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06/2023 – trvá **Lekárska fakulta UK, Univerzita Komenského, profesor, od 09/2025  
prednosta Imunologického ústavu LFUK**

09/2019 – 05/2023 **Lekárska fakulta SZU, Slovenská zdravotnícka univerzita, docent**

02/2014 – 09/2017 **Lekárska fakulta UK, Univerzita Komenského, odborný asistent**  
01/2023 – trvá **Mabpro a.s., Bratislava, Slovakia, Vice President Clinical Research**

*Klinický vývoj monoklonových protilátok proti karbonickej anhydráze IX v  
liečbe hypoxických nádorov*

- Príprava plánu klinického vývoja
- Dizajn štúdie Ib/II Clinical Study to Evaluate Safety and Dosing of CA9hu-1 in Patients With Advanced Solid Tumours (CAMP1) NCT05698238
- Príprava podkladov pre regulačné orgány

11/2012 – 06/2023 **Národný ústav reumatických chorôb, Piešťany**  
koordinátor centra pre projekt DevelopAKUre FP7, od 01/07/2017 do  
30/06/2022 generálny riaditeľ NÚRCH

- Koordinácia multidisciplinárneho tímu pre klinické skúšky SONIA1 (EudraCT 2012-005340-24) a SONIA2 (EudraCT 2013-001633-41) a ďalšie úlohy súvisiace s projektom 7. RP napr. komunikácia a podávanie správ na etickú komisiu regulačné orgány, členmi projektového výboru, monitormi klinickej štúdie
- Riadenie štátnej príspevkovej organizácie - poskytovateľa zdravotnej starostlivosti

11/2003 – trvá **Biomedicínske centrum SAV, Laboratórium endokrinológie človeka,  
Ústav experimentálnej endokrinológie, Slovenská akadémia vied,  
Bratislava**

od roku 2003 vedecký pracovník  
od roku 2005 samostatný vedecký pracovník  
od roku 2007 vedúci laboratória

*Výskum neuroendokrinných regulácií u reumatických ochorení*

- Funkčné vyšetrenia osi hypotalamus-hypofýza-nadobličky u pacientov s reumatoidnou artritídou, systémovou sklerózou a ankylozujúcou spondylitídou
- Analýza produkcie steroidných hormónov a porúch steroidogenézy
- Vyšetrenia a analýza adrenomedulárnej a sympatikovej funkcie
- Vyšetrenia a analýza laktotropnej a somatotropnej osi

*Výskum v oblasti interakcie medzi prolaktínom a kortizolom*

- In vivo sledovania vplyvu prolaktínu na funkciu a sekréciu zápalových cytokínov, expresiu adhezívnych molekúl a steroidmi indukovanú redistribúciu imunitných buniek

*Výskum v oblasti hormonálnych regulácií sacharidového a lipidového metabolizmu*

- Vyšetrenie a analýza porúch glukózovej tolerancie využitím metód inzulínového zámku, orálneho glukózotolerančného testu
- Mikrodialýza tukového tkaniva a jeho biopsia

03/2021 – trvá

**Fakulta zdravotníckych vied, Univerzita sv. Cyrila a Metoda, docent**

06/2013 – 01/2015

**Podpredseda SAV pre II. odd. vied**

11/2007 – 06/2013

**Molekulárno-medicínske centrum SAV, riaditeľ**

*Riadenie špecializovanej rozpočtovej organizácie*

- Vytváranie, rozvoj a správa výskumných sekcií organizácie.
- Rozvoj prístrojovej infraštruktúry pre biomedicínske ústavy SAV.
- Koordinácia výskumných a rozvojových projektov.
- Strategické plánovanie organizácie.

05/2011 – 06/2012

**BIONT a.s., člen predstavenstva**

*Zodpovedný za vedeckú stratégiu spoločnosti z poverenia SAV*

01/2005 – 01/2008

**Clinical Neurocardiology Section, National Institute of Neurological Disorders and Stroke, National Institutes of Health, Bethesda, USA, postdoktorand**

*Výskum v oblasti neurologických autoimunitných syndrómov*

- Detekcia a izolácia autoprotílátok proti neuronálnemu acetylcholínovému receptoru, analýza epitopov
- Klinické vyšetrenie autonómnych funkcií pacientov s autoimunitnou autonómnou gangliopatiou
- Plánovanie, monitorovanie a management liečby autoimunitnej autonómnej gangliopatie pomocou plazmaferézy a anti-CD20+ monoklonálnej protílátky

*Výskum v oblasti autonómnych porúch u pacientov s alfa-synukleinopatiams (Parkinsonova choroba, Shy-Dragerov syndróm)*

- Sledovanie toxických účinkov katecholaldehydov na apoptózu katecholaminergných buniek
- Klinické vyšetrenie autonómnych porúch
- Analýza neurochemických, zobrazovacích a elektrofyziologických

údajov

01/2004 – 06/2004 **Neuroendocrine Immunology Laboratory, Dept. of Pharmacology,  
Free University of Brussels, Belgium**

*Výskum v oblasti vplyvu prolaktínu a kortizolu na imunitu*

- In vitro sledovania vplyvu prolaktínu a kortizolu na apoptózu, sekréciu cytokínov a expresiu adhezívnych molekúl na T lymfocytoch a makrofágoch

## Vzdelanie

2017	Docent, Lekárska fakulta UK, (doc., Názov habilitačnej prednášky Autonomný nervový systém a autoimunita) v odbore Normálna a patologická fyziológia
2014	Doktor vied, Slovenská akadémia vied (DrSc., Názov dizertačnej práce: Interakcie medzi neuroendokrinnými, metabolickými a imunitnými faktormi v patogenéze autoimunity)
2001-2003	Doktorandské štúdium, Ústav experimentálnej endokrinológie SAV (PhD, dizertačná práca: „Interakcia osi hypotalamus-hypofýza-nadobličky a laktotropnej osi v patogenéze reumatoidnej artritídy“)
1995-2001	Lekárska fakulta UK, Bratislava, (MUDr.)
1993-1995	Prírodovedecká fakulta UK, Bratislava odbor chémia-biochémia

## Získané ocenenia

2003	Cena Slovenskej reumatologickej spoločnosti
2004	Cena Jonáša Bohumila Guotha Predsedníctva Slovenskej lekárskej spoločnosti
2002	Grant Európskej ligy proti reumatizmu (EULAR) na študijný pobyt
2004	Grant John E. Fogarty/National Institutes of Health na postdoktorandský pobyt
2006	Navrhnutý Ministerstvom zdravotníctva SR na cenu ministra školstva SR v kategórii Mladý vedec roka
2021	Cena za vedu a techniku, MŠVVaŠ SR
2022	Krištáľové krídlo v kategórii medicína a veda, Nadácia Krištáľové krídlo

## Pozvané prednášky

2018	Rare Diseases: The wait for new alkaptonuria treatment may soon be over Slovak Liaison Office for Research and Development (SLORD) and the Permanent Representation of the Slovak Republic to the EU, Brussels 12.12.2018, Brussels, Belgium
2016	DHEA insufficiency in chronic inflammation: need for substitution?, American College of Rheumatology, 13.11.2016, Washington DC, USA
2012	Implementation of Personalized Medicine Approaches to eHealth Infrastructure, Public Health Genomics II, 19.4.2012 Rím, Taliansko
2011	Implementation of Personalized Medicine Approaches to eHealth Infrastructure, Max Planck Institute for Molecular Genetics, 6.12.2011 Berlín, Nemecko
2011	Implementation of Personalized Medicine Approaches to eHealth Infrastructure. PERSONALISED MEDICINE FOR THE EUROPEAN CITIZEN – TOWARDS MORE PRECISE MEDICINE FOR THE DIAGNOSIS, TREATMENT AND PREVENTION OF DISEASE (iPM) Disease Summit workshop 18-20 októbra 2011 – The Hague, Holandsko
2010	Hypothalamic-pituitary-adrenal function in rheumatoid arthritis. Central European Congress of Rheumatology, Sopron, Hungary. 22-24.9.2010

- 2009 An endocrinologist's view on relative adrenocortical insufficiency in rheumatoid arthritis. NeuroEndocrine Immunology in Rheumatic Diseases – Translation from Basics to Clinics. 08-10.5, 2009 Genova, Taliansko
- 2009 Mobilita slovenských vedcov medzi akademickým sektorom a priemyslom z pohľadu akademického sektoru. Vedomostná spoločnosť v praxi: HI-TECH SLOVENSKO. 3.4.2009 Bratislava
- 2005 Hypoglycemia and the sympathetic nervous system. Neuroendocrine Immune Basis of the Rheumatic Diseases. 10-12.9.2005 Santa Margherita Ligure, Genova, Taliansko

### **Komunikačné, riadiace a iné skúsenosti**

- Plynule anglicky, konverzačne nemecky, rusky
- Koordinácia a príprava viacerých domácich a zahraničných vedeckých projektov
- Riadenie Laboratória endokrinológie človeka na Ústave experimentálnej endokrinológie SAV, Bratislava
- Spolugarant doktorandského štúdia v Ústave experimentálnej endokrinológie SAV v odboroch Normálna a patologická fyziológia a Fyziológia živočíchov
- Školiteľ doktorandov v internom doktorandskom štúdiu na SAV a asistent postbakalárskych študentov na NIH
- Od roku 2017 koordinátor Neuroendocrine Immune Study Group, American College of Rheumatology
- znalosť práce s PC (Word, Excel, PowerPoint, MS Teams, Outlook)

### **Projekty**

ERA4Health, Fostering a European Research Area for Health Research (HORIZON-HLTH-2022-DISEASE-03), INSTITUTO DE SALUD CARLOS III (ISCIII), Spain, 2022-2029

Role: Co-investigator

MZ-2018/37-LFUK-11 The use of GLP-1 analogs in the multiple sclerosis treatment (MSGLP) 2018-2021

Principal Investigator: prof. MUDr. Peter Turčáni, CSc.

Role: Co-Investigator

ClinicalTrials.gov Identifier: NCT01444833

APVV-15-0228 Sclerosis multiplex - Úloha mitochondriálnej dysfunkcie v inzulínovej rezistencii, Multiple sclerosis - The role of mitochondrial dysfunction in insulin resistance.

ClinicalTrials.gov Identifier: NCT03052595

Role: Principal Investigator

FP7-HEALTH-2013-INNOVATION-1 Clinical Development of Nitisinone for Alkaptonuria (DevelopAKUre) 11/2012-2015, EudraCT 2012-005340-24, EudraCT 2013-001633-41

Principal Investigator: Dr L Ranganath (Royal Liverpool University Hospital)

Role: Center Coordinator

SK095 EEA/Norway Grants 2009-2011  
Development of the Centre for Molecular Medicine of the Slovak Academy of Sciences as a unique modern clinical research unit in Slovakia  
Role: Principal Scientific Coordinator

ATMOS N00024 2009-2012  
Rheumatoid arthritis susceptibility genes in Austrian and Slovak population (RASGENAS)  
Role: Principal Scientific Coordinator

Effects of Growth Hormone Supplementation to Adults With Growth Hormone Deficient on Metabolism and Adipose Tissue Molecular Phenotype (GHAT) 06/2012-  
Principal Investigator: Dr. Jozef Ukropec  
Role: Co-Investigator  
ClinicalTrials.gov identifier: NCT01616095

Central Europe Research to Innovation Models (CERIM) 09/2009-08/2011  
Principal Scientific Coordinator: Dr. Rüdiger Werp  
Role: Co-Investigator

03-N-0004 Clinical Laboratory Evaluation of Primary Chronic Autonomic Failure  
Principal Investigator: David.S. Goldstein, MD, PhD.  
Role: Co-Investigator  
ClinicalTrials.gov Identifier: NCT00059033

06-N-0209 Plasma Exchange for Autoimmune Autonomic Failure  
Principal Investigator: David.S. Goldstein, MD, PhD.  
Role: Co-Investigator  
ClinicalTrials.gov Identifier: NCT00359346

08-D-0018 Clinical and Laboratory Evaluation of the Autonomic Nervous System in Primary Sjogren's Syndrome  
Principal Investigator: Nikolay Nikolov, MD, PhD.  
Role: Co-Investigator  
ClinicalTrials.gov Identifier: NCT00565526

VEGA 2/0187/09 Imrich (PI) 2009-2011  
Bodový polymorfizmus C1858T génu PTPN22 v slovenskej populácii pacientov s reumatoidnou artritídou.  
Role: Principal Investigator

VEGA 2/0084/12 Imrich (PI) 2012-2014  
Interakcie neuroendokrinných a metabolických faktorov u kriticky chorých pacientov.  
Role: Principal Investigator

VEGA 2/6157/26 Imrich (PI) 2006-2008  
Nadobličky a sympatikový nervový systém v patogenéze reumatických ochorení  
Role: Principal Investigator

VEGA 2/7178/27 Radikova 2007-2009  
Development of endocrine and metabolic risk factors in young patients with essential hypertension in relation to therapy

Role: Co-Investigator

MZ 2005/20-NURCH-04 Rovensky (PI) 2005-2008

Effects of chronic inflammation on metabolism in patients with rheumatic diseases

Role: Co-Investigator

MZ 2008/ Zorad (PI) 2008-2011

Changes After Angiotensin Converting Enzyme (ACE) Inhibitor Replacement by Angiotensin II Receptor Type I (AT1) Blocker (ADIRAS)

Role: Co-Investigator

ClinicalTrials.gov Identifier: NCT01444833

APVT 21-008602 Rovensky 2002 – 2005 Agency for Support of Science and Technique

Interactions between Central and Local Hormonal and Immune Factors in Pathogenesis of Rheumatoid Arthritis

Role: Co-Investigator

APVT 51-0406/02 Gasperikova (PI) 2002 – 2005

Hormonal Regulation of Lipid Metabolism Gene Expression in Adipose Tissue of Obese and Insulin Resistant Subjects

Role: Co-Investigator

QRLT-2000-00488 (PCBRISK) FP6 2000-2003

Evaluating human health risk from low-dose and long-term PCB exposure.

Role: Co-Investigator

RAPS / CLUE Masi (PI), University of Illinois, College of Medicine at Peoria, Illinois, USA

Role: Consultant

### **Účasť v redakčných radách vedeckých časopisov a recenzie**

- Asistent výkonného redaktora, Endocrine Regulations (od 2004)
- Editor, General Physiology and Biophysics (od 2009)
- Recenzie pre Clinical and Experimental Rheumatology, Journal of Rheumatology, Rheumatology (Oxford), Psychoneuroimmunology, Cytokine, Arthritis and Rheumatism, Annals of Rheumatic Diseases, Swiss National Science Foundation, Vedecká grantová agentúra (VEGA)
- Člen redakčnej rady, Neuroimmunomodulation

### **Iné členstvá**

- Národný delegát pre programový výbor „Health“ Horizon Europe
- Vedecká rada MZ SR, podpredseda
- Učená spoločnosť Slovenska, člen

V Bratislave dňa 15.5.2025



## Publikácie in extenso

1. **Imrich R**, Rovensky J, Cervenakova Z, Ksinantova L, Kvetnansky R, Koska J: Hyperprolactinemia does not influence hypothalamic-pituitary-adrenocortical function during hypoglycemia in women. *Int J Tissue React* 2002; 24(2): 73-78
2. **Imrich R**: The role of neuroendocrine system in the pathogenesis of rheumatic diseases. *Endocr Regul* 2002; 36(2): 95-106
3. **Imrich R**, Rovensky J: Reumatoidna artritida: neuroendokrinne aspekty chronickeho zapalu. (In Slovak), *Reumatologia* 2002; 16(3): 147–154
4. Rovensky J, **Imrich R**, Koska J, Kovalancik M, Killinger Z, Payer J, Vigas M, Jezova D: Cortisol elimination from plasma in premenopausal females with rheumatoid arthritis. *Ann Rheum Dis* 2003; 62(7): 674-676
5. Cebecauer L, Radikova Z, Rovensky J, Koska, **Imrich R**, Ksinantova L, Susienkova K, Vigas M, Klimes I, Langer P. Increased prevalence and coincidence of antinuclear and antithyroid antibodies in the population exposed to high levels of polychlorinated pollutants cocktail. *Endocr Regul*. 2009 Apr;43(2):75-81.
6. **Imrich R**, Bosak V, Rovensky J: Polymyalgia rheumatica and temporal arteritis: the endocrine relations and the pathogenesis. *Reumatologia* 2003; 17(1): 69-77
7. **Imrich R**: Author Response. *Endocr Regul* 2003; 37(1): 47-48
8. Langer P, Kocan A, Tajtakova M, Petrik J, Koska J, Huckova M, Hanzen E, Ksinantova L, Radikova Z, **Imrich R**, Trnovec T, Blazicek P, Sebokova E, Klimes I: Thyroid function and cholesterol level: paradoxical findings in large groups of population with high cholesterol food intake. *Endocr Regul* 2003; 37(3): 175-180
9. **Imrich R**, Tibenska E, Koska J, Rovensky J, Vigas M: Pharmacological Hyperprolactinemia Attenuates Hydrocortisone-Induced Expression of CD11b on Human CD8+ Cells In Vivo. *Neuroimmunomodulation* 2004; 11(3):133-140
10. **Imrich R**, Tibenska E, Koska J, Ksinantova L, Kvetnansky R, Bergendiova-Sedlackova K, Blazicek P, Vigas M: Repeated stress-induced stimulation of catecholamine response is not followed by altered immune cell redistribution. *Ann N Y Acad Sci* 2004; 1018: 266-272
11. **Imrich R**, Rovensky J, Zlnay M, Cervenakova Z, Macho L, Vigas M, Koska J: Hypothalamic-pituitary-adrenal axis function in ankylosing spondylitis. *Ann Rheum Dis* 2004; 63(6):671-674
12. Rovensky J, Radikova Z, **Imrich R**, Greguska O, Vigas M, Macho L: Gonadal and adrenal steroid hormones in plasma and synovial fluid of patients with rheumatoid arthritis. *Endocr Regul* 2004; 38(4): 143-149
13. Rovensky J, **Imrich R**, Bošák V, Štvrtina S, Tauchmannová H: Polymyalgia rheumatica a obrovskobuňečná artritida. *Postgraduální medicína* 2004; 6(1): 81-87
14. Radikova Z, Koska J, Ksinantova L, **Imrich R**, Kocan A, Petrik J, Huckova M, Wsolova L, Langer P, Trnovec T, Sebokova E, Klimes I: Increased frequency of diabetes and other forms of dysglycemia in the population of specific areas of Eastern Slovakia chronically exposed to contamination with polychlorinated biphenyls (PCB). *Organohalogen Compounds* 2004; 66: 3547-3551
15. Langer P, Tajtakova M, Kocan A, Petrik J, Koska J, Ksinantova L, Radikova Z, **Imrich R**, Shishiba Y, Trnovec T, Sebokova E, Klimes I: Preliminary fundamental aspects on the thyroid volume and function in the population of long term heavily polluted area in East Slovakia. *Organohalogen Compounds* 2004; 66: 3532-3538
16. Rovensky J, **Imrich R**, Malis F, Zlnay M, Macho L, Koska J, Vigas M: Prolactin and growth hormone responses to hypoglycemia in patients with rheumatoid arthritis and ankylosing spondylitis. *J Rheumatol* 2004; 31(12): 2418-2421
17. **Imrich R**, Rovensky J, Malis F, Zlnay M, Killinger Z, Kvetnansky R, Huckova M, Vigas M, Macho L, Koska J: Low levels of dehydroepiandrosterone sulphate in plasma, and reduced sympathoadrenal response to hypoglycaemia in premenopausal women with rheumatoid arthritis. *Ann Rheum Dis* 2005; 64(2): 202-206
18. **Imrich R**, Vigas M, Rovensky J: Different threshold for prolactin response to hypoglycaemia in patients with rheumatoid arthritis? *Ann Rheum Dis* 2005; 64(3): 515
19. Rovensky J, Kvetnansky R, Radikova Z, **Imrich R**, Greguska O, Vigas M, Macho L: Hormone concentrations in synovial fluid of patients with rheumatoid arthritis. *Clin Exp Rheumatol* 2005; 23(3): 292-296
20. Rovensky J, **Imrich R**, Radikova Z, Simorova E, Greguska O, Vigas M, Macho L: Peptide hormones and histamine in plasma and synovial fluid of patients with rheumatoid arthritis and osteoarthritis. *Endocr Regul* 2005; 39(1): 1-6
21. Penesova A, Rovensky J, Zlnay M, Dedik L, Radikova Z, Koska J, Vigas M, **Imrich R**: Attenuated insulin response and normal insulin sensitivity in lean patients with ankylosing spondylitis. *Int J Clin Pharmacol Res* 2005; 25(3): 107-114
22. Radikova Z, Koska J, Huckova M, Ksinantova L, **Imrich R**, Vigas M, Trnovec T, Langer P, Sebokova E, Klimes I: Insulin sensitivity indices: a proposal of cut-off points for simple identification of insulin-resistant subjects. *Exp Clin Endocrinol Diabetes* 2006; 114(5): 249-256
23. **Imrich R**, Bosak V, Rovensky J: Polymyalgia rheumatica and temporal arteritis: The endocrine relations and the pathogenesis. Review. *Endocr Regul* 2006, 40(3): 43-49
24. Rovensky J, Raffayova H, **Imrich R**, Radikova Z, Penesova A, Macho L, Lukac J, Matucci-Cerinic M, Vigas M: Prolactin and growth hormone responses to hypoglycemia in patients with systemic sclerosis and psoriatic arthritis. *Ann N Y Acad Sci* 2006; 1069: 145-148
25. **Imrich R**: Hypoglycemia, an old tool for new findings in the adrenomedullary hormonal system in patients with rheumatic diseases. *Ann N Y Acad Sci* 2006; 1069: 98-108
26. **Imrich R**, Lukac J, Rovensky J, Radikova Z, Penesova A, Kvetnansky R, Huckova M, Vigas M, Macho L, Koska J. Lower adrenocortical and adrenomedullary responses to hypoglycemia in premenopausal women with systemic sclerosis. *J Rheumatol*. 2006 Nov;33(11):2235-41.
27. **Imrich R**, Goldstein DS, Jacobowitz DM. Prevalence of anti-locus coeruleus immunoreactivity in CSF of patients with autonomic failure. *Clin Auton Res*. 2006 Dec;16(6):401-5.
28. Goldstein DS, **Imrich R**, Peckham E, Holmes C, Lopez G, Crews C, Hardy J, Singleton A, Hallett M. Neurocirculatory and nigrostriatal abnormalities in Parkinson disease from LRRK2 mutation. *Neurology*. 2007 Jul 11

29. Goldstein DS, Holmes C, Sato T, Bernson M, Mizrahi N, **Imrich R**, Carmona G, Sharabi Y, Vortmeyer AO. Central dopamine deficiency in pure autonomic failure. *Clin Auton Res*. 2008 Mar 24;
30. Ukropec J, Penesova A, Skopkova M, Pura M, Vlcek M, Radikova Z, **Imrich R**, Ukropecova B, Tajtakova M, Koska J, Zorad S, Belan V, Vanuga P, Payer J, Eckel J, Klimes I, Gasperikova D. Adipokine Protein Expression Pattern in Growth Hormone Deficiency Predisposes to the Increased Fat Cell Size and to the Whole Body Metabolic Derangements. *J Clin Endocrinol Metab*. 2008 Mar 11;
31. Goldstein DS, Holmes C, Benth O, Sato T, Moak J, Sharabi Y, **Imrich R**, Conant S, Eldadah BA. Biomarkers to detect central dopamine deficiency and distinguish Parkinson disease from multiple system atrophy. *Parkinsonism Relat Disord*. 2008 Mar 4;
32. Skopková M, Penesová A, Sell H, Rádiková Z, Vlcek M, **Imrich R**, Koska J, Ukropec J, Eckel J, Klimes I, Gasperíková D. Protein array reveals differentially expressed proteins in subcutaneous adipose tissue in obesity. *Obesity (Silver Spring)*. 2007 Oct;15(10):2396-406.
33. Langer P, Kocan A, Tajtáková M, Rádiková Z, Petřík J, Koska J, Ksinantová L, **Imrich R**, Hucková M, Chovancová J, Drobná B, Jursa S, Bergman A, Athanasiadou M, Hovander L, Gasperíková D, Trnovec T, Seböková E, Klimes I. Possible effects of persistent organochlorinated pollutants cocktail on thyroid hormone levels and pituitary-thyroid interrelations. *Chemosphere*. 2007 Nov;70(1):110-8. Epub 2007 Aug 10.
34. Langer P, Kocan A, Tajtáková M, Petřík J, Chovancová J, Drobná B, Jursa S, Radiková Z, Koska J, Ksinantová L, Hucková M, **Imrich R**, Wimmerová S, Gasperíková D, Shishiba Y, Trnovec T, Seboková E, Klimes, I. Fish from industrially polluted freshwater as the main source of organochlorinated pollutants and increased frequency of thyroid disorders and dysglycemia. *Chemosphere* 2007 67(9): S379-S385
35. Ukropec J, Penesova A, Skopkova M, Pura M, Vlcek M, Radikova Z, **Imrich R**, Ukropecova B, Tajtakova M, Koska J, Zorad S, Belan V, Vanuga P, Payer J, Eckel J, Klimes I, Gasperikova D. Adipokine Protein Expression Pattern in Growth Hormone Deficiency Predisposes to the Increased Fat Cell Size and to the Whole Body Metabolic Derangements. *J Clin Endocrinol Metab*. 2008 Mar 11.
36. Goldstein DS, Holmes C, Sato T, Bernson M, Mizrahi N, **Imrich R**, Carmona G, Sharabi Y, Vortmeyer AO. Central dopamine deficiency in pure autonomic failure. *Clin Auton Res*. 2008 Mar 24.
37. **Imrich R**, Eldadah BA, Benth O, Pechnik S, Sharabi Y, Holmes C, Grossman E, Goldstein DS. Functional effects of cardiac sympathetic denervation in neurogenic orthostatic hypotension. *Parkinsonism Relat Disord*. 2009 Feb;15(2):122-7.
38. Sharabi Y, **Imrich R**, Holmes C, Pechnik S, Goldstein DS. Generalized and neurotransmitter-selective noradrenergic denervation in Parkinson's disease with orthostatic hypotension. *Mov Disord*. 2008 Sep 15;23(12):1725-32.
39. Langer P, Kocan A, Tajtáková M, Koska J, Rádiková Z, Ksinantová L, **Imrich R**, Hucková M, Drobná B, Gasperíková D, Seböková E, Klimes I. Increased thyroid volume, prevalence of thyroid antibodies and impaired fasting glucose in young adults from organochlorine cocktail polluted area: outcome of transgenerational transmission? *Chemosphere*. 2008 Oct;73(7):1145-50. Epub 2008 Sep 14.
40. Vlcek M, Radikova Z, Penesova A, Kvetnansky R, **Imrich R**. Heart rate variability and catecholamines during hypoglycemia and orthostasis. *Auton Neurosci*. 2008 Dec 5;143(1-2):53-7.
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## Knihy a kapitoly v knihách

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