology and biophysics*, 2000, vol. 19, issue 2, p. 121-136. (0.400 - IF1999). (2000 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] BAO, Jianxin - HUNGERFORD, Michelle - LUXMORE, Randi - DING, Dalian - QIU, Ziyu - LEI, Debin - YANG, Aizhen - LIANG, Ruqiang - OHLEMILLER, Kevin K. Prophylactic and therapeutic functions of drug combinations against noise-induced hearing loss. In HEARING RESEARCH. ISSN 0378-5955, 2013, vol. 304, no., pp. 33., WOS

[1.1] KIMM, Tilia - BEAN, Bruce P. Inhibition of A-Type Potassium Current by the Peptide Toxin SNX-482. In JOURNAL OF NEUROSCIENCE. ISSN 0270-6474, 2014, vol. 34, no. 28, pp. 9182., WOS

[1.1] VANDAEL, D. H. F. - MAHAPATRA, S. - CALORIO, C. - MARCANTONI, A. - CARBONE, E. Cav1.3 and Cav1.2 channels of adrenal chromaffin cells: Emerging views on cAMP/cGMP-mediated phosphorylation and role in pacemaking. In BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES. ISSN 0005-2736, 2013, vol. 1828, no. 7, pp. 1608., WOS

ADDA38 LACINOVA, Ľubica. T-type calcium channel blockers-new and notable. In *General Physiology and Biophysics*, 2011, vol. 30, p. 403-409. (1.146 - IF2010). (2011 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] BLADEN, Chris - GUNDUZ, Miyase Gozde - SIMSEK, Rahime - SAFAK, Cihat - ZAMPONI, Gerald W. Synthesis and Evaluation of 1,4-Dihydropyridine Derivatives with Calcium Channel Blocking Activity. In PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY. ISSN 0031-6768, 2014, vol. 466, no. 7, pp. 1355., WOS

[1.1] SHUBA, Yaroslav M. Models of calcium permeation through T-type channels. In PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY. ISSN 0031-6768, 2014, vol. 466, no. 4, pp. 635., WOS

[1.1] ZHANG, De-Yong - SHEN, Xiu-Ying - RUAN, Qin - XU, Xiao-Lu - YANG, San-Ping - LU, Yin - XU, Hui-Ying - HAO, Fei-Lin. Effects of subchronic samarium exposure on the histopathological structure and apoptosis regulation in mouse testis. In ENVIRONMENTAL TOXICOLOGY AND PHARMACOLOGY. ISSN 1382-6689, 2014, vol. 37, no. 2, pp. 505., WOS

[1.2] DAVIDSON, Todd - KE, Qindong - COSTA, Max. Selected Molecular Mechanisms of Metal Toxicity and Carcinogenicity. In Handbook on the Toxicology of Metals: Fourth Edition, 2014-10-28, 1, pp. 173-196., SCOPUS

[1.2] ROSE, Robert A. - BACKX, Peter H. Calcium Channels in the Heart.

In Cardiac Electrophysiology: From Cell to Bedside: Sixth Edition, 2013-01-01, pp. 13-22., SCOPUS

ADDA39 LACINOVÁ, Ľubica. Voltage-dependent calcium channels. In *General physiology and biophysics*, 2005, vol. 24, suppl., p. 1-82. (0.694 - IF2004). (2005 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] ABD EL-RAHMAN, R.R. - HARRAZ, O.F. - BRETT, S. E. - ANFINOGENOVA, Y. - MUFTI, R.E. - GOLDMAN, D. - WELSCH, D.G. Identification of L- and T-type Ca²⁺ channels in rat cerebral arteries: role in myogenic tone development. In AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY. 2013, vol. 304,iss. 1, p. H58-H71., WOS

[1.1] ALNAWASEH, M. - ALBANNA, W. - CHEN, C.C. - CAMPBELL, K.P. - HESCHELER, J. - LUKE, M. - SCHNEIDER, T. Two separate Ni²⁺-sensitive voltage-gated Ca²⁺ channels modulate transretinal signalling in the isolated murine retina. In ACTA OPHTHALMOLOGICA. ISSN 1755-375X, NOV 2011, vol. 89, no. 7, p. E579-E590., WOS

[1.1] BALL, S.L. - MCENERY, M.W. - YUNKER, A.M.R. - SHIN, H.S. - GREGG, R.G. Distribution of voltage gated calcium channel beta subunits in the mouse retina. In BRAIN RESEARCH. ISSN 0006-8993, SEP 15 2011, vol. 1412, p. 1-8., WOS

[1.1] Calderon-Rivera A., Andrade A., Hernandez-Hernandez O., Gonzalez-Ramirez R., Sandoval A., Rivera M., Carlos Gomora J., Felix R. Identification of a disulfide bridge essential for structure and function of the voltage-gated Ca²⁺ channel alpha(2)delta-1 auxiliary subunit. In Cell Calcium, 2012, vol. 51, p. 22-30, WOS

[1.1] Calvo, D., Jesus Vazquez, M., Ashby, C. and Manuel Dominguez, J. Kinetic Considerations on the Development of Binding Assays in Single-Addition Mode: Application to the Search for alpha 2 delta 1 Modulators. In Journal of Biomolecular Screening, Sep 2012, vol. 17, no. 8, p. 1041-1049., WOS

[1.1] COX, D.H. Ca²⁺-regulated ion channels. In BMB REPORTS. ISSN 1976-6696, OCT 31 2011, vol. 44, no. 10, p. 635-646., WOS

[1.1] DAOU, A. - ROSS, M.T. - JOHNSON, F. - HYSON, R. L. - BERTRAM, R. Electrophysiological characterization and computational models of HVC neurons in the zebra finch. In JOURNAL OF NEUROPHYSIOLOGY. 2013, vol. 110, iss. 5, p. 1227-1245, WOS

[1.1] ESTACION, M. - HAN, C.Y. - CHOI, J.S. - HOEIJMAKERS, J.G.J. - LAURIA, G. - DRENTH, J.P.H. - GERRITS, M.M. - DIB-HAJJ, S.D. - FABER, C.G. - MERKIES, I.S.J. - WAXMAN, S.G. Intra- and interfamily phenotypic diversity in pain syndromes associated with a gain-of-function variant of Na(V)1.7. In MOLECULAR PAIN. ISSN 1744-8069, DEC 2 2011, vol. 7., WOS

[1.1] FANCHAOUY, M. - CUBANO, L. - MALDONADO, H. - BYCHKOV, R. PKC independent inhibition of voltage gated calcium channels by volatile anesthetics in freshly isolated vascular myocytes from the aorta. In CELL CALCIUM, 2013, vol. 54, iss. 4, p. 257-265, WOS

[1.1] FENG, D.F. - WANG, C. Y. - WANG, H. - WANG, J. - ZHANG, M. M. - JIAO, X. H. bFGF-induced human periodontal ligament fibroblasts proliferation through T-type voltage-dependent calcium channels. In ACTA

- ODONTOLOGICA SCANDINAVICA. 2013 vol. 71, iss. 1 p. 9-14, WOS
- [1.1] GALETIN, T. -TEVOUFOUET, E.E. - SANDMEYER, J. - MATTHES, J. - NGUEMO, F. - HESCHELER, J. - WEIERGRAEBER, M. - SCHENIDER, T. Pharmacoresistant Ca(v)₂ center dot 3 (E-type/R-type) voltage-gated calcium channels influence heart rate dynamics and may contribute to cardiac impulse conduction. In CELL BIOCHEMISTRY AND FUNCTION. 2013 vol. 31, iss. 4, p. 434-449, WOS
- [1.1] GALLO, A. - RUSSO, G.L. - TOSTI, E. T-Type Ca²⁺Current Activity during Oocyte Growth and Maturation in the Ascidian *Styela plicata*. In PLOS ONE. 2013, vol. 8, iss.1, WOS
- [1.1] Gandini, M. A. and Felix, R. Functional interactions between voltage-gated Ca²⁺ channels and Rab3-interacting molecules (RIMs): New insights into stimulus-secretion coupling. In Biochimica Et Biophysica Acta-Biomembranes, Mar 2012, vol. 1818, no. 3, p. 551-558, WOS
- [1.1] Hara, M., Tabata, K., Suzuki, T., Do, M.-K. Q., Mizunoya, W., Nakamura, M., Nishimura, S., Tabata, S., Ikeuchi, Y., Sunagawa, K., Anderson, J. E., Allen, R. E. and Tatsumi, R. Calcium influx through a possible coupling of cation channels impacts skeletal muscle satellite cell activation in response to mechanical stretch. In American Journal of Physiology-Cell Physiology, Jun 2012, vol. 302, no. 12, p. C1741-C1750., WOS
- [1.1] Hasreiter, J - Goldnagl, L - Boehm, S - Kubista, H. Ca(v)_{1.2} and Ca(v)_{1.3} L-type calcium channels operate in a similar voltage range but show different coupling to Ca²⁺-dependent conductances in hippocampal neurons. In American Journal of Physiology-Cell Physiology. 2014, vol. 306, no. 12, pp. C1200-C1213, WOS
- [1.1] Chen, C.-C., Shen, J.-W., Chung, N.-C., Min, M.-Y., Cheng, S.-J. and Liu, I. Y. Retrieval of Context-Associated Memory is Dependent on the Ca(v)_{3.2} T-Type Calcium Channel. In PLoS One, Jan 3 2012, vol. 7, no. 1, WOS
- [1.1] Chevalier, M - Gilbert, G - Roux, E - Lory, P - Marthan, R - Savineau, J-P - Quignard, J-F. T-type calcium channels are involved in hypoxic pulmonary hypertension. In Cardiovascular Research. 2014, vol. 103, no. 4, pp. 597-606, WOS
- [1.1] Jurkovicova-Tarabova, B., Griesemer, D., Pirone, A., Sinnegger-Brauns, M. J., Striessnig, J. and Friauf, E. Repertoire of high voltage-activated Ca²⁺ channels in the lateral superior olive: functional analysis in wild-type, Ca(v)_{1.3}(-/-), and Ca(v)_{1.2}DHP(-/-) mice. In Journal of Neurophysiology, Jul 2012, vol. 108, no. 2, p. 365-379, WOS
- [1.1] Kanyshkova, T - Ehling, P - Cerina, M - Meuth, P - Zobeiri, M - Meuth, SG - Pape, H-C - Budde T. Regionally specific expression of high-voltage-activated calcium channels in thalamic nuclei of epileptic and non-epileptic rats. In Molecular and Cellular Neuroscience. 2014, vol. 61, pp. 110-122, WOS
- [1.1] Kimura-Kuroda, J., Komuta, Y., Kuroda, Y., Hayashi, M. and Kawano, H. Nicotine-Like Effects of the Neonicotinoid Insecticides Acetamiprid and Imidacloprid on Cerebellar Neurons from Neonatal Rats. In PLoS One, Feb 29 2012, vol. 7, no. 2, WOS
- [1.1] Kopecky, BJ - Liang, R - Bao, J. T-type calcium channel blockers as neuroprotective agents. In Pflugers Archiv-European Journal of Physiology. 2014, vol. 466, no. 4, pp. 757-765, WOS
- [1.1] Kuryshv, YA - Brown, AM - Duzic, E - Kirsch, GE. Evaluating State

Dependence and Subtype Selectivity of Calcium Channel Modulators in Automated Electrophysiology Assays. In *Assay and Drug Development Technologies*. 2014, vol. 12, no. 2, pp. 110-119, WOS

[1.1] Lee, S - Roizes, S - von der Weid, P-Y. Distinct roles of L- and T-type voltage-dependent Ca^{2+} channels in regulation of lymphatic vessel contractile activity. In *Journal of Physiology-London*. 2014, vol. 592, no. 24, pp. 5409-5427, WOS

[1.1] Michiels, CF - Van Hove, CE - Martinet, W - De Meyer, GRY - Fransen, P. L-type Ca^{2+} channel blockers inhibit the window contraction of mouse aorta segments with high affinity. In *European Journal of Pharmacology*. 2014, vol. 738, pp. 170-178., WOS

[1.1] Mugnai, P - Durante, M - Sgaragli, G - Saponara, S - Paliuri, G - Bova, S - Fusi, F. L-type Ca^{2+} channel current characteristics are preserved in rat tail artery myocytes after one-day storage. In *Acta Physiologica*. 2014, vol. 211, no. 2, pp. 334-345, WOS

[1.1] NOH, A.L.S.M. - PARK, H. - ZHENG, T. - HA, H.I. - YIM, M. L-type Ca^{2+} channel agonist inhibits RANKL-induced osteoclast formation via NFATc1 down-regulation. In *LIFE SCIENCES*. ISSN 0024-3205, AUG 1 2011, vol. 89, no. 5-6, p. 159-164., WOS

[1.1] Qi, J - Wang, Y - Liu, Y - Zhang, F - Guan, B - Zhang, H. Development and validation of HTS assay for screening the calcium-activated chloride channel modulators in TMEM16A stably expressed CHO cells. In *Analytical and Bioanalytical Chemistry*. 2014, vol. 406, no. 6, pp. 1713-1721, WOS

[1.1] Reichhart, N - Strauss O. Ion channels and transporters of the retinal pigment epithelium. In *Experimental Eye Research*. 2014, vol. 126, pp. 27-37, WOS

[1.1] SOUSA, S.R. - VETTER, I. - RAGNARSSON, L. - LEWIS, R.J. Expression and Pharmacology of Endogenous Ca_v Channels in SH-SY5Y Human Neuroblastoma Cells. In *PLOS ONE*. 2013, vol. 8, iss.3, WOS

[1.1] TAI, C.H. - YANG, Y.C. - PAN, M.K. - HUANG, C.S. - KUO, C.C. Modulation of subthalamic T-type Ca^{2+} channels remedies locomotor deficits in a rat model of Parkinson disease. In *JOURNAL OF CLINICAL INVESTIGATION*. ISSN 0021-9738, AUG 2011, vol. 121, no. 8, p. 3289-3305., WOS

[1.1] Tuckwell, H. C. Quantitative aspects of L-type Ca^{2+} currents. In *Progress in Neurobiology*, Jan 2012, vol. 96, no. 1, p. 1-31, WOS

[1.1] Verrotti, A - Scaparrotta, A - Cofini, M - Chiarelli, F - Tiboni, GM. Developmental neurotoxicity and anticonvulsant drugs: A possible link. In *Reproductive Toxicology*. 2014, vol. 48, pp. 72-80, WOS

[1.1] Wu, CYC - Lee, RHC - Chen, PY - Tsai, APY - Chen, MF - Kuo, JS - Lee, TJF. L-type calcium channels in sympathetic alpha 3 beta 2-nAChR-mediated cerebral nitrergic neurogenic vasodilation. In *Acta Physiologica*. 2014, vol. 211, pp. 544-558, WOS

[1.1] ZHAO, J. - ZHOU, C. L. - XIA, Z.Y. - WANG, L. Effects of Dexmedetomidine on L-Type Calcium Current in Rat Ventricular Myocytes. In *ACTA CARDIOLOGICA SINICA*. 2013, vol. 29, iss2, p. 175-182, WOS

[1.1] ZUCCOTTI, A. - CLEMENTI, S. - REINBOTHE, T. - TORRENTE, A. - VANDAEL, D.H. - PIRONE, A. Structural and functional differences between L-type calcium channels: crucial issues for future selective targeting. In *TRENDS IN PHARMACOLOGICAL SCIENCES*. ISSN 0165-6147, JUN 2011,

vol. 32, no. 6, p. 366-375., WOS

[1.2] ATTILI, Seetharamaiah - HUGHES, Simon M. Anaesthetic tricaine acts preferentially on neural voltage-gated sodium channels and fails to block directly evoked muscle contraction. In PLoS ONE, 2014-08-04, 9, 8, pp., SCOPUS

[1.2] Hong, D. H., Yang, D., Choi, I. W., Son, Y. K., Jung, W. K., Kim, D. J., Han, J., Na, S. H. and Park, W. S. The T-type Ca^{2+} Channel Inhibitor Mibefradil Inhibits Voltage-Dependent K^{+} Channels in Rabbit Coronary Arterial Smooth Muscle Cells. In Journal of Pharmacological Sciences, Nov 2012, vol. 120 no. 3, p. 196-205, SCOPUS

[1.2] RANKOVIC, Vladan - LANDGRAF, Peter - KANYSHKOVA, Tatyana - EHLING, Petra - MEUTH, Sven G. - KREUTZ, Michael R. - BUDDE, Thomas - MUNSCH, Thomas. Modulation of calcium-dependent inactivation of L-type Ca^{2+} channels via β -adrenergic signaling in thalamocortical relay neurons. In PLoS ONE, 2011-12-02, 6, 12, pp., SCOPUS

[1.2] SAE MI NOH, A. Long - PARK, Hyojung - ZHENG, Ting - HA, Hyun Il - YIM, Mijung. L-type Ca^{2+} channel agonist inhibits RANKL-induced osteoclast formation via NFATc1 down-regulation. In Life Sciences. ISSN 00243205, 2011-08-01, 89, 5-6, pp. 159-164., SCOPUS

[1.2] Schmitz, F. - Natarajan, S. - Venkatesan, J.K. - Wahl, S. - Schwarz, K. - Grabner, C.P. EF hand-mediated Ca^{2+} signalling in photoreceptor synaptic terminals. In Frontiers in Molecular Neuroscience, FEBRUARY 2012., SCOPUS

[1.2] Siwek, M. - Henseler, C. - Broich, K. - Papazoglou, A. - Weiergräber, M. Voltage-gated Ca^{2+} channel mediated Ca^{2+} influx in epileptogenesis. In Advances in Experimental Medicine and Biology, 2012, Vol. 740, p. 1219-1247, SCOPUS

[1.2] SUPPIRAMANIAM, V. - BUABEID, M. - BHATTACHARYA, S. - PARAMESHWARAN, K. Ion Channels. In Reference Module in Biomedical Research, 2014-12-15, pp., SCOPUS

[1.2] Tariq, A., Jantsch, M.F Transcript diversification in the nervous system: A to I RNA editing in CNS function and disease development. In Frontiers in Neuroscience, JULY 2012, p. 1-13, SCOPUS

[1.2] Woods, N.K. - Padmanabhan, J. Neuronal calcium signaling and Alzheimer's disease. In Advances in Experimental Medicine and Biology, 2012, Vol. 740, p. 1193-1217, SCOPUS

[2.2] DIBUÉ, Maxine - TEVOUFOUET, Etienne E. - NEUMAIER, Felix - KRIEGER, Andreas - KIEL, Alexandra - EVDOKIMOV, Dimitar - GALETIN, Thomas - ALPDOGAN, Serdar - AKHTAR, Isha - SCHARF, Sabrina - CLEMENS, Renate - RADHAKRISHNAN, Kayalvizhi - HESCHELER, Jürgen - SCHNEIDER, Toni - KAMP, Marcel A. Protein interaction partners of Cav2.3 R-type voltage-gated calcium channels. In Modulation of Presynaptic Calcium Channels, 2013-12-01, 9789400763340, pp. 151-174., SCOPUS

[2.2] OMILUSIK, Kyla D. - NOHARA, Lilian L. - STANWOOD, Shawna - JEFFERIES, Wilfred A. Weft, warp, and weave: The intricate tapestry of calcium channels regulating T lymphocyte function. In Frontiers in Immunology, 2013-09-17, 4, jUN, pp., SCOPUS

[2.2] SCHNEIDER, Toni - DIBUÉ, Maxine - HESCHELER, Jürgen. How "pharmacoresistant" is cav2.3, the major component of voltage-gated r-type Ca^{2+} channels? In Pharmaceuticals, 2013-06-05, 6, 6, pp. 759-776., SCOPUS

[2.2] ZHANG, Mengliang - HULTBORN, Hans - SUKIASYAN, Natalya.

The distribution of calcium channel cav1.3 in the central nervous system and its functions in relation to motor control. In *Calcium Channels: Properties, Functions and Regulation*, 2012-03-01, pp. 1-48., SCOPUS

- ADDA40 LENČEŠOVÁ, Ľubomíra - KRIŽANOVÁ, Oľga. IP3 receptors, stress and apoptosis. In *General Physiology and Biophysics*, 2012, vol. 31, p. 119 - 130. (1.192 - IF2011). (2012 - Current Contents). ISSN 0231-5882. VEGA 2/0049/10, CEMAN.
Ohlasy:
[1.1] IVANOVA, Hristina - VERVLJET, Tim - MISSIAEN, Ludwig - PARYS, Jan B. - DE SMEDT, Humbert - BULTYNCK, Geert. Inositol 1,4,5-trisphosphate receptor-isoform diversity in cell death and survival. In *BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH*. ISSN 0167-4889, 2014, vol. 1843, no. 10, pp. 2164., WOS
[1.1] KAJA, Simon - NAUMCHUK, Yuliya - GRILLO, Stephanie L. - BORDEN, Priscilla K. - KOULEN, Peter. Differential up-regulation of Vesl-1/Homer 1 protein isoforms associated with decline in visual performance in a preclinical glaucoma model. In *VISION RESEARCH*. ISSN 0042-6989, 2014, vol. 94, no., pp. 16., WOS
- ADDA41 LICHVÁROVÁ, Lucia - JÁŠKOVÁ, Katarína - LACINOVÁ, Ľubica. NGF-induced neurite outgrowth in PC12 cells is independent of calcium entry through L-type calcium channels. In *General Physiology and Biophysics*, 2012, vol. 31, p. 473-478. (1.192 - IF2011). (2012 - Current Contents). ISSN 0231-5882. APVV-0212-10.
Ohlasy:
[1.1] PERUFFO, A. - GIACOMELLO, M. - MONTELLI, S. - PANIN, M. - COZZI, B. Expression profile of the pore-forming subunits alpha 1A and alpha 1D in the foetal bovine hypothalamus: A mammal with a long gestation. In *NEUROSCIENCE LETTERS*. ISSN 0304-3940, 2013, vol. 556, no., pp. 124., WOS
[1.1] YAN, Xiaodong - LIU, Juanfang - HUANG, Jinghui - HUANG, Ming - HE, Fei - YE, Zhengxu - XIAO, Wei - HU, Xueyu - LUO, Zhuojing. Electrical Stimulation Induces Calcium-Dependent Neurite Outgrowth and Immediate Early Genes Expressions of Dorsal Root Ganglion Neurons. In *NEUROCHEMICAL RESEARCH*. ISSN 0364-3190, 2014, vol. 39, no. 1, pp. 129., WOS
[3] Cragg, CL - Kalisch, BE. Nerve Growth Factor Enhances Tau Isoform Expression and Transcription in IMR32 Cells. In *Neuroscience and Medicine*, 2014. p. google scholar
- ADDA42 MÁLEKOVÁ, Ľubica - KRIŽANOVÁ, Oľga - ONDRIAŠ, Karol. H2S and HS(-) donor NaHS inhibits intracellular chloride channels. In *General physiology and biophysics*, 2009, vol. 28, issue 2, p. 190-194. (0.697 - IF2008). (2009 - Current Contents). ISSN 0231-5882.
Ohlasy:
[1.1] ASHRAFFPOUR, M. - BABAEI, J. Fahanik - SAGHIRI, R. - SEPEHRI, H. - SHARIFI, H. Modulation of the hepatocyte rough endoplasmic reticulum single chloride channel by nucleotide-Mg2+ interaction. In *PFLUGERS ARCHIV-EUROPEAN JOURNAL OF PHYSIOLOGY*. ISSN 0031-6768, 2012, vol. 464, no. 2, pp. 175., WOS
[1.1] BOROS, Melinda - KEMENY, Agnes - SEBOK, Bela - BAGOLY,

Terez - PERKECZ, Aniko - PETOHAZI, Zoltan - MAASZ, Gabor - SCHMIDT, Janos - MARK, Laszlo - LASZLO, Terezia - HELYES, Zsuzsanna - SZOLCSANYI, Janos - PINTER, Erika. Sulphurous medicinal waters increase somatostatin release: It is a possible mechanism of anti-inflammatory effect of balneotherapy in psoriasis. In EUROPEAN JOURNAL OF INTEGRATIVE MEDICINE. ISSN 1876-3820, 2013, vol. 5, no. 2, pp. 109., WOS

[1.1] KABIL, Omer - MOTL, Nicole - BANERJEE, Ruma. H₂S and its role in redox signaling. In BIOCHIMICA ET BIOPHYSICA ACTA-PROTEINS AND PROTEOMICS. ISSN 1570-9639, 2014, vol. 1844, no. 8, pp. 1355., WOS

[1.1] LIU, Yi-Hong - LU, Ming - HU, Li-Fang - WONG, Peter T.H. - WEBB, George D. - BIAN, Jin-Song. Hydrogen Sulfide in the Mammalian Cardiovascular System. In ANTIOXIDANTS & REDOX SIGNALING. ISSN 1523-0864, 2012, vol. 17, no. 1, pp. 141., WOS

[1.1] LI, Ling - ROSE, Peter - MOORE, Philip K. - CHO, AK. Hydrogen Sulfide and Cell Signaling. In ANNUAL REVIEW OF PHARMACOLOGY AND TOXICOLOGY, VOL 51, 2011, 2011, vol.51, no., 169., WOS

[1.1] MANCARDI, Daniele - PLA, Alessandra Florio - MOCCIA, Francesco - TANZI, Franco - MUNARON, Luca. Old and New Gasotransmitters in the Cardiovascular System: Focus on the Role of Nitric Oxide and Hydrogen Sulfide in Endothelial Cells and Cardiomyocytes. In CURRENT PHARMACEUTICAL BIOTECHNOLOGY, 2011, vol.12, no.9, 1406., WOS

[1.1] PEERS, Chris - BAUER, Claudia C. - BOYLE, John P. - SCRAGG, Jason L. - DALLAS, Mark L. Modulation of Ion Channels by Hydrogen Sulfide. In ANTIOXIDANTS & REDOX SIGNALING. ISSN 1523-0864, 2012, vol. 17, no. 1, pp. 95., WOS

[1.1] SKOVGAARD, Nini - GOULIAEV, Anja - AALLING, Mathilde - SIMONSEN, Ulf. The Role of Endogenous H₂S in Cardiovascular Physiology. In CURRENT PHARMACEUTICAL BIOTECHNOLOGY, 2011, vol.12, no.9, 1385., WOS

[1.1] SZABO, Ildiko - ZORATTI, Mario. MITOCHONDRIAL CHANNELS: ION FLUXES AND MORE. In PHYSIOLOGICAL REVIEWS. ISSN 0031-9333, 2014, vol. 94, no. 2, pp. 519., WOS

[1.1] WANG, Rui. PHYSIOLOGICAL IMPLICATIONS OF HYDROGEN SULFIDE: A WHIFF EXPLORATION THAT BLOSSOMED. In PHYSIOLOGICAL REVIEWS. ISSN 0031-9333, 2012, vol. 92, no. 2, pp. 791., WOS

[1.1] WHITEMAN, Matthew - LE TRIONNAIRE, Sophie - CHOPRA, Mohit - FOX, Bridget - WHATMORE, Jacqueline. Emerging role of hydrogen sulfide in health and disease: critical appraisal of biomarkers and pharmacological tools. In CLINICAL SCIENCE, 2011, vol.121, no.11-12, 459., WOS

[1.1] ZHAO, Yongxing - WEI, Heming - KONG, Geraldine - SHIM, Winston - ZHANG, Guangqin. Hydrogen sulfide augments the proliferation and survival of human induced pluripotent stem cell-derived mesenchymal stromal cells through inhibition of BKca. In CYTOTHERAPY. ISSN 1465-3249, 2013, vol. 15, no. 11, pp. 1395., WOS

ADDA43 MARTINKOVÁ, N. - ZAHRADNÍKOVÁ, Alexandra, ml. - BUDEEV, J.A. - VRŠANSKÝ, Peter. Surface home ranges of the Baikal seal (*Phoca sibirica*) during the solid ice-cover period. In *Biologia : journal of the Slovak Academy of Science*,

2001, vol. 56, no. 2, p. 219-224. (0.165 - IF2000). (2001 - Current Contents). ISSN 0006-3088.

Ohlasy:

[1.1] EISERT, Regina - POTTER, Charles W. - OFTEDAL, Olav T. Brain size in neonatal and adult Weddell seals: Costs and consequences of having a large brain. In MARINE MAMMAL SCIENCE. ISSN 0824-0469, 2014, vol. 30, no. 1, pp. 184., WOS

ADDA44 MINARIK, Gabriel - FERÁK, Vladimír - FERÁKOVÁ, E. - FICEK, Andrej - POLÁKOVÁ, Helena - KÁDAŠI, Ľudevít. High frequency of GJB2 mutation W24X among Slovak Romany (Gypsy) patients with non-syndromic hearing loss (NSHL). In *General physiology and biophysics*, 2003, vol. 22, iss. 4, p. 549-556. (0.719 - IF2002). (2003 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] BARASHKOV, Nikolay A. - DZHEMILEVA, Lilya U. - FEDOROVA, Sardana A. - TERYUTIN, Fedor M. - POSUKH, Olga L. - FEDOTOVA, Elvira E. - LOBOV, Simeon L. - KHUSNUTDINOVA, Elza K. Autosomal recessive deafness 1A (DFNB1A) in Yakut population isolate in Eastern Siberia: extensive accumulation of the splice site mutation IVS1+1G > A in GJB2 gene as a result of founder effect. In JOURNAL OF HUMAN GENETICS, 2011, vol.56, no.9, 631., WOS

[1.1] BROZKOVA, D. Safka - LASTUVKOVA, J. - STEPANKOVA, H. - KRUTOVA, M. - TRKOVA, M. - MYSKA, P. - SEEMAN, P. DFNB49 is an important cause of non-syndromic deafness in Czech Roma patients but not in the general Czech population. In CLINICAL GENETICS. ISSN 0009-9163, 2012, vol. 82, no. 6, pp. 579., WOS

[1.1] DEL CASTILLO, Francisco J. - DEL CASTILLO, Ignacio. The DFNB1 subtype of autosomal recessive non-syndromic hearing impairment. In FRONTIERS IN BIOSCIENCE-LANDMARK, 2011, vol.16, no., 3252., WOS

[1.1] GABRIKOVA, Dana - MISTRIK, Martin - BERNASOVSKA, Jarmila - BOZIKOVA, Alexandra - BEHULOVA, Regina - TOTHOVA, Iveta - MACEKOVA, Sona. Founder mutations in NDRG1 and HK1 genes are common causes of inherited neuropathies among Roma/Gypsies in Slovakia. In JOURNAL OF APPLIED GENETICS. ISSN 1234-1983, 2013, vol. 54, no. 4, pp. 455., WOS

[1.1] GANDIA, Marta - DEL CASTILLO, Francisco J. - RODRIGUEZ-ALVAREZ, Francisco J. - GARRIDO, Gema - VILLAMAR, Manuela - CALDERON, Manuela - MORENO-PELAYO, Miguel A. - MORENO, Felipe - DEL CASTILLO, Ignacio. A Novel Splice-Site Mutation in the GJB2 Gene Causing Mild Postlingual Hearing Impairment. In PLOS ONE. ISSN 1932-6203, 2013, vol. 8, no. 9, pp., WOS

[1.1] HAYASHI, Chieri - FUNAYAMA, Manabu - LI, Yuanzhe - KAMIYA, Kazusaku - KAWANO, Atsushi - SUZUKI, Mamoru - HATTORI, Nobutaka - IKEDA, Katsuhisa. Prevalence of GJB2 causing recessive profound non-syndromic deafness in Japanese children. In INTERNATIONAL JOURNAL OF PEDIATRIC OTORHINOLARYNGOLOGY, 2011, vol.75, no.2, 211., WOS

[1.1] HOEFSLOOT, Lies H. - ROUX, Anne-Francoise - BITNER-GLINDZICZ, Maria. EMQN Best Practice guidelines for diagnostic testing of mutations causing non-syndromic hearing impairment at the DFNB1 locus. In EUROPEAN JOURNAL OF HUMAN GENETICS. ISSN 1018-4813,

2013, vol. 21, no. 11, pp. 1325., WOS

[1.1] MATOS, Tiago Daniel - SIMOES-TEIXEIRA, Helena - CARIA, Helena - GONCALVES, Ana Claudia - CHORA, Joana - CORREIA, Maria do Ceu - MOURA, Carla - ROSA, Helena - MONTEIRO, Luisa - O&APOS;NEILL, Assuncao - DIAS, Oscar - ANDREA, Mario - FIALHO, Graca. Spectrum and frequency of GJB2 mutations in a cohort of 264 Portuguese nonsyndromic sensorineural hearing loss patients. In INTERNATIONAL JOURNAL OF AUDIOLOGY. ISSN 1499-2027, 2013, vol. 52, no. 7, pp. 466., WOS

[1.1] RADULESCU, Luminita - MARTU, Cristian - BIRKENHAEGER, Ralf - COZMA, Sebastian - UNGUREANU, Loreta - LASZIG, Roland. Prevalence of mutations located at the dfnb1 locus in a population of cochlear implanted children in eastern Romania. In INTERNATIONAL JOURNAL OF PEDIATRIC OTORHINOLARYNGOLOGY. ISSN 0165-5876, 2012, vol. 76, no. 1, pp. 90., WOS

[1.1] SHAFIQUE, Sobia - SIDDIQI, Saima - SCHRADERS, Margit - OOSTRIK, Jaap - AYUB, Humaira - BILAL, Ammad - AJMAL, Muhammad - SECO, Celia Zazo - STROM, Tim M. - MANSOOR, Atika - MAZHAR, Kehkashan - SHAH, Syed Tahir A. - HUSSAIN, Alamdar - AZAM, Maleeha - KREMER, Hannie - QAMAR, Raheel. Genetic Spectrum of Autosomal Recessive Non-Syndromic Hearing Loss in Pakistani Families. In PLOS ONE. ISSN 1932-6203, 2014, vol. 9, no. 6, pp., WOS

[1.1] SIPEKY, Csilla - MATYAS, Petra - MELEGH, Marton - JANICSEK, Ingrid - SZALAI, Renata - SZABO, Istvan - VARNAI, Reka - TARLOS, Greta - GANCZER, Alma - MELEGH, Bela. Lower carrier rate of GJB2 W24X ancestral Indian mutation in Roma samples from Hungary: implication for public health intervention. In MOLECULAR BIOLOGY REPORTS. ISSN 0301-4851, 2014, vol. 41, no. 9, pp. 6105., WOS

[1.1] VAN KERSCHAUER, Erwin - BOUDEWYNS, An N. - DECLAU, Frank - VAN DE HEYNING, Paul H. - WUYTS, Floris L. Socio-demographic determinants of hearing impairment studied in 103 835 term babies. In EUROPEAN JOURNAL OF PUBLIC HEALTH. ISSN 1101-1262, 2013, vol. 23, no. 1, pp. 55., WOS

[1.1] ZAINAL, Siti Aishah - DAUD, Mohd Khairi Md - ABD RAHMAN, Normastura - ZAINUDDIN, Zafarina - ALWI, Zilfalil. Mutation detection in GJB2 gene among Malays with non-syndromic hearing loss. In INTERNATIONAL JOURNAL OF PEDIATRIC OTORHINOLARYNGOLOGY. ISSN 0165-5876, 2012, vol. 76, no. 8, pp. 1175., WOS

[1.2] GASPERIKOVA, D. - MASINDOVA, I. - VARGA, L. - STANIK, J. - VALENTINOVA, L. - PROFANT, M. - KLIMES, I. Molecular and hereditary mechanisms of sensorineural hearing loss with focus on selected endocrinopathies. In Endocrine Regulations, 2012, 46, 3, pp. 167-186., SCOPUS

[1.2] MELO, Uirá S. - SANTOS, Silvana - CAVALCANTI, Hannalice G. - ANDRADE, Wagner T. - DANTAS, Vitor G. - ROSA, Marine R D - MINGRONI-NETTO, Regina C. Strategies for genetic study of hearing loss in the Brazilian northeastern region. In International Journal of Molecular Epidemiology and Genetics. ISSN 19481756, 2014-02-27, 5, 1, pp. 11-21., SCOPUS

[1.2] REGUEIRO, M. - STANOJEVIC, A. - CHENNAKRISHNAIAH, S. -

RIVERA, L. - VARLJEN, T. - ALEMPIJEVIC, D. - STOJKOVIC, O. - SIMMS, T. - GAYDEN, T. - HERRERA, R.J. Divergent patrilineal signals in three Roma populations. In American Journal of Physical Anthropology, 2011, vol.144, no.1, 80-91., SCOPUS

- ADDA45 NICHTOVÁ, Zuzana - NOVOTOVÁ, Marta - KRÁLOVÁ, Eva - STANKOVIČOVÁ, Tatiana. Morphological and functional characteristics of models of experimental myocardial injury induced by isoproterenol. In *General Physiology and Biophysics*, 2012, vol. 31, p. 141-151. (1.192 - IF2011). (2012 - Current Contents). ISSN 0231-5882. VEGA 1/4244/07, 2/0174/09, 1/0726/10, 2/0116/12, 1/1342/12, APVV 51-059-505, APVV-0139-06, APVV-0721-10, LSHM-CT-2005-018833/EUGeneHeart.
- Ohlasy:
- [1.1] BRANCO, Ana F. - SAMPAIO, Susana F. - WIECKOWSKI, Mariusz R. - SARDAO, Vilma A. - OLIVEIRA, Paulo J. Mitochondrial disruption occurs downstream from beta-adrenergic overactivation by isoproterenol in differentiated, but not undifferentiated H9c2 cardiomyoblasts: Differential activation of stress and survival pathways. In INTERNATIONAL JOURNAL OF BIOCHEMISTRY & CELL BIOLOGY. ISSN 1357-2725, 2013, vol. 45, no. 11, pp. 2379., WOS
- [1.1] LI, Hao - LU, Zhi-Zhen - CHEN, Chao - SONG, Yao - XIAO, Han - ZHANG, You-Yi. Echocardiographic assessment of beta-adrenoceptor stimulation-induced heart failure with reduced heart rate in mice. In CLINICAL AND EXPERIMENTAL PHARMACOLOGY AND PHYSIOLOGY. ISSN 1440-1681, 2014, vol. 41, no. 1, pp. 58., WOS
- [1.1] PARTHASARATHY, Arumugam - GOPI, Venkatachalam - DEVI, Shyamala K. M. - BALAJI, Nagarajan - VELLAICHAMY, Elangovan. Aminoguanidine inhibits ventricular fibrosis and remodeling process in isoproterenol-induced hypertrophied rat hearts by suppressing ROS and MMPs. In LIFE SCIENCES. ISSN 0024-3205, 2014, vol. 118, no. 1, pp. 15., WOS
- [1.1] SIMKO, Fedor - BEDNAROVA, Kristina Repova - KRAJCIROVICOVA, Kristina - HRENAK, Jaroslav - CELEC, Peter - KAMODYOVA, Natalia - GAJDOSECHOVA, Lucia - ZORAD, Stefan - ADAMCOVA, Michaela. Melatonin reduces cardiac remodeling and improves survival in rats with isoproterenol-induced heart failure. In JOURNAL OF PINEAL RESEARCH. ISSN 0742-3098, 2014, vol. 57, no. 2, pp. 177., WOS
- [1.1] TING, Sherwin - LIEW, Seaw Jia - JAPSON, Francis - SHANG, Fuchun - CHONG, Wee Keat - REUVENY, Shaul - THAM, Jo Yew - LI, Xiang - OH, Steve. Time-resolved video analysis and management system for monitoring cardiomyocyte differentiation processes and toxicology assays. In BIOTECHNOLOGY JOURNAL. ISSN 1860-6768, 2014, vol. 9, no. 5, pp. 675., WOS
- [1.2] GARG, Monika - KHANNA, Deepa. Exploration of pharmacological interventions to prevent isoproterenol-induced myocardial infarction in experimental models. In Therapeutic Advances in Cardiovascular Disease. ISSN 17539447, 2014-01-01, 8, 4, pp. 155-169., SCOPUS
- [1.2] MERLET, Nolwenn - BUSSEUIL, David - RHÉAUME, Éric - TARDIF, Jean Claude. Cardiac consequences of anti-inflammatory drugs in experimental models. In Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry. ISSN 18715230, 2013-04-10, 12, 1, pp. 24-35., SCOPUS

ADDA46 NOVÁKOVÁ, Mária - SEDLÁKOVÁ, Barbora - ŠÍROVÁ, Marta - FIALOVÁ, K. - KRIŽANOVÁ, Oľga. Haloperidol increases expression of the inositol 1,4,5-trisphosphate receptors in rat cardiac atria, but not in ventricles. In *General Physiology and Biophysics*, 2010, vol. 29, p. 381-389. (0.741 - IF2009). (2010 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] SKRZYCKI, Michal - CZECZOT, Hanna. Multiple Protective Functions of Sigma1 Receptor. In *CURRENT PROTEIN & PEPTIDE SCIENCE*. ISSN 1389-2037, 2014, vol. 15, no. 8, pp. 798., WOS

ADDA47 NOVÁKOVÁ, M. - BRUDEROVÁ, V. - SULO VÁ, 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] BHUIYAN, Md. Shenuarin - TAGASHIRA, Hideaki - FUKUNAGA, Kohji. Sigma-1 receptor stimulation with fluvoxamine activates Akt-eNOS signaling in the thoracic aorta of ovariectomized rats with abdominal aortic banding. In *EUROPEAN JOURNAL OF PHARMACOLOGY*, 2011, vol.650, no.2-3, 621., WOS

[1.1] Kryzhanovskiy, SA (Kryzhanovskiy, S. A.)1; Sorokina, AV (Sorokina, A. V.)1; Stolyaruck, VN (Stolyaruck, V. N.)1; Vititnova, MB (Vititnova, M. B.)1; Miroshkina, IA (Miroshkina, I. A.)1; Tsorin, IB (Tsorin, I. B.)1; Durnev, AD (Durnev, A. D.)1; Seredenin, SB (Seredenin, S. B.)1 Study of Anti-Ischemic Effect of Afobazole in Experimental Myocardial Infarction *BULLETIN OF EXPERIMENTAL BIOLOGY AND MEDICINE* Volume: 150 Issue: 3 Pages: 316-319 DOI: 10.1007/s10517-011-1131-4 Published: JAN 2011, WOS

[1.1] Tagashira, H (Tagashira, Hideaki); Bhuiyan, S (Bhuiyan, Shenuarin); Shioda, N (Shioda, Norifumi); Fukunaga, K (Fukunaga, Kohji)1 Distinct cardioprotective effects of 17 beta-estradiol and dehydroepiandrosterone on pressure overload-induced hypertrophy in ovariectomized female rats *MENOPAUSE-THE JOURNAL OF THE NORTH AMERICAN MENOPAUSE SOCIETY* Volume: 18 Issue: 12 Pages: 1317-1326 DOI: 10.1097/gme.0b013e31821f915b Published: DEC 2011, WOS

[1.1] TAGASHIRA, Hideaki - BHUIYAN, Md. Shenuarin - SHIODA, Norifumi - FUKUNAGA, Kohji. Fluvoxamine rescues mitochondrial Ca²⁺ transport and ATP production through sigma(1)-receptor in hypertrophic cardiomyocytes. In *LIFE SCIENCES*. ISSN 0024-3205, 2014, vol. 95, no. 2, pp. 89-100., WOS

[1.2] Bhuiyan, M.S., Fukunaga, K. Targeting sigma-1 receptor signaling by endogenous ligands for cardioprotection *Expert Opinion on Therapeutic Targets* 15 (2) , pp. 145-155 , 2011, SCOPUS

[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

[1.2] ZAMANILLO, Daniel - PORTILLO-SALIDO, Enrique - VELA, José Miguel - ROMERO, Luz. Sigma 1 Receptor Chaperone: Pharmacology and Therapeutic Perspectives. In *Therapeutic Targets: Modulation, Inhibition, and Activation*, 2012-05-29, pp. 225-278., SCOPUS

ADDA48 JÁŠKOVÁ, Katarína - PAVLOVIČOVÁ, Michaela - JURKOVIČOVÁ, Dana. Calcium transporters and their role in the development of neuronal disease and neuronal damage. In *General Physiology and Biophysics*, 2012, vol. 31, p. 375-382. (1.192 - IF2011). (2012 - Current Contents). ISSN 0231-5882. VEGA 2/009/11, APVV-0212-10.

Ohlasy:

[1.1] LIU, Shuang - YIN, Feng - ZHANG, Jianning - QIAN, Yangming. The role of calpains in traumatic brain injury. In *BRAIN INJURY*. ISSN 0269-9052, 2014, vol. 28, no. 2, pp. 133., WOS

[1.1] PESSOA-PUREUR, Regina - HEIMFARTH, Luana - ROCHA, Joao B. Signaling Mechanisms and Disrupted Cytoskeleton in the Diphenyl Ditelluride Neurotoxicity. In *OXIDATIVE MEDICINE AND CELLULAR LONGEVITY*. ISSN 1942-0900, 2014, vol., no., pp., WOS

[3] Persidsky, Yuri - Gofman, Larisa - Potula, Raghava. Alcohol and Neurodegeneration. In *Neuroinflammation and Neurodegeneration*. 2014, p. 511-526 google scholar

[3] Prince, R.L. Plasma and Extracellular Fluid Calcium Homeostasis in Relation to Metabolic Bone Disease: Role of Kidneys. (Chapter 3). In the *Physiological Basis of Metabolic Bone Disease* (eds. Howard A. Morris, Paul H. Anderson, B.E. Christopher Nordin), CRC Press, ISBN 978-1-4398-9943-4, 2014, p.41-61, google scholar

ADDA49 ONDRIAŠ, Karol - MOJŽIŠOVÁ, Alexandra. Coupled gating between individual cardiac ryanodine calcium release channels. In *General physiology and biophysics*, 2002, vol. 21, issue 1, p. 73-84. (0.932 - IF2001). (2002 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] GABURJAKOVA, Jana - GABURJAKOVA, Marta. Coupled gating modifies the regulation of cardiac ryanodine receptors by luminal Ca²⁺. In *BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES*. ISSN 0005-2736, 2014, vol. 1838, no. 3, pp. 867., WOS

[1.1] PORTA, Maura - DIAZ-SYLVESTER, Paula L. - NEUMANN, Jake T. - ESCOBAR, Ariel L. - FLEISCHER, Sidney - COPELLO, Julio A. Coupled gating of skeletal muscle ryanodine receptors is modulated by Ca²⁺, Mg²⁺, and ATP. In *AMERICAN JOURNAL OF PHYSIOLOGY-CELL PHYSIOLOGY*. ISSN 0363-6143, 2012, vol. 303, no. 6, pp. C682., WOS

ADDA50 ONDRIAŠ, Karol - MÁLEKOVÁ, Ľubica - KRIŽANOVÁ, Oľga. Potassium-chloride promiscuous channels in mitochondrial membranes. In *General physiology and biophysics*, 2008, vol.27, issue 1, p. 38-44. (1.286 - IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 0231-5882.

Ohlasy:

[1.1] SZABO, Ildiko - ZORATTI, Mario. MITOCHONDRIAL

CHANNELS: ION FLUXES AND MORE. In PHYSIOLOGICAL REVIEWS.
ISSN 0031-9333, 2014, vol. 94, no. 2, pp. 519., WOS

- ADDA51 ONDRIAS, Karol - ŠÍROVÁ, Marta - KUBOVČÁKOVÁ, Lucia -
KRIŽANOVÁ, Oľga. Uranyl acetate modulates gene expression and protein levels
of the type 2, but not type 1 inositol 1,4,5-trisphosphate receptors in mouse kidney.
In *General physiology and biophysics*, 2008, vol. 27, issue 3, p. 187-193. (1.286 -
IF2007). (2008 - Current Contents, WOS, SCOPUS). ISSN 0231-5882.

Ohlasy:

[1.1] AUDENET, Francois - CANCEL-TASSIN, Geraldine - BIGOT, Pierre
- AUDOUIN, Marie - GAFFORY, Cecile - ONDET, Valerie - THIBAUT,
Frederic - AURIBAUT, Karine - GAZUT, Stephane - BENHABILES, Nora -
AZZOUZI, Abdel-Rhamene - MEJEAN, Arnaud - ROUPRET, Morgan -
CUSSENOT, Olivier. Germline Genetic Variations at 11q13 and 12p11 Locus
Modulate Age at Onset for Renal Cell Carcinoma. In JOURNAL OF
UROLOGY. ISSN 0022-5347, 2014, vol. 191, no. 2, pp. 487., WOS

[1.1] WU, Xifeng - SCELO, Ghislaine - PURDUE, Mark P. - ROTHMAN,
Nathaniel - JOHANSSON, Mattias - YE, Yuanqing - WANG, Zhaoming -
ZELENKA, Diana - MOORE, Lee E. - WOOD, Christopher G. -
PROKHORTCHOUK, Egor - GABORIEAU, Valerie - JACOBS, Kevin B. -
CHOW, Wong-Ho - TORO, Jorge R. - ZARIDZE, David - LIN, Jie -
LUBINSKI, Jan - TRUBICKA, Joanna - SZESZENIA-DABROWSKA, Neonilia -
LISSOWSKA, Jolanta - RUDNAI, Peter - FABIANOVA, Eleonora - MATES,
Dana - JINGA, Viorel - BENCKO, Vladimir - SLAMOVA, Alena -
HOLCATOVA, Ivana - NAVRATILOVA, Marie - JANOUT, Vladimir -
BOFFETTA, Paolo - COLT, Joanne S. - DAVIS, Faith G. - SCHWARTZ,
Kendra L. - BANKS, Rosamonde E. - SELBY, Peter J. - HARNDEN, Patricia -
BERG, Christine D. - HSING, Ann W. - GRUBB, Robert L. - BOEING, Heiner -
VINEIS, Paolo - CLAVEL-CHAPELON, Francoise - PALLI, Domenico -
TUMINO, Rosario - KROGH, Vittorio - PANICO, Salvatore - DUELL, Eric J. -
RAMON QUIROS, Jose - SANCHEZ, Maria-Jose - NAVARRO, Carmen -
ARDANAZ, Eva - DORRONSORO, Miren - KHAW. A genome-wide
association study identifies a novel susceptibility locus for renal cell carcinoma
on 12p11.23. In HUMAN MOLECULAR GENETICS. ISSN 0964-6906, Jan
2012, vol. 21, iss. 2, p. 456-462, WOS

[1.2] BRUGGE, D. - BUCHNER, V. Health effects of uranium: new research
findings. In REVIEWS ON ENVIRONMENTAL HEALTH. 2011, vol. 26, no. 4,
p. 231-249, SCOPUS

- ADDA52 ORLICKÝ, Jozef - SULOVA, Zdena - DOVINOVÁ, Ima - FIALA, R. -
ZAHRADNÍKOVÁ, Alexandra, ml. - BREIER, Albert. Functional Fluo-3/AM assay
on P-glycoprotein transport activity in L1210/VCR cells by confocal microscopy. In
General physiology and biophysics : international journal, 2004, vol. 23, p.
357-366. (0.794 - IF2003). (2004 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] LEITE, J.C.D. - MARQUES-SANTOS, L.F. Extracellular Ca²⁺ influx
is crucial for the early embryonic development of the sea urchin *Echinometra*
lucunter. In JOURNAL OF EXPERIMENTAL ZOOLOGY PART
B-MOLECULAR AND DEVELOPMENTAL EVOLUTION. ISSN 1552-5007,
MAR 2012, vol. 318B, no. 2, p. 123-133., WOS

- [1.1] LUCKI, N.C. - LI, D.H. - SEWER, M.B. Sphingosine-1-phosphate rapidly increases cortisol biosynthesis and the expression of genes involved in cholesterol uptake and transport in H295R adrenocortical cells. In MOLECULAR AND CELLULAR ENDOCRINOLOGY. ISSN 0303-7207, JAN 2 2012, vol. 348, no. 1, p. 165-175., WOS
- [1.1] WANG, Q. - SUN, X.L. - YANG, X.H. - WANG, K.M. - WU, C.L. - CHEN, T. Investigation of MRP1 Molecules on Cell Membrane Based on Single Molecule Atomic Force Microscopy. In CHEMICAL JOURNAL OF CHINESE UNIVERSITIES-CHINESE. ISSN 0251-0790, JUL 10 2012, vol. 33, no. 7, p. 1401-1406., WOS

ADDA53 PAVLÁSEK, Juraj - HABURČÁK, M. - HABURČÁKOVÁ, Cs. - ORLICKÝ, Jozef - MIKULAJOVA, M. Mannitol derivate used as a marker for voltammetrically monitored transport across the blood-brain barrier under condition of locus coeruleus stimulation. In *General Physiology and Biophysics*, 1998, vol. 17, no. 4, p. 309-322. (0.259 - IF1997). (1998 - Current Contents, WOS, SCOPUS). ISSN 0231-5882.

Ohlasy:

- [1.2] EGLETON, R.D. - ABBRUSCATO, T. Drug abuse and the neurovascular unit. In ADVANCES IN PHARMACOLOGY, 2014, vol. 71, pp. 451-480., SCOPUS

ADDA54 PAVLOVIČOVÁ, Michaela - NOVOTOVÁ, Marta - ZAHRADNÍK, Ivan. Structure and composition of tubular aggregates of skeletal muscle fibres. In *General physiology and biophysics*, 2003, vol. 22, iss. 4, p. 425-440. (0.719 - IF2002). (2003 - Current Contents). ISSN 0231-5882.

Ohlasy:

- [1.1] BELAYA, Katsiaryna - FINLAYSON, Sarah - COSSINS, Judith - LIU, Wei Wei - MAXWELL, Susan - PALACE, Jacqueline - BEESON, David - WOLFE, GI - MERIGGIOLI, MN - CIAFALONI, E - RUFF, RL. Identification of DPAGT1 as a new gene in which mutations cause a congenital myasthenic syndrome. In MYASTHENIA GRAVIS AND RELATED DISORDERS II. ISSN 0077-8923, 2013, vol. 1275, no., pp. 29., WOS
- [1.1] FINLAYSON, Sarah - PALACE, Jacqueline - BELAYA, Katsiaryna - WALLS, Timothy J. - NORWOOD, Fiona - BURKE, Georgina - HOLTON, Janice L. - PASCUAL-PASCUAL, Samuel I. - COSSINS, Judith - BEESON, David. Clinical features of congenital myasthenic syndrome due to mutations in DPAGT1. In JOURNAL OF NEUROLOGY NEUROSURGERY AND PSYCHIATRY. ISSN 0022-3050, 2013, vol. 84, no. 10, pp. 1119., WOS
- [1.1] FUJIOKA, Hisashi - TANDLER, Bernard - ROSCA, Mariana - MCCANDLESS, Shawn E. - KATIRJI, Bashar - COHEN, Mark L. - RAPISUWON, Suthee - HOPPEL, Charles L. Multiple Muscle Cell Alterations in a Case of Encephalomyopathy. In ULTRASTRUCTURAL PATHOLOGY. ISSN 0191-3123, 2014, vol. 38, no. 1, pp. 13., WOS
- [1.1] FUNK, Fabian - CEUTERICK-DE GROOTE, Chantal - MARTIN, Jean-Jacques - MEINHARDT, Axel - TARATUTO, Ana L. - DE BLEECKER, Jan - VAN COSTER, Rudy - DE PAEPE, Boel - SCHARA, Ulrike - VORGERD, Matthias - HAEUSLER, Martin - KOPPI, Stefan - MASCHKE, Matthias - DE JONGHE, Peter - VAN MALDERGEM, Lionel - NOEL, Stephane - ZIMMERMANN, Christoph W. - WIRTH, Stefan - ISENMANN, Stefan - STADLER, Rudolf - SCHROEDER, J. Michael - SCHULZ, Joerg B. -

- WEIS, Joachim - CLAEYS, Kristl G. Morphological spectrum and clinical features of myopathies with tubular aggregates. In HISTOLOGY AND HISTOPATHOLOGY. ISSN 0213-3911, 2013, vol. 28, no. 8, pp. 1041., WOS
- [1.1] ZHOU, Jibin - FREEMAN, Theresa A. - AHMAD, Firdos - SHANG, Xiying - MANGANO, Emily - GAO, Erhe - FARBER, John - WANG, Yajing - MA, Xin-Liang - WOODGETT, James - VAGNOZZI, Ronald J. - LAL, Hind - FORCE, Thomas. GSK-3 alpha is a central regulator of age-related pathologies in mice. In JOURNAL OF CLINICAL INVESTIGATION. ISSN 0021-9738, 2013, vol. 123, no. 4, pp. 1821., WOS
- [1.2] BELAYA, K. - FINLAYSON, S. - COSSINS, J. - LIU, W.W. - MAXWELL, S. - PALACE, J. - BEESON, D. Identification of DPAGT1 as a new gene in which mutations cause a congenital myasthenic syndrome. In Annals of the New York Academy of Sciences, 2012, 1275, 1, pp. 29-35., SCOPUS
- [1.2] BELAYA, K. - FINLAYSON, S. - SLATER, C.R. - COSSINS, J. - LIU, W.W. - MAXWELL, S. - MCGOWAN, S.J. - MASLAU, S. - TWIGG, S.R.F. - WALLS, T.J. - PASCUAL PASCUAL, S.I. - PALACE, J. - BEESON, D. Mutations in DPAGT1 cause a limb-girdle congenital myasthenic syndrome with tubular aggregates. In American Journal of Human Genetics, 2012, 91, 1, pp. 193-201., SCOPUS
- [1.2] BONCOMPAGNI, S. - PROTASI, F. - FRANZINI-ARMSTRONG, C. Sequential stages in the age-dependent gradual formation and accumulation of tubular aggregates in fast twitch muscle fibers: SERCA and calsequestrin involvement. In Age, 2012, 34, 1, pp. 27-41., SCOPUS
- [1.2] GOEBEL, H.H. - BÖNNEMANN, C.G. 169th ENMC International Workshop Rare Structural Congenital Myopathies 6-8 November 2009, Naarden, The Netherlands. In Neuromuscular Disorders, 2011, vol.21, no.5, 363-374., SCOPUS
- [1.2] GUERGUELTCHEVA, V. - MÜLLER, J.S. - DUSL, M. - SENDEREK, J. - OLDFORS, A. - LINDBERGH, C. - MAXWELL, S. - COLOMER, J. - MALLEBRERA, C.J. - NASCIMENTO, A. - VILCHEZ, J.J. - MUELAS, N. - KIRSCHNER, J. - NAFISSI, S. - KARIMINEJAD, A. - NILIPOUR, Y. - BOZORGMEHR, B. - NAJMABADI, H. - RODOLICO, C. - SIEB, J.P. - SCHLOTTER, B. - SCHOSER, B. - HERRMANN, R. - VOIT, T. - STEINLEIN, O.K. - NAJAFI, A. - URTIZBEREA, A. - SOLER, D.M. - MUNTONI, F. - HANNA, M.G. - CHAOUCH, A. - STRAUB, V. - BUSHBY, K. - PALACE, J. - BEESON, D. - ABICHT, A. - LOCHMÜLLER, H. Congenital myasthenic syndrome with tubular aggregates caused by GFPT1 mutations. In Journal of Neurology, 2012, 259, 5, pp. 838-850., SCOPUS
- [1.2] WANG, Q. - MCPHERRON, A.C. Myostatin inhibition induces muscle fibre hypertrophy prior to satellite cell activation. In Journal of Physiology, 2012, 590, 9, pp. 2151-2165., SCOPUS

ADDA55 PINTEROVÁ, L. - KRIŽANOVÁ, Oľga - ZÓRAD, Štefan. Rat epididymal fat tissue express all components of the renin-angiotensin system. In *General physiology and biophysics*, 2000, vol. 19, iss. 3, p. 329-334. (0.400 - IF1999). (2000 - Current Contents). ISSN 0231-5882.

Ohlasy:

- [1.1] SAGAE, S. C. - LUBACZEUSKI, C. - ZACHARIAS, P. - BONFLEUR, M. L. - FRANCI, C. R. - SANVITTO, G. L. Prevention of metabolic disorders and reproductive performance deficits by the blockade of

Angiotensin II AT1 receptor in female rats fed with cafeteria diet. In *PHYSIOLOGY & BEHAVIOR*. ISSN 0031-9384, 2013, vol. 119, pp. 1-8., WOS
[1.1] Yiannikouris, F., Karounos, M., Charnigo, R., English, V.L., Rateri, D.L., Daugherty, A., Cassis, L.A. Adipocyte-specific deficiency of angiotensinogen decreases plasma angiotensinogen concentration and systolic blood pressure in mice. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, 302(2): R244-R251, 2012, WOS

ADDA56 POLÁKOVÁ, Helena - KÁDAŠI, Ľudevít - FILOVÁ, A. Analýza inverzií v 22. intróne génu pre faktor FVIII:C u pacientov s hemofiliou A v slovenskej populácii. In *Bratislavské lekárske listy : international journal for biomedical sciences and clinical medicine*, 1998, roč.99, č. 10, s.538-542. ISSN 0006-9248.

Ohlasy:

[1.2] ABOU-ELEW, H. - AHMED, H. - RASLAN, H. - ABDELWAHAB, M. - HAMMOUD, R. - MOKHTAR, D. - ARNOUT, H. Genotyping of intron 22- related rearrangements of F8 by inverse-shifting PCR in egyptian hemophilia A patients. In *ANNALS of HEMATOLOGY*. 2011, vol. 90, no.5, p. 579-584, SCOPUS

ADDA57 POLÁKOVÁ, Helena - ZMETAKOVA, Iveta - KÁDAŠI, Ľudevít. Long distance PCR in detection of inversion mutations of F8C gene in hemophilia A patients. In *General physiology and biophysics*, 2003, vol. 22, iss. 2, p. 243-253. (0.719 - IF2002). (2003 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] KUMAR, Praveen - FARIDI, Nuzhat J. - HUSAIN, Nuzhat - SONI, Priyanka - GOEL, Sudhir K. Study of intron 22 inversion mutation in north India with review. In *BLOOD COAGULATION & FIBRINOLYSIS*. ISSN 0957-5235, 2013, vol. 24, no. 2, pp. 120., WOS

[1.1] SHEEN, Campbell R. - MCDONALD, Margaret A. - GEORGE, Peter M. - SMITH, Mark P. - MORRIS, Christine M. Genotyping the factor VIII intron 22 inversion locus using fluorescent in situ hybridization. In *BLOOD CELLS MOLECULES AND DISEASES*, 2011, vol.46, no.2, 151., WOS

ADDA58 POLÁKOVÁ, Helena - KÁDAŠI, Ľudevít - ZELINKOVÁ, Mária. Výťažok a kvalita DNA extrahovanej z krvných vzoriek pri rozličných spôsoboch uskladnenia. In *Bratislavské lekárske listy : international journal for biomedical sciences and clinical medicine*, 1989, roč. 90, č. 11, s. 844-847. ISSN 0006-9248.

Ohlasy:

[1.2] PALMIROTTA, R. - LUDOVICI, G. - DE MARCHIS, M.L. - SAVONAROLA, A. - LEONE, B. - SPILA, A. - GUADAGNI, F. Preanalytical procedures for DNA studies: The experience of the interinstitutional multidisciplinary BioBank (BioBIM). In *BIOPRESERVATION AND BIOBANKING*. 2011, vol. 9, no. 1, p. 35-45, SCOPUS

ADDA59 RUŠČÁK, Michal - JUHÁSZ, Ondrej - ORLICKÝ, Jozef - ZACHAR, Jozef. INHIBITION OF NA⁺-CA²⁺ EXCHANGE BY CALCIUM-ANTAGONISTS IN RAT-BRAIN MICROSOMAL-MEMBRANES. In *General Physiology and Biophysics*, 1986, vol. 5, no. 5, p. 529-535. ISSN 0231-5882.

Ohlasy:

[1.1] EDWARDS, Andrew G. - GRANDI, Eleonora - HAKE, Johan E. -

PATEL, Sonia - LI, Pan - MIYAMOTO, Shigeki - OMENS, Jeffrey H. - BROWN, Joan Heller - BERS, Donald M. - MCCULLOCH, Andrew D. Nonequilibrium Reactivation of Na⁺ Current Drives Early Afterdepolarizations in Mouse Ventricle. In CIRCULATION-ARRHYTHMIA AND ELECTROPHYSIOLOGY. ISSN 1941-3149, 2014, vol. 7, no. 6, pp. 1205., WOS

ADDA60 RUŠČÁK, Michal - ORLICKÝ, Jozef - JUHÁSZOVÁ, Magdaléna. Na⁺-Ca²⁺ exchange in plasma membranes of crayfish striated muscle. In *General physiology and biophysics : international journal*, 1987, vol. 6, p. 469-478. ISSN 0231-5882.

Ohlasy:

[1.1] DESAI, SA. - LNENICKA, GA. Characterization of postsynaptic Ca²⁺ signal at the Drosophila larval NMJ. In JOURNAL OF NEUROPHYSIOLOGY. 2011, vol. 106, no. 2, p. 710-721, WOS

ADDA61 SEDLÁKOVÁ, Barbora - ČAČÁNYIOVÁ, Soňa - ONDRIAŠ, Karol - KRISTEK, František - KRIŽANOVÁ, Oľga. Effect of 7-nitroindazole on the expression of intracellular calcium in the kidney of spontaneously hypertensive rats. In *General physiology and biophysics*, 2009, vol. 28, p. 225-232. (0.697 - IF2008). (2009 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] BETHANAMUDI, P. - BANDARI, S. - SANKARI, K. - VELIDANDI, A. - CHANDRAMOULI, G.V.P. Synthesis of Novel N-1 and N-2 Indazole Derivatives. In E-JOURNAL OF CHEMISTRY. ISSN 0973-4945, 2012, vol. 9, no. 4, p. 1676-1682., WOS

[1.1] HUANG, C.F. - HSU, C.N. - CHIEN, S.J. - LIN, Y.J. - HUANG, L.T. - TAIN, Y.L. Aminoguanidine attenuates hypertension, whereas 7-nitroindazole exacerbates kidney damage in spontaneously hypertensive rats: The role of nitric oxide. In EUROPEAN JOURNAL OF PHARMACOLOGY. ISSN 0014-2999, JAN 15 2013, vol. 699, no. 1-3, p. 233-240., WOS

ADDA62 SULOVA, Zdena - VYSKOCIL, F. - STANKOVIČOVÁ, Tatiana - BREIER, Albert. Ca²⁺-induced inhibition of sodium pump: Effects on energetic metabolism of mouse diaphragm tissue. In *General physiology and biophysics*, 1998, vol.17, iss. 3, p. 271-283. (0.259 - IF1997). (1998 - Current Contents, WOS, SCOPUS). ISSN 0231-5882.

Ohlasy:

[1.1] HOSTRUP, M. - KALSEN, A. - ORTENBLAD, N. - JUEL, C. - MORCH, K. - RZEPPA, S. - KARLSSON, S. - BACKER, V. - BANGSBO, J. beta(2)-Adrenergic stimulation enhances Ca²⁺ release and contractile properties of skeletal muscles, and counteracts exercise-induced reductions in Na⁺-K⁺-ATPase V-max in trained men. In JOURNAL OF PHYSIOLOGY-LONDON. ISSN 0022-3751, 2014, vol. 592, no. 24, pp. 5445., WOS

ADDA63 SULOVA, Zdena - ŠEREŠ, Mário - BARANČÍK, Miroslav - GIBALOVÁ, Lenka - UHRÍK, Branislav - POLEKOVA, L. - BREIER, Albert. Does any relationship exist between P-glycoprotein-mediated multidrug resistance and intracellular calcium homeostasis. In *General physiology and biophysics*, 2009, vol.

28, focus iss., p. 89-95. (0.697 - IF2008). (2009 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] AMARAL, Leonard - SPENGLER, Gabriella - MARTINS, Ana - ARMADA, Ana - HANDZLIK, Jadwiga - KIEC-KONONOWICZ, Katarzyna - MOLNAR, Joseph. Inhibitors of Bacterial Efflux Pumps that also Inhibit Efflux Pumps of Cancer Cells. In ANTICANCER RESEARCH. ISSN 0250-7005, 2012, vol. 32, no. 7, pp. 2947., WOS

[1.1] DAS, Sonia G. - HERMANSON, David L. - BLEEKER, Nicholas - LOWMAN, Xazmin - LI, Yunfang - KELEKAR, Ameeta - XING, Chengguo. Ethyl

2-Amino-6-(3,5-dimethoxyphenyl)-4-(2-ethoxy-2-oxoethyl)-4H-chromene-3-carboxylate (CXL017): A Novel Scaffold That Resensitizes Multidrug Resistant Leukemia Cells to Chemotherapy. In ACS CHEMICAL BIOLOGY. ISSN 1554-8929, 2013, vol. 8, no. 2, pp. 327-335., WOS

[1.1] LIU, Chichao - LECLAIR, Pascal - YAP, Shyongquin - LIM, Chintenjames. The membrane-proximal kxgffkr motif of α -integrin mediates chemoresistance. In Molecular and Cellular Biology. ISSN 02707306, 2013-10-25, 33, 21, pp. 4334-4345., WOS

[1.1] LUO, Liang - SUN, Yin-Jian - YANG, Lin - HUANG, Shile - WU, Yi-Jun. Avermectin induces P-glycoprotein expression in S2 cells via the calcium/calmodulin/NF-kappa B pathway. In CHEMICO-BIOLOGICAL INTERACTIONS. ISSN 0009-2797, 2013, vol. 203, no. 2, pp. 430-439., WOS

[1.1] MADDALENA, F. - LAUDIERO, G. - PISCAZZI, A. - SECONDO, A. - SCORZIELLO, A. - LOMBARDI, V. - MATASSA, D.S. - FERSINI, A. - NERI, V. - ESPOSITO, F. - LANDRISCINA, M. Sorcin Induces a Drug-Resistant Phenotype in Human Colorectal Cancer by Modulating Ca²⁺ Homeostasis. In CANCER RESEARCH. ISSN 0008-5472, DEC 15 2011, vol. 71, no. 24, p. 7659-7669., WOS

[1.1] RUMJANEK, Vivian M. - VIDAL, Raphael S. - MAIA, Raquel C. Multidrug resistance in chronic myeloid leukaemia: how much can we learn from MDR-CML cell lines? In BIOSCIENCE REPORTS. ISSN 0144-8463, 2013, vol. 33, no., pp. 875-888., WOS

[1.1] YAMAGISHI, Nobuyuki - NAKAO, Ryota - KONDO, Rumi - NISHITSUJI, Mai - SAITO, Youhei - KUGA, Takahisa - HATAYAMA, Takumi - NAKAYAMA, Yuji. Increased expression of sorcin is associated with multidrug resistance in leukemia cells via up-regulation of MDR1 expression through cAMP response element-binding protein. In BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS. ISSN 0006-291X, 2014, vol. 448, no. 4, pp. 430., WOS

[1.2] BLEEKER, Nicholas P. - CORNEA, Razvan L L. - THOMAS, David D D. - XING, Chengguo. A novel SERCA inhibitor demonstrates synergy with classic SERCA inhibitors and targets multidrug-resistant AML. In Molecular Pharmaceutics. ISSN 15438384, 2013-11-04, 10, 11, pp. 4358-4366., SCOPUS

[1.2] YOUNG, G. - REUSS, L. - ALTENBERG, GA. In INTERNATIONAL JOURNAL OF BIOCHEMISTRY AND MOLECULAR BIOLOGY, 2011, vol. 2, p. 219-227, SCOPUS

[1.2] ZHANG, Xin - HWANG, Jiyoung - JIA, Xian - SHIN, Dongsoo - YOU, Song - KIM, Dongkyoo. A novel trifluoromethyl benzopyran induces G1

cell cycle arrest and apoptosis in HeLa human cervical carcinoma cells. In *International Journal of Oncology*. ISSN 10196439, 2013-08-01, 43, 2, pp. 469-476., SCOPUS

[3] MATASSA, D.S. - AMOROSO, M.R. - MADDALENA, F. - LANDRISCINA, M. - ESPOSITO, F. New insights into TRAP1 pathway. In *American Journal Cancer Research*, 2012, vol. 2, no.2, p. 235-248, <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3304566/>

ADDA64 TARABOVÁ, Bohumila - NOVÁKOVÁ, Mária - LACINOVÁ, Ľubica. Haloperidol moderately inhibits cardiovascular L-type calcium current. In *General physiology and biophysics*, 2009, vol. 28, p. 249-259. (0.697 - IF2008). (2009 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] LOCATELLI, Alessandra - COSCONATI, Sandro - MICUCCI, Matteo - LEONI, Alberto - MARINELLI, Luciana - BEDINI, Andrea - IOAN, Pierfranco - SPAMPINATO, Santi Mario - NOVELLINO, Ettore - CHIARINI, Alberto - BUDRIESI, Roberta. Ligand Based Approach to L-Type Calcium Channel by Imidazo[2,1-b]thiazole-1,4-Dihydropyridines: from Heart Activity to Brain Affinity. In *JOURNAL OF MEDICINAL CHEMISTRY*. ISSN 0022-2623, 2013, vol. 56, no. 10, pp. 3866., WOS

[1.2] HUANG, Zhan Qin - HAN, Sha Sha - LI, Jin Yu - ZHENG, Yan Shan - LIU, Xing Ping - GAO, Fen Fei - ZHANG, Yan Mei - SHI, Gang Gang. Effect and mechanism of N-n-butyl haloperidol iodide on the proliferation of rat vascular smooth muscle cells induced by mechanical injury. In *Chinese Pharmacological Bulletin*. ISSN 10011978, 2012-08-01, 28, 8, pp. 1115-1119., SCOPUS

ADDA65 ZAHRADNÍKOVÁ, Alexandra - ZAHRADNÍK, Ivan. Interaction of diltiazem with single L-type calcium channels in guinea-pig ventricular myocytes. In *General physiology and biophysics : international journal*, 1992, vol. 11, p. 535-543. (1992 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.2] CATALDI, Mauro. Diltiazem. In *xPharm: The Comprehensive Pharmacology Reference*, 2011-12-01, pp. 1-32., SCOPUS

[1.2] CATALDI, M. Diltiazem. In *Reference Module in Biomedical Research*, 2014-12-15, pp., SCOPUS

ADDA66 ZACHAROVÁ, Darina - HENČEK, Michal - PAVELKOVÁ, Jana - LIPSKÁ, Elena. The effect of Pb²⁺ ions on calcium currents and contractility in single muscle fibres of the crayfish. In *General physiology and biophysics : international journal*, 1993, vol. 12, p. 183-198. (0.573 - IF1992). (1993 - Current Contents, WOS, SCOPUS). ISSN 0231-5882.

Ohlasy:

[1.1] GALLO, A. - SILVESTRE, F. - CUOMO, A. - PAPOFF, F. - TOSTI, E. The impact of metals on the reproductive mechanisms of the ascidian *Ciona intestinalis*. In *MARINE ECOLOGY-AN EVOLUTIONARY PERSPECTIVE*. ISSN 0173-9565, JUN 2011, vol. 32, no. 2, p. 222-231., WOS

[1.1] RICE, C. - GHORAI, J.K. - ZALEWSKI, K. - WEBER, D.N. Developmental lead exposure causes startle response deficits in zebrafish. In

- ADDA67 ZIEGELHÖFFER, Attila - KJELDSSEN, K - BUNDGAARD, H. - BREIER, Albert - VRBJAR, Norbert - DŽURBA, Andrej. Na,K-ATPase in the myocardium: Molecular principles, functional and clinical aspects. In *General physiology and biophysics*, 2000, vol. 19, iss. 1, p. 9-47. (0.400 - IF1999). (2000 - Current Contents). ISSN 0231-5882.
- Ohlasy:
- [1.1] KOMNISKI, Milena Segato - YAKUSHEV, Sergej - BOGDANOV, Nikolai - GASSMANN, Max - BOGDANOVA, Anna. Interventricular heterogeneity in rat heart responses to hypoxia: the tuning of glucose metabolism, ion gradients, and function. In *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*, 2011, vol.300, no.5, h1645., WOS
- [1.1] OBRADOVIC, Milan - BJELOGRLIC, Predrag - RIZZO, Manfredi - KATSIKI, Niki - HAIDARA, Mohamed - STEWART, Alan J. - JOVANOVIC, Aleksandra - ISENOVIC, Esma R. Effects of obesity and estradiol on Na⁺/K⁺-ATPase and their relevance to cardiovascular diseases. In *JOURNAL OF ENDOCRINOLOGY*. ISSN 0022-0795, 2013, vol. 218, no. 3, pp. R13., WOS
- [1.1] SHARMA, Himanshu - PATHAN, Rahila Ahmad - KUMAR, Vinay - JAVED, Saleem - BHANDARI, Uma. Anti-apoptotic potential of rosuvastatin pretreatment in murine model of cardiomyopathy. In *INTERNATIONAL JOURNAL OF CARDIOLOGY*, 2011, vol.150, no.2, 193., WOS
- [1.1] YAKUSHEV, Sergej - BAND, Mark - VAN PATOT, Martha C. Tissot - GASSMANN, Max - AVIVI, Aaron - BOGDANOVA, Anna. Cross talk between S-nitrosylation and S-glutathionylation in control of the Na,K-ATPase regulation in hypoxic heart. In *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*. ISSN 0363-6135, 2012, vol. 303, no. 11, pp. H1332., WOS
- ADDA68 ZIEGLER, Waldemar - GABURJÁKOVÁ, Marta - GABURJÁKOVÁ, Jana - TVAROZEK, V. - HIANIK, T. Agar-supported bilayer lipid membranes (as-BLM): A new membrane concept for future biosensor applications. In *BIOLOGIA*, 1996, vol. 51, issue 6, p. 683-687. ISSN 0006-3088.
- Ohlasy:
- [1.1] ZHU, Zai-Wen - WANG, Yang - ZHANG, Xuan - SUN, Chun-Feng - LI, Mian-Gang - YAN, Jia-Wei - MAO, Bing-Wei. Electrochemical Impedance Spectroscopy and Atomic Force Microscopic Studies of Electrical and Mechanical Properties of Nano-Black Lipid Membranes and Size Dependence. In *LANGMUIR*. ISSN 0743-7463, 2012, vol. 28, no. 41, pp. 14739., WOS
- ADDA69 ZMETAKOVA, I. - FERÁK, Vladimír - MINÁRIK, G. - FICEK, Andrej - POLÁKOVÁ, Helena - FERÁKOVÁ, E. - KÁDAŠI, Ľudevít. Identification of the deletions in the UGT1A1 gene of the patients with Crigler-Najjar syndrome type I from Slovakia. In *General physiology and biophysics : an international journal*, 2007, vol. 26, no. 4, p. 306-310. (0.771 - IF2006). (2007 - Current Contents). ISSN 0231-5882.

Ohlasy:

[1.1] CANU, Giulia - MINUCCI, Angelo - ZUPPI, Cecilia - CAPOLUONGO, Ettore. Gilbert and Crigler Najjar syndromes: An update of the UDP-glucuronosyltransferase 1A1 (UGT1A1) gene mutation database. In BLOOD CELLS MOLECULES AND DISEASES. ISSN 1079-9796, 2013, vol. 50, no. 4, pp. 273., WOS

ADEA Scientific papers in other foreign journals not registered in Current Contents

Connect with IF (impacted)

ADEA01 PATTERSON-BUCKENDAHL, P. E. - POHORECKÝ, L. - KUBOVČÁKOVÁ, Lucia - KRIŽANOVÁ, Oľga - MARTIN, R.B. - MARTINEZ, A. - KVETŇANSKÝ, Richard. Ethanol and stress activate catecholamine synthesis in the adrenal: Effects on bone. In *Annals of the New York Academy of Sciences*, 2008, vol. 1148, p. 542-551. (1.731 - IF2007). (2008 - Current Contents). ISSN 0077-8923.

Ohlasy:

[1.1] Fitzgerald, P.J. Neurodrinking: Is alcohol a substrate in a novel, endogenous synthetic pathway for norepinephrine? *Medical Hypotheses*, 78(6): 760-762, 2012, WOS

[1.1] Milena, F., Francesca, S., Francesca, V., Paola, T., Andrea, N., Stefano, B., Angelo, C., Gianluca, G. Role of obesity, alcohol and smoking on bone health. *Frontiers in Bioscience – Elite*, 4E(7): 2586-2606, 2012, WOS

ADEA02 TOMÁŠKOVÁ, Zuzana - BERTO VÁ, Anna - ONDRIAŠ, Karol. On the Involvement of H2S in Nitroso Signaling and Other Mechanisms of H2S Action. In *Current Pharmaceutical Biotechnology*, 2011, vol. 12, p. 1394-1405. (3.455 - IF2010). ISSN 1389-2010.

Ohlasy:

[1.1] HAMAR, J. - SOLYMAR, M. - TANAI, E. - CSEPLO, P. - SPRINGO, Zs - BERTA, G. - DEBRECENI, B. - KOLLER, A. Bioassay-comparison of the antioxidant efficacy of hydrogen sulfide and superoxide dismutase in isolated arteries and veins. In *ACTA PHYSIOLOGICA HUNGARICA*. ISSN 0231-424X, 2012, vol. 99, no. 4, pp. 411., WOS

[1.1] KABIL, Omer - MOTL, Nicole - BANERJEE, Ruma. H2S and its role in redox signaling. In *BIOCHIMICA ET BIOPHYSICA ACTA-PROTEINS AND PROTEOMICS*. ISSN 1570-9639, 2014, vol. 1844, no. 8, pp. 1355., WOS

[1.1] KABIL, Omer - VITVITSKY, Victor - BANERJEE, Ruma - COUSINS, RJ. Sulfur as a Signaling Nutrient Through Hydrogen Sulfide. In *ANNUAL REVIEW OF NUTRITION*, VOL 34. ISSN 0199-9885, 2014, vol. 34, no., pp. 171., WOS

[1.1] LI, Qian - LANCASTER, Jack R. Chemical foundations of hydrogen sulfide biology. In *NITRIC OXIDE-BIOLOGY AND CHEMISTRY*. ISSN 1089-8603, 2013, vol. 35, no., pp. 21., WOS

[1.2] Lo Faro, M L - Fox, B - Whatmore, J L - Winyard, P G - Whiteman M. Hydrogen sulfide and nitric oxide interactions in inflammation. In *Nitric Oxide - Biology and Chemistry*. ISSN 1089-8603, 2014, vol. 41, pp. 38-47, SCOPUS

[1.2] WHITEMAN, M. - LE TRIONNAIRE, SL. - CHOPRA, M. - FOX, B. - WHATMORE, J. Emerging role of hydrogen sulfide in health and disease: Critical appraisal of biomarkers and pharmacological tools. In *CLINICAL SCIENCE*. 2011, vol. 121, no. 11, p. 459-488, SCOPUS

**ADEB Scientific papers in other foreign journals not registered in Current Contents
Connect without IF (non-impacted)**

ADEB01 BARANČÍK, Miroslav - POLEKOVA, L. - MRÁZOVÁ, T. - BREIER, Albert - STANKOVIČOVÁ, Tatiana - SLEZÁK, Ján. Reversal effects of several CA2+-entry blockers, neuroleptics and local-anesthetics on P-glycoprotein-mediated vincristine resistance of L1210/VCR mouse leukemic-cell line. In *Drugs under Experimental and Clinical Research*, 1994, vol. 20, iss. 1, p. 13-18. ISSN 0378-6501.

Ohlasy:

[1.1] LIRK, P. - HOLLMANN, M. W. - FLEISCHER, M. - WEBER, N. C. - FIEGL, H. Lidocaine and ropivacaine, but not bupivacaine, demethylate deoxyribonucleic acid in breast cancer cells in vitro. In *BRITISH JOURNAL OF ANAESTHESIA*. ISSN 0007-0912, 2014, vol. 113, no., pp. 32-38., WOS

[1.1] PAN, Yongmei - CHOTHE, Paresh P. - SWAAN, Peter W. Identification of Novel Breast Cancer Resistance Protein (BCRP) Inhibitors by Virtual Screening. In *MOLECULAR PHARMACEUTICS*. ISSN 1543-8384, 2013, vol. 10, no. 4, pp. 1236., WOS

ADEB02 KRAČUNOVÁ, K. - KOVAČOVICOVÁ, M. - BALDOVIČ, Marián - VALKOVIČ, Peter - KÁDAŠI, Ľudevít - BENETIN, Ján. Výskyt mutácií v géne Leucine rich repeat kinase 2 u pacientov s Parkinsonovou chorobou na Slovensku = The Incidence of Mutation on the Leucine-rich Repeat Kinase 2 Gene in Patients with Parkinson's Disease in Slovakia. In *Československá neurologie a neurochirurgie*, 2011, vol. 74/107, no. 4, p. 443-445. ISSN 0301-0597.

Ohlasy:

[1.1] MENSIKOVA, K. - KANOVSKY, P. - KAISEROVA, M. - NESTRASIL, I. - BARES, M. The Changing Face of Parkinsonian Neurodegeneration. In *CESKA A SLOVENSKA NEUROLOGIE A NEUROCHIRURGIE*. ISSN 1210-7859, 2013, vol. 76, no. 1, p. 26-34., WOS

**ADFB Scientific papers in other domestic journals not registered in Current Contents
Connect without IF (non-impacted)**

ADFB01 KISS, Alexander - JURKOVIČOVÁ, Dana - JEŽOVÁ, Daniela - KRIŽANOVÁ, Oľga. Changes in angiotensin AT1 receptor mRNA levels in the rat brain after immobilization stress and inhibition of central nitric oxide synthase. In *Endocrine Regulations*, 2001, vol. 35, no. 2, p. 65-70. ISSN 1210-0668.

Ohlasy:

[1.2] TAN, J.J. - ONG, S.A. - CHEN, K.-S. Rasd1 interacts with Ear2 (Nr2f6) to regulate renin transcription. In *BMC Molecular Biology*, 2011, vol.12., SCOPUS

[1.2] UFNAL, M. - SIKORA, M. The role of brain gaseous transmitters in the regulation of the circulatory system. In *Current Pharmaceutical Biotechnology*, 2011, vol.12, no.9, 1322-1333., SCOPUS

ADFB02 MIČUTKOVÁ, L. - KISS, Alexander - FILIPENKO, M. - RYCHKOVÁ, N. - KRIŽANOVÁ, Oľga - PALKOVITS, M. - KVETŇANSKÝ, Richard. Gene expression of catecholamine synthesizing enzymes in A5 cell group and modulation of tyrosine hydroxylase mRNA by immobilization stress. In *Endocrine Regulations*, 2001, vol. 35, p. 195-200. ISSN 1210-0668.

Ohlasy:

[1.2] Zeybekolu, G., Kiliç, N., Yildirim, Z., Özer, Ç., Babül, A. Si(dotless)çan karaciğerinde leptinin antioksidan sistemlere etkisi [Effects of leptin in rat liver antioxidant systems]. Turkish Journal of Biochemistry, 37(4): 452-456, 2012, SCOPUS

ADMA Scientific papers in foreign impacted journals registered in Web of Sciences or Scopus

ADMA01 BREIER, Albert - GIBALOVÁ, Lenka - ŠEREŠ, Mário - BARANČÍK, Miroslav - SULOVÁ, Zdena. New Insight into P-Glycoprotein as a Drug Target. In *Anti-cancer Agents in Medicinal Chemistry*, 2013, vol.13, no. 1., p. 159-170. (2.610 - IF2012). ISSN 1871-5206. APVV-0084-07, APVV-0290-10, VVCE-0064-07; VEGA 2/0123/10, 2/0155/09; CEMAN.

Ohlasy:

[1.1] BAILLY, Christian - LABARRE, S - KORNPROBST, JM. Lamellarins: A Tribe of Bioactive Marine Natural Products. In *OUTSTANDING MARINE MOLECULES: CHEMISTRY, BIOLOGY, ANALYSIS*, 2014, vol., no., pp. 377., WOS

[1.1] BAZZOCCHI, I. L. - CALLIES, O. - SANCHEZ-CANETE, M. P. - JIMENEZ, I. A. - GAMARRO, F. - CASTANYS, S. Facing a still unsolved problem: Dihydro-beta-agarofuran sesquiterpenes from *Celastrus vulcanicola* as multidrug resistance reversal agents. In *PLANTA MEDICA*. ISSN 0032-0943, 2014, vol. 80, no. 16, pp. 1436., WOS

[1.1] CALLAGHAN, Richard - LUK, Frederick - BEBAWY, Mary. Inhibition of the Multidrug Resistance P-Glycoprotein: Time for a Change of Strategy? In *DRUG METABOLISM AND DISPOSITION*. ISSN 0090-9556, 2014, vol. 42, no. 4, pp. 623., WOS

[1.1] CAO, Weiguo - YANG, Weiping - FAN, Rong - LI, Hao - JIANG, Jinsong - GENG, Mei - JIN, Yening - WU, Yunlin. miR-34a regulates cisplatin-induce gastric cancer cell death by modulating PI3K/AKT/survivin pathway. In *TUMOR BIOLOGY*. ISSN 1010-4283, 2014, vol. 35, no. 2, pp. 1287., WOS

[1.1] CLAY, Adam T. - SHAROM, Frances J. - YOU, G - MORRIS, ME. MULTIDRUG RESISTANCE PROTEIN: P-GLYCOPROTEIN. In *DRUG TRANSPORTERS: MOLECULAR CHARACTERIZATION AND ROLE IN DRUG DISPOSITION, 2ND EDITION*, 2014, vol., no., pp. 141., WOS

[1.1] DE GUADALUPE CHAVEZ-LOPEZ, Maria - HERNANDEZ-GALLEGOS, Elizabeth - VAZQUEZ-SANCHEZ, Alma Y. - GARIGLIO, Patricio - CAMACHO, Javier. Antiproliferative and Proapoptotic Effects of Astemizole on Cervical Cancer Cells. In *INTERNATIONAL JOURNAL OF GYNECOLOGICAL CANCER*. ISSN 1048-891X, 2014, vol. 24, no. 5, pp. 824., WOS

[1.1] DOERING, Barbara - PETZINGER, Ernst. Phase 0 and phase III transport in various organs: Combined concept of phases in xenobiotic transport and metabolism. In *DRUG METABOLISM REVIEWS*. ISSN 0360-2532, 2014, vol. 46, no. 3, pp. 261., WOS

[1.1] FYHRQUIST, P. - VIRJAMO, V. - JULKUNEN-TIITTO, R. An alkaloid of Norway spruce (*Picea abies*) possesses powerful antibacterial and antifungal potential. In *PLANTA MEDICA*. ISSN 0032-0943, 2014, vol. 80, no. 16, pp. 1436., WOS

- [1.1] GADHE, Changdev G. - KOTHANDAN, Gagan - CHO, Seung Joo. In Silico Study of Desmosmumotin as an Anticancer Agent: Homology Modeling, Docking and Molecular Dynamics Simulation Approach. In ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY. ISSN 1871-5206, 2013, vol. 13, no. 10, pp. 1636., WOS
- [1.1] GEISLER, Markus - GEISLER, M. It Takes More Than Two to Tango: Regulation of Plant ABC Transporters. In PLANT ABC TRANSPORTERS. ISSN 1867-9048, 2014, vol., no., pp. 241., WOS
- [1.1] HOFFMANN, Else K. - LAMBERT, Ian H. Ion channels and transporters in the development of drug resistance in cancer cells. In PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES. ISSN 0962-8436, 2014, vol. 369, no. 1638, pp., WOS
- [1.1] CHEN, L. - ZHAO, Y. - HALLIDAY, G. C. - BERRY, P. - ROUSSEAU, R. F. - MIDDLETON, S. A. - NICHOLS, G. L. - DEL BELLO, F. - PIERGENTILI, A. - NEWELL, D. R. - LUNEC, J. - TWEDDLE, D. A. Structurally diverse MDM2-p53 antagonists act as modulators of MDR-1 function in neuroblastoma. In BRITISH JOURNAL OF CANCER. ISSN 0007-0920, 2014, vol. 111, no. 4, pp. 716., WOS
- [1.1] JAIN, Sumit - RATHOD, Vijay - PRAJAPATI, Rameshwar - NANDEKAR, Prajwal P. - SANGAMWAR, Abhay T. Pregnane X Receptor and P-glycoprotein: a connexion for Alzheimer's disease management. In MOLECULAR DIVERSITY. ISSN 1381-1991, 2014, vol. 18, no. 4, pp. 895., WOS
- [1.1] JIAO, Lei - QIU, Qianqian - LIU, Baomin - ZHAO, Tianxiao - HUANG, Wenlong - QIAN, Hai. Design, synthesis and evaluation of novel triazole core based P-glycoprotein-mediated multidrug resistance reversal agents. In BIOORGANIC & MEDICINAL CHEMISTRY. ISSN 0968-0896, 2014, vol. 22, no. 24, pp. 6857., WOS
- [1.1] JIN, Lixu - HUO, Yi - ZHENG, Zhiguo - JIANG, Xiaoyong - DENG, Haiyun - CHEN, Yuling - LIAN, Qingquan - GE, Renshan - DENG, Haiteng. Down-regulation of Ras-related Protein Rab 5C-dependent Endocytosis and Glycolysis in Cisplatin-resistant Ovarian Cancer Cell Lines. In MOLECULAR & CELLULAR PROTEOMICS. ISSN 1535-9476, 2014, vol. 13, no. 11, pp. 3138., WOS
- [1.1] KRASZNAI, Zoárd T. - TRENCSENYI, György - KRASZNAI, Zoltan - MIKECZ, Pal - NIZSALOCZKI, Eniko - SZALOKI, Gabor - SZABO, Judit P. - BALKAY, László - MARIAN, Terez - GODA, Katalin. (18)FDG a PET tumor diagnostic tracer is not a substrate of the ABC transporter P-glycoprotein. In EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES. ISSN 0928-0987, 2014, vol. 64, no., pp. 1., WOS
- [1.1] KUMAR, Rajesh - KAUR, Maninder - SILAKARI, Om. Physiological Modulation Approaches to Improve Cancer Chemotherapy: A Review. In ANTI-CANCER AGENTS IN MEDICINAL CHEMISTRY. ISSN 1871-5206, 2014, vol. 14, no. 5, pp. 713., WOS
- [1.1] MARTIN-BROTO, Javier - GUTIERREZ, Antonio M. - RAMOS, Rafael F. - LOPEZ-GUERRERO, Jose A. - FERRARI, Stefano - STACCHIOTTI, Silvia - PICCI, Piero - CALABUIG, Silvia - COLLINI, Paola - GAMBAROTTI, Marco - BAGUE, Silvia - DEI TOS, Angelo P. - PALASSINI, Elena - LUNA, Pablo - CRUZ, Josefina - CUBEDO, Ricardo -

- MARTINEZ-TRUFERO, Javier - POVEDA, Andres - CASALI, Paolo G. - FERNANDEZ-SERRA, Antonio - LOPEZ-POUSA, Antonio - GRONCHI, Alessandro. MRP1 Overexpression Determines Poor Prognosis in Prospectively Treated Patients with Localized High-Risk Soft Tissue Sarcoma of Limbs and Trunk Wall: An ISG/GEIS Study. In MOLECULAR CANCER THERAPEUTICS. ISSN 1535-7163, 2014, vol. 13, no. 1, pp. 249., WOS
- [1.1] RUMJANEK, Vivian M. - VIDAL, Raphael S. - MAIA, Raquel C. Multidrug resistance in chronic myeloid leukaemia: how much can we learn from MDR-CML cell lines? In BIOSCIENCE REPORTS. ISSN 0144-8463, 2013, vol. 33, no., pp. 875., WOS
- [1.1] SU, Jianyu - LAI, Haoqiang - CHEN, Jianping - LI, Lin - WONG, Yum-Shing - CHEN, Tianfeng - LI, Xiaoling. Natural Borneol, a Monoterpenoid Compound, Potentiates Selenocystine-Induced Apoptosis in Human Hepatocellular Carcinoma Cells by Enhancement of Cellular Uptake and Activation of ROS-Mediated DNA Damage. In PLOS ONE. ISSN 1932-6203, 2013, vol. 8, no. 6, pp., WOS
- [1.1] TRENCSENYI, Gyoergy - MARIAN, Terez - LAJTOS, Imre - KRASZNAI, Zoltan - BALKAY, Laszlo - EMRI, Miklos - MIKECZ, Pal - GODA, Katalin - SZALOKI, Gabor - JUHASZ, Istvan - NEMETH, Eniko - MIKLOVICZ, Tuende - SZABO, Gabor - KRASZNAI, Zoard T. (18)FDG, [F-18]FLT, [F-18]FAZA, and C-11-Methionine Are Suitable Tracers for the Diagnosis and In Vivo Follow-Up of the Efficacy of Chemotherapy by miniPET in Both Multidrug Resistant and Sensitive Human Gynecologic Tumor Xenografts. In BIOMED RESEARCH INTERNATIONAL. ISSN 2314-6133, 2014, vol., no., pp., WOS
- [1.1] WANG, Sheng-Fan - CHOU, Yueh-Ching - MAZUMDER, Nirmal - KAO, Fu-Jen - NAGY, Leslie D. - GUENGERICH, F. Peter - HUANG, Cheng - LEE, Hsin-Chen - LAI, Ping-Shan - UENG, Yune-Fang. 7-Ketocholesterol induces P-glycoprotein through PI3K/mTOR signaling in hepatoma cells. In BIOCHEMICAL PHARMACOLOGY. ISSN 0006-2952, 2013, vol. 86, no. 4, pp. 548., WOS
- [1.1] XIA, Hongping - HUI, Kam M. Mechanism of Cancer Drug Resistance and the Involvement of Noncoding RNAs. In CURRENT MEDICINAL CHEMISTRY. ISSN 0929-8673, 2014, vol. 21, no. 26, pp. 3029., WOS
- [1.1] ZIOMEK, Gabriela - ZANJANI, Parisa Cheraghi - ARMAN, Darian - VAN BREEMEN, Cornelis - ESFANDIAREI, Mitra. Calcium regulation in aortic smooth muscle cells during the initial phase of tunicamycin-induced endo/sarcoplasmic reticulum stress. In EUROPEAN JOURNAL OF PHARMACOLOGY. ISSN 0014-2999, 2014, vol. 735, no., pp. 86., WOS
- [1.2] LIU, Hongyi - LI, Peng - LI, Bing - SUN, Peng - ZHANG, Jiajin - WANG, Baishi - JIA, Baoqing. RKIP promotes cisplatin-induced gastric cancer cell death through NF- κ B/Snail pathway. In Tumor Biology. ISSN 10104283, 2014-12-30, 36, 3, pp. 1445-1453., SCOPUS
- [1.2] MA, Qiang - CHANG, Zong Hong - DENG, Shang Xin - WANG, Wei - WANG, Biao Meng. Effect of autophagy on reversing multidrug resistance of phenylpropanoid glycosides. In Chinese Traditional and Herbal Drugs. ISSN 02532670, 2014-01-01, 45, 2, pp. 238-243., SCOPUS
- [1.2] REBUCCI, Magali - MICHIELS, Carine. Molecular aspects of cancer cell resistance to chemotherapy. In Biochemical Pharmacology. ISSN 00062952, 2013-05-01, 85, 9, pp. 1219-1226., SCOPUS

[1.2] SARBINI, Shahrul R. - NAYAN, M. N. - CHIK, W. W D - RADZI, M. M N - AKBAR, Rizky Januar - JUSOH, Siti Azma. Molecular docking studies of a quassinoid and P-glycoprotein. In IEEE Symposium on Computers and Informatics, ISCI 2013, 2013-01-01, pp. 138-142., SCOPUS

ADMA02 CELEC, Peter - TRETINÁROVÁ, D. - MINÁRIK, G. - FICEK, Andrej - SZEMES, Tomáš - LAKATOŠOVÁ, Silvia - SCHMIDTOVÁ, Eva - TURŇA, Ján - KÁDAŠI, Ľudevít. Genetic Polymorphisms Related to Testosterone Metabolism in Intellectually Gifted Boys. In *PLoS ONE*, 2013, vol. 8., iss. 1, e54751. (3.730 - IF2012). (2013 - MEDLINE). ISSN 1932-6203. ITMS 26240120023.

Ohlasy:

[1.2] WANG, Dan - CAI, Hao - YU, Long. Investigation of optimum concentrations of betaine for improving the resolution of sequencing G-C rich dna with trinucleotide repeats. In Chinese Journal of Medical Genetics. ISSN 10039406, 2014-04-10, 31, 2, pp. 163-169., SCOPUS

[1.2] ZETTERGREN, Anna - JÖNSSON, Lina - JOHANSSON, Daniel J A - MELKE, Jonas - LUNDSTRÖM, Sebastian - ANCKARSÄTER, Henrik Söderström - LICHTENSTEIN, Paul S. - WESTBERG, Lars. Associations between polymorphisms in sex steroid related genes and autistic-like traits. In Psychoneuroendocrinology. ISSN 03064530, 2013-11-01, 38, 11, pp. 2575-2584., SCOPUS

ADMA03 JANÍČEK, Radoslav - HOŤKA, Matej - ZAHRADNÍKOVÁ, Alexandra, ml. - ZAHRADNÍKOVÁ, Alexandra - ZAHRADNÍK, Ivan. Quantitative Analysis of Calcium Spikes in Noisy Fluorescent Background. In *PLoS ONE*, 2013, vol. 8., iss. 5, e64394. (3.730 - IF2012). (2013 - MEDLINE). ISSN 1932-6203. VEGA 2/0917/11, 2/0203/11, APVV-0721-10.

Ohlasy:

[1.1] TAYLOR, Mark S. - FRANCIS, Michael. Decoding dynamic Ca²⁺ signaling in the vascular endothelium. In FRONTIERS IN PHYSIOLOGY. ISSN 1664-042X, 2014, vol. 5, no., pp., WOS

[1.2] PHAM, Tuan D. - ICHIKAWA, Kazuhisa. Spatial chaos and complexity in the intracellular space of cancer and normal cells. In Theoretical Biology and Medical Modelling, 2013-10-28, 10, 1, pp., SCOPUS

[1.2] RUSSO, Giulia - SPINELLA, Salvatore - SCIACCA, Eva - BONFANTE, Paola Fasolo - GENRE, Andrea. Automated analysis of calcium spiking profiles with CaSA software: Two case studies from root-microbe symbioses. In BMC Plant Biology, 2013-12-26, 13, 1, pp., SCOPUS

ADMA04 MOORJANI, Priya - PATTERSON, Nick - LOH, Po-Ru - LIPSON, H. - KISFALI, Peter - MELEGH, B. - BONIN, Michael - KÁDAŠI, Ľudevít - RIEB, Olaf - BERGER, Bonnie - REICH, David - MELEGH, B. Reconstructing Roma History from Genome-Wide Data. In *PLoS ONE*, 2013, vol. 8., iss. 3, p. e58633. (3.730 - IF2012). (2013 - MEDLINE). ISSN 1932-6203. OTKA 73430, K 103983, U.S. NSF HOMINID 1032255, GM100233 grants.

Ohlasy:

[1.1] CARMI, Shai - WILTON, Peter R. - WAKELEY, John - PE&APOS;ER, Itsik. A renewal theory approach to IBD sharing. In THEORETICAL POPULATION BIOLOGY. ISSN 0040-5809, 2014, vol. 97, no., pp. 35., WOS

- [1.1] GOMEZ-CARBALLA, Alberto - PARDO-SECO, Jacobo - FACHAL, Laura - VEGA, Ana - CEBEY, Miriam - MARTINON-TORRES, Nazareth - MARTINON-TORRES, Federico - SALAS, Antonio. Indian Signatures in the Westernmost Edge of the European Romani Diaspora: New Insight from Mitogenomes. In PLOS ONE. ISSN 1932-6203, 2013, vol. 8, no. 10, pp., WOS
- [1.1] MENDIZABAL, Isabel - LAO, Oscar - MARIGORTA, Urko M. - KAYSER, Manfred - COMAS, David. Implications of Population History of European Romani on Genetic Susceptibility to Disease. In HUMAN HEREDITY. ISSN 0001-5652, 2013, vol. 76, no. 3-4, pp. 194., WOS

ADMB Scientific papers in foreign non-impacted journals registered in Web of Sciences or Scopus

ADMB01 CORTESE-KROTT, Miriam M. - FERNANDEZ, Bernadette O. - SANTOS, José L. T. - MERGIA, Evanthia - GRMAN, Marián - NAGY, Péter - KELM, Malte - BUTLER, Anthony - FEELISCH, Martin. Nitrosopersulfide (SSNO-) accounts for sustained NO bioactivity of S-nitrosothiols following reaction with sulfide. In *Redox Biology*, 2014, vol. 2 no., p. 234-244. ISSN 2213-2317. COST BM1005, PIRG08-GA-2010-277006.

Ohlasy:

[1.1] IVANOVA, Lena V. - ANTON, Becka J. - TIMERGHAZIN, Qadir K. On the possible biological relevance of HSNO isomers: a computational investigation. In PHYSICAL CHEMISTRY CHEMICAL PHYSICS. ISSN 1463-9076, 2014, vol. 16, no. 18, pp. 8476., WOS

[1.1] KIMURA, Hideo. Hydrogen Sulfide and Polysulfides as Biological Mediators. In MOLECULES. ISSN 1420-3049, 2014, vol. 19, no. 10, pp. 16146., WOS

[1.1] LE TRIONNAIRE, Sophie - PERRY, Alexis - SZCZESNY, Bartosz - SZABO, Csaba - WINYARD, Paul G. - WHATMORE, Jacqueline L. - WOOD, Mark E. - WHITEMAN, Matthew. The synthesis and functional evaluation of a mitochondria-targeted hydrogen sulfide donor, (10-oxo-10-(4-(3-thioxo-3H-1,2-dithiol-5-yl)phenoxy)decyl)triphenylphosphonium bromide (AP39). In MEDCHEMCOMM. ISSN 2040-2503, 2014, vol. 5, no. 6, pp. 728., WOS

[1.1] LO FARO, Maria Letizia - FOX, Bridget - WHATMORE, Jacqueline L. - WINYARD, Paul G. - WHITEMAN, Matthew. Hydrogen sulfide and nitric oxide interactions in inflammation. In NITRIC OXIDE-BIOLOGY AND CHEMISTRY. ISSN 1089-8603, 2014, vol. 41, no., pp. 38., WOS

[1.1] TERZIC, V. - PADOVANI, D. - BALLAND, V. - ARTAUD, I. - GALARDON, E. Electrophilic sulphydration of 8-nitro-cGMP involves sulfane sulfur. In ORGANIC & BIOMOLECULAR CHEMISTRY. ISSN 1477-0520, 2014, vol. 12, no. 29, pp. 5360., WOS

[1.1] WEDMANN, Rudolf - BERTLEIN, Sarah - MACINKOVIC, Igor - BOELTZ, Sebastian - MILJKOVIC, Jan Lj. - MUNOZ, Luis E. - HERRMANN, Martin - FILIPOVIC, Milos R. Working with "H₂S": Facts and apparent artifacts. In NITRIC OXIDE-BIOLOGY AND CHEMISTRY. ISSN 1089-8603, 2014, vol. 41, no., pp. 85., WOS

[1.1] WHITEMAN, Matt - KEVIL, Christopher. 2nd European Conference on the Biology of Hydrogen Sulfide, Exeter, England 8th-11th September 2013. In NITRIC OXIDE-BIOLOGY AND CHEMISTRY. ISSN 1089-8603, 2014, vol. 41, no., pp. 1., WOS

ADMB02 PIQUEREAU, Jérôme - CAFFIN, Fanny - NOVOTOVÁ, Marta - LEMAIRE, Christophe - VEKSLER, Vladimir - GARNIER, A. - VENTURA-CLAPIER, Renée - JOUBERT, F. Mitochondrial dynamics in the adult cardiomyocytes: which roles for a highly specialized cell ? In *Frontiers in Physiology*, 2013, vol. 4, no., p. 102. (2013 - SCOPUS). ISSN 1664-042X. grant CORDDIM, VEGA 2/0116/12, APVV-SK-FR-0021-11, APVV-0721-10, PHC STEFANIK 2013 n 26340QF.

Ohlasy:

[1.1] CAMPELLO, Silvia - STRAPPAZZON, Flavie - CECCONI, Francesco. Mitochondrial dismissal in mammals, from protein degradation to mitophagy. In *BIOCHIMICA ET BIOPHYSICA ACTA-BIOENERGETICS*. ISSN 0005-2728, 2014, vol. 1837, no. 4, pp. 451., WOS

[1.1] DWORATZEK, Elke - MAHMOODZADEH, Shokoufeh - SCHUBERT, Carola - WESTPHAL, Christina - LEBER, Joachim - KUSCH, Angelika - KARARIGAS, Georgios - FLIEGNER, Daniela - MOULIN, Maryline - VENTURA-CLAPIER, Renee - GUSTAFSSON, Jan-Ake - DAVIDSON, Mercy M. - DRAGUN, Duska - REGITZ-ZAGROSEK, Vera. Sex differences in exercise-induced physiological myocardial hypertrophy are modulated by oestrogen receptor beta. In *CARDIOVASCULAR RESEARCH*. ISSN 0008-6363, 2014, vol. 102, no. 3, pp. 418., WOS

[1.1] KAGEYAMA, Yusuke - HOSHIIJIMA, Masahiko - SEO, Kinya - BEDJA, Djahida - SYSA-SHAH, Polina - ANDRABI, Shaida A. - CHEN, Weiran - HOEKE, Ahmet - DAWSON, Valina L. - DAWSON, Ted M. - GABRIELSON, Kathleen - KASS, David A. - IJIMA, Miho - SESAKI, Hiromi. Parkin-independent mitophagy requires Drp1 and maintains the integrity of mammalian heart and brain. In *EMBO JOURNAL*. ISSN 0261-4189, 2014, vol. 33, no. 23, pp. 2798., WOS

[1.1] KEUNG, Wendy - BOHELER, Kenneth R. - LI, Ronald A. Developmental cues for the maturation of metabolic, electrophysiological and calcium handling properties of human pluripotent stem cell-derived cardiomyocytes. In *STEM CELL RESEARCH & THERAPY*. ISSN 1757-6512, 2014, vol. 5, no., pp., WOS

[1.1] KOENIG, Andreas - SATERIALE, Adam - BUDD, Ralph C. - HUBER, Sally A. - BUSKIEWICZ, Iwona A. The Role of Sex Differences in Autophagy in the Heart During Cocksackievirus B3-Induced Myocarditis. In *JOURNAL OF CARDIOVASCULAR TRANSLATIONAL RESEARCH*. ISSN 1937-5387, 2014, vol. 7, no. 2, pp. 182., WOS

[1.1] LIU, Jian - WANG, Peipei - ZOU, Luyun - QU, Jing - LITOVSKY, Silvio - UMEDA, Patrick - ZHOU, Lufang - CHATHAM, John - MARSH, Susan A. - DELL&APOS;ITALIA, Louis J. - LLOYD, Steven G. High-fat, low-carbohydrate diet promotes arrhythmic death and increases myocardial ischemia-reperfusion injury in rats. In *AMERICAN JOURNAL OF PHYSIOLOGY-HEART AND CIRCULATORY PHYSIOLOGY*. ISSN 0363-6135, 2014, vol. 307, no. 4, pp. H598., WOS

[1.1] TEPP, Kersti - MADO, Kati - VARIKMAA, Minna - KLEPININ, Aleksandr - TIMOHHINA, Natalja - SHEVCHUK, Igor - CHEKULAYEV, Vladimir - KUZNETSOV, Andrey V. - GUZUN, Rita - KAAMBRE, Tuuli. The role of tubulin in the mitochondrial metabolism and arrangement in muscle cells. In *JOURNAL OF BIOENERGETICS AND BIOMEMBRANES*. ISSN 0145-479X, 2014, vol. 46, no. 5, pp. 421., WOS

- [1.1] ZHANG, Xuchen - SHAN, Peiying - HOMER, Robert - ZHANG, Yi - PETRACHE, Irina - MANNAM, Praveen - LEE, Patty J. Cathepsin E Promotes Pulmonary Emphysema via Mitochondrial Fission. In AMERICAN JOURNAL OF PATHOLOGY. ISSN 0002-9440, 2014, vol. 184, no. 10, pp. 2730., WOS
- [1.2] ALAVI, Marcel V. - FUHRMANN, Nico. Dominant optic atrophy, OPA1, and mitochondrial quality control: Understanding mitochondrial network dynamics. In Molecular Neurodegeneration, 2013-09-27, 8, 1, pp., SCOPUS
- [1.2] DONGWORTH, Rachel K. - HALL, Andrew R. - BURKE, Niall - HAUSENLOY, Derek J. Targeting mitochondria for cardioprotection: Examining the benefit for patients. In Future Cardiology. ISSN 14796678, 2014-01-01, 10, 2, pp. 255-272., SCOPUS
- [1.2] GIVVIMANI, Srikanth - PUSHPAKUMAR, Sathnur - VEERANKI, Sudhakar - TYAGI, Suresh C. Dysregulation of Mfn2 and Drp-1 proteins in heart failure1. In Canadian Journal of Physiology and Pharmacology. ISSN 00084212, 2014-01-01, 92, 7, pp. 583-591., SCOPUS
- [1.2] JAVADOV, Sabzali A. - KUZNETSOV, Andrey V. Mitochondria: The cell powerhouse and nexus of stress. In Frontiers in Physiology, 2013-09-30, 4 AUG, pp., SCOPUS
- [1.2] VINOGRADSKAYA, I. S. - KUZNETSOVA, T. G. - SUPRUNENKO, E. A. Mitochondrial network of skeletal muscle fiber. In Moscow University Biological Sciences Bulletin. ISSN 00963925, 2014-01-01, 69, 2, pp. 57-66., SCOPUS
- [3.2] ABBOTT, J.A. - FRANCLYN, C.S. - ROBEY-BOND, S.M. Transfer RNA and human disease. In FRONTIERS IN GENETICS. eISSN 1664-8021, 2014, vol. 5, pp. 158

ADMB03 ZAHRADNÍKOVÁ, Alexandra - ZAHRADNÍK, Ivan. Construction of calcium release sites in cardiac myocytes. In *Frontiers in Physiology*, 2012, vol.3, no., p. 322 - 341. ISSN 1664-042X. APVV-0721-10, APVV-0628-10, VEGA 2/0190/10, 2/0917/11, 2/0116/12.

Ohlasy:

- [1.2] SCRIVEN, David R L - ASGHARI, Parisa - MOORE, Edwin D W. Microarchitecture of the dyad. In Cardiovascular Research. ISSN 00086363, 2013-05-01, 98, 2, pp. 169-176., SCOPUS

ADNA Scientific papers in domestic impacted journals registered in Web of Sciences or Scopus

ADNA01 DESATOVÁ, B. - HLAVATÝ, T. - PAV, I. - CELEC, Peter - GREGUŠ, Michal - ZAKUCIOVÁ, M. - HLISTA, M. - HORAKOVÁ, M. - KÁDAŠI, Ľudevít - HUORKA, M. - BATOVSKÝ, M. Prevalence of mutations in thiopurine S-methyltransferase gene among Slovak IBD patients. In *Bratislavské lekárske listy : international journal for biomedical sciences and clinical medicine*, 2012, vol. 113, no. 5, p. 282-284. (0.403 - IF2011). ISSN 0006-9248.

Ohlasy:

- [1.1] CHOCHOLOVA, A - SOLTYSOVA, A. - MINARIK, G - CIERNA, I. - SUFLIARSKA, S. - MLADOSIEVICOVA, B. Thiopurine S-Methyltransferase gene polymorphisms in a Healthy Slovak population and pediatric patients with inflammatory bowel disease. IN NUCLEOSIDES, NUCLEOTIDES AND NUCLEIC ACIDS. 2013, vol. 32. no. 5, p. 239-246, WOS

AEC Scientific papers in foreign peer-reviewed proceedings, monographs

AEC01 BLAUSTEIN, M.P. - GOLOVINA, V.A. - SONG, H. - CHOATE, J. - LENČEŠOVÁ, Ľubomíra - ROBINSON, S.W. - WIER, W.G. Organization of Ca²⁺ stores in vascular smooth muscle: functional implications. In *Role of the sarcoplasmic reticulum in smooth muscle : Novartis Foundation Symposium 246*. Eds. Derek J. Chadwick, Jamie A. Goode. - Chichester : Wiley, 2002, p. 125-137. ISBN 9780470844793 print.

Ohlasy:

[1.1] PATEL, R.M. - LEONG, T. - CARLTON, D.P. - VYAS-READ, S. Early caffeine therapy and clinical outcomes in extremely preterm infants. In JOURNAL OF PERINATOLOGY, 2013, Vol. 23, pp. 134-140, WOS

[1.2] DOBSON, Nicole R. - PATEL, Ravi M. - SMITH, P. Brian - KUEHN, Devon R. - CLARK, Jennifer - VYAS-READ, Shilpa - HERRING, Amy - LAUGHON, Matthew M. - CARLTON, David - HUNT, Carl E. Trends in caffeine use and association between clinical outcomes and timing of therapy in very low birth weight infants. In Journal of Pediatrics. ISSN 00223476, 2014-01-01, 164, 5, pp. 992-998.e3., SCOPUS

[1.2] SUKHANOVA, Khrystyna Yu - THUGORKA, Oleksandr M. - BOURYI, Vitali A. - HARHUN, Maksym I. - GORDIENKO, Dmitri V. Mechanisms of the sarcoplasmic reticulum Ca²⁺ release induced by P2X receptor activation in mesenteric artery myocytes. In Pharmacological Reports. ISSN 17341140, 2014-01-01, 66, 3, pp. 363-372., SCOPUS

AECA Scientific papers in foreign peer-reviewed proceedings and shorter chapters in foreign scientific monographs or academic/university textbooks

AECA01 ZATKOVÁ, Andrea - SEDLÁČKOVÁ, T. - RADVÁNSZKY, Ján - POLÁKOVÁ, Helena - NÉMETHOVÁ, Martina - AGUARON, Robert - DURSUN, Ismail - USHER, Jeannette L. - KÁDAŠI, Ľudevít. Identification of 11 Novel Homogentisate 1,2 Dioxygenase Variants in Alkaptonuria Patients and Establishment of a Novel LOVD-Based HGD Mutation Database. In *JIMD Reports - Case and Research Reports, 2012/1 : Book Series: JIMD Reports, Editor in chief: Morava Eva, DOI: 10.1007/978-3-642-25752-0*, 2012, vol. 4, p. 55-65. ISSN 2192-8304. SF EU (project code: 26210120001, 26230120001).

Ohlasy:

[1.1] BRACONI, D. - MILLUCCI, L. - GHEZZI, L. - SANTUCCI, A. Redox proteomics gives insights into the role of oxidative stress in alkaptonuria (Review). In REVIEW OF PROTEOMICS. 2013 vol. 10, iss. 6, p. 521-535, WOS

AEGA Abstracts of scientific papers published in foreign impacted journals registered in Current Contents Connect

AEGA01 GONCALVESOVÁ, Eva - MIČUTKOVÁ, L. - MRAVEC, Boris - KSINANTOVÁ, L. - KRIŽANOVÁ, Oľga - FABIAN, J. - KVETŇANSKÝ, Richard. Changes in gene expression of phenylethanolamine N-methyltransferase in the transplanted human heart. In *Annals of the New York Academy of Sciences*, 2004, vol. 1018, p. 430-436. (1.892 - IF2003). ISSN 0077-8923.

Ohlasy:

[1.1] Costa, V. M.; Carvalho, F.; Bastos, M., Carvalho, R.A., Carvalho, M., Remião, F. Contribution of Catecholamine Reactive Intermediates and Oxidative

- AEGA02 KRIŽANOVÁ, Oľga - KREPSOVÁ, K. - MIČUTKOVÁ, L. -
KVETŇANSKÝ, Richard. Inositol 1,4,5-trisphosphate receptors in the heart
compared to other tissues are differently modulated by stress. In *Annals of the New
York Academy of Sciences*, 2004, vol. 1018, p. 310-314. (1.892 - IF2003). ISSN
0077-8923.

Ohlasy:

[1.1] WANG, Yu-rong - LI, Zhen-guo - FU, Jin-long - WANG, Zhao-Han -
WEN, Ying - LIU, Pei. TNF alpha-induced IP(3)R1 expression through
TNFR1/PC-PLC/PKC alpha and TNFR2 signalling pathways in human
mesangial cell. In *NEPHROLOGY DIALYSIS TRANSPLANTATION*, 2011,
vol.26, no.1, 75., WOS

- AEGA03 KVETŇANSKÝ, Richard - NANKOVÁ, B. B. - RUSNÁK, Martin -
MIČUTKOVÁ, L. - KUBOVČÁKOVÁ, Lucia - DRONJAK, S. - KRIŽANOVÁ,
Oľga - SABBAN, E. L. Differential gene expression of tyrosine hydroxylase in rats
exposed long-term to various stressors. In *ADVANCES IN BEHAVIORAL
BIOLOGY*, 2002, vol. 53, p. 317-320. ISSN 0099-9962.

Ohlasy:

[1.1] Al-Qudah, M.M., El-Qudah, J.M., Al-Omran, H. Biochemical
Alterations Due to Overcrowding Stress Induction in Healthy Albino Rats.
Journal of Animal and Veterinary Advances, 11(17): 3059-3063, 2012, WOS

**AEMA Abstracts of scientific papers published in foreign impacted journals registered
in Web of Science Core Collection or Scopus**

- AEMA01 HUDECOVÁ, Soňa - LENČEŠOVÁ, Ľubomíra - CSÁDEROVÁ, Lucia -
SEDLÁK, Ján - LAUKOVÁ, Marcela - KRIŽANOVÁ, Oľga. Isoproterenol
accelerates apoptosis through the overexpression of the sodium/calcium exchanger
in HeLa cells. In *International Journal of Molecular Medicine*, 2013, vol. 32,
supplement 1, p. S20. (1.957 - IF2012). (2013 - Current Contents). ISSN 1107-3756.

Ohlasy:

[1.2] Zhang, W.-G.a, Chen, L.b, Dong, Q.a, He, J.a, Zhao, H.-D.a, Li,
F.-L.a, Li, H. Mmu-miR-702 functions as an anti-apoptotic mirtron by
mediating ATF6 inhibition in mice *Gene* Volume 531, Issue 2, 1 December
2013, Pages 235-242, SCOPUS

XXX XXX

- XXX01 ORLICKÝ, Jozef - RUŠČÁK, Michal. Kinetics of the alanine aminotransferase
reaction in the mitochondrial and cell sap fractions of rat brain. In
Physiol.Bohemosl., 1977, vol. 26, p. 39-47.

Ohlasy:

[1.2] TABUCHI, Hisahiro - SUGIYAMA, Tomoya. Cooverexpression of
alanine aminotransferase 1 in Chinese hamster ovary cells overexpressing taurine
transporter further stimulates metabolism and enhances product yield. In
Biotechnology and Bioengineering. ISSN 00063592, 2013-08-01, 110, 8, pp.
2208-2215., SCOPUS

XXX02 RUŠČÁK, Michal. INCORPORATION OF 35S-METHIONINE INTO PROTEINS OF THE CEREBRAL CORTEX IN SITU IN RATS DURING SPREADING EEG DEPRESSION. In *Physiologia Bohemoslovaca*, 1964, vol. 13, p. 16-20. ISSN 0369- 9463.

Ohlasy:

[1.2] VIGGIANO, Alessandro - VIGGIANO, Emanuela - VALENTINO, Ilaria - MONDA, Marcellino - VIGGIANO, Andrea - DE LUCA, Bruno. Cortical spreading depression affects reactive oxygen species production. In *Brain Research*. ISSN 00068993, 2011-01-12, 1368, pp. 11-18., SCOPUS

XXX03 RUŠČÁK, Michal - ORLICKÝ, Jozef. Subcellular distribution and some properties of alanine aminotransferase in striated muscles of the crayfish, trout, carp, frog, pigeon and rabbit. In *Physiol.Bohemosl.*, 1979, vol. 28, p. 209-216.

Ohlasy:

[1.2] JING, Xiaoli - JING, Xiaoli - ZHANG, Shicui - ZHANG, Shicui. An ancient molecule with novel function: Alanine aminotransferase as a lipopolysaccharide binding protein with bacteriocidal activity. In *Developmental and Comparative Immunology*. ISSN 0145305X, 2011-01-01, 35, 1, pp. 94-104., SCOPUS