

## **CURRICULUM VITAE**

### **• PERSONAL INFORMATION**

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Place and date of birth: Zalaegerszeg, Hungary; 30/11/1979

Marital status: married, 2 children

Nationality: Hungarian

### **• EDUCATION**

2016 Habilitation (5/2016) Medical School, University of Pecs, Hungary  
2010 Ph.D. degree (128/2010), Medical School, University of Pecs, Hungary  
2007 - 2010 Postdoctoral fellow, Systemic Inflammation Laboratory, Trauma Research, St. Joseph's Hospital and Medical Center, Phoenix, AZ, USA  
2004 - 2007 Postdoctoral (Ph.D.) studies, Department of Pathophysiology and Gerontology, Medical School, University of Pecs, Hungary  
2004 M.D. degree (65-98/2004), Medical School, University of Pecs, Hungary  
1998 - 2004 Medical student, Medical School, University of Pecs, Hungary

### **• POSITIONS**

2019 - Head, Department of Thermophysiology, Institute for Translational Medicine  
2010 - Assistant Lecturer to Assistant Professor to Associate Professor, Institute for Translational Medicine (formerly: Department of Pathophysiology and Gerontology), Medical School, University of Pecs, Hungary

### **• TEACHING ACTIVITIES**

2024- Subject Leader (Hungarian, English) - Pathophysiology for pharmacy students  
2022- Mentor of the National Academy of Scientist Education  
2015- PhD supervisor  
2013- Subject Leader (Hungarian, English) - Thermomania, Clinical Pathophysiology, Thermometry Methods  
2007- Undergraduate Student Research supervisor  
2004 - Pathophysiology seminars and lectures for medical students (Hungarian, English, German), Medical School, University of Pecs, Hungary

### **• GRADUATED PHD STUDENTS**

2024 - Dr. Janos Toldi (50%)

2024 - Dr. Alexandra Csenkey (50%)

2024 - Dr. Aba Tamas Lorincz (50%)

2022 - Dr. Patrik Keringer

2022 – Eموke Potone Olah

2020 – Dr. Eszter Garamine Pakai

- **CURRENTLY SUPERVISED PHD STUDENTS**

Dr. Zoltan Rumbus, Kata Fekete, Leonardo Kelava, Bibor Gardos (MD/PhD), Teodóra Eklícs (MD/PhD), Abdulrahman Shubail (MD/PhD)

- **ABROAD STUDIES**

2007-2010: Postdoctoral fellow - St. Joseph's Hospital and Medical Center, Trauma Research, FeverLab, Phoenix, Arizona, USA

2007: COSPI - Combating Obesity: Strategies for Prevention and Intervention: an Erasmus Intensive Programme, Graz, Austria

- **RESEARCH GRANTS**

2024 - 2027 Hungarian Scientific Research Fund (K 146117), Participant (PI: Dr. Balazs Gaszner)

"How does pre- and postnatal chronic stress exposure affect the development and vulnerability of peptidergic neurons in the Edinger-Westphal nucleus in models of depression and Parkinson's disease?"

2021 - 2025 Hungarian Scientific Research Fund (FK 138722), PI

"The significance of body temperature alterations in acute pancreatitis."

2019 - 2025 Hungarian Scientific Research Fund (FK 132454), Participant (PI: Dr. Gabor Pozsgai)

"Investigation of anxiolytic and antidepressant effects of dimethyl trisulfide in mouse disease models"

2017 - 2021 Hungarian Scientific Research Fund (FK 124483), PI

"The role of transient receptor potential channels in fever and hypothermia associated with systemic inflammation."

2016 - 2017 University of Pecs Internal Grant (KA-2016-15), PI

"Investigation of the sensors for thermoregulation: the role of transient receptor potential channels"

2012 - 2015 Hungarian Scientific Research Fund (PD 105532), PI

"Age-related development of obesity. Role of transient receptor potential vanilloid-1 channels in regulation of energy homeostasis"

2012 - 2014 Hungarian Social Renewal Operational Programme (4.2.2.A-11/1/KONV-2012-0024), Participant (PI: Prof. Zsuzsanna Helyes)

"Integrative investigation of neuropeptide-mediated mechanisms in vascular, inflammatory and immune functions."

2011 - 2012 University of Pecs Internal Grant (34039/11-07), PI

"Age-related development of obesity. Role of transient receptor potential vanilloid-1 channels in regulation of energy homeostasis"

2006 - 2010 Hungarian Scientific Research Fund (OTKA 62598), Participant (PI: Prof. Zoltan Szelenyi)

"Biotelemetric studies of energetics in TRPV knockout and wild type mice: modifications body temperature and activity rhythms under different feeding and stress situations"

## • FELLOWSHIPS AND AWARDS

- 2024 - Flerko-Bardos "Senior" Memorial Medal
- 2024 – Talentum Award of the National Academy of Scientist Education
- 2023 - Flerko-Bardos "Senior" Special Award
- 2022 Bolyai Memorial Certificate from the Hungarian Academy of Sciences for excellent achievements
- 2020, 2022 Dean's Certificate of Merit
- 2018-19, 2021-22 Excellent Teacher Award (Medical School, University of Pecs)
- 2018 - 2021 "Bolyai Janos Research Scholarship" of the Hungarian Academy of Sciences
- 2018 Award of the "In Memory of Prof. Laszlo Romics Foundation"
- 2016 Editor-in-Chief Award for best Teaching Slide publication in Temperature
- 2016-2021 New National Excellence Program Scholarship
- 2015 "Travel Award" of the International Society for Autonomic Neuroscience
- 2015 Hungarian State Eotvos Scholarship
- 2014 "Berde Botond Research Award" of the Medical School, University of Pecs
- 2014 Teacher-Researcher Travel Award (Medical School, University of Pecs)
- 2014 "Campus Hungary Scholarship" of the Balassi Institute, Hungary
- 2012 - 2015 "Bolyai Janos Research Scholarship" of the Hungarian Academy of Sciences
- 2012 "Youth Travel Award" of the Hungarian Physiological Society
- 2012 "John F. Perkins, Jr. Memorial Award for International Physiologists" of the American Physiological Society
- 2011 "Best Ph.D. Thesis Award" of the Regional Committee of the Hungarian Academy of Sciences
- 2011,'18,'19, 2021-23 Excellent Author Award (Medical School, University of Pecs)
- 2006- PhD Science Days, Award of the Doctoral School

## • MEMBERSHIPS AND ACTIVITIES IN SCIENTIFIC SOCIETIES

- 2024- Neuroimmunomodulation (Editorial Board Member)
- 2022- PLoS One (Editorial Board Member)
- 2022- Scientific Reports (Editorial Board Member in Metabolism)
- 2021- Member, European Psychoneuroimmunology Network
- 2021- Member, Hungarian Society for Experimental and Clinical Pharmacology
- 2020- Life (Physiology and Pathology Section Editor)
- 2017- Frontiers in Neuroscience and Frontiers in Endocrinology (Review Editor)
- 2017- Member, American Physiological Society, USA
- 2015- Member of the Undergraduate Student Research Leadership (Medical School, University of Pecs)
- 2015- Member of the Grant and Scholarship Committee (Medical School, University of Pecs)
- 2014- Temperature (Discovery Editor)
- 2013-2016 Member, Hungarian Hypertonia Society
- 2013- Member, Hungarian Society for Hypertension, Hungary
- 2011- Member, Hungarian Society for Microcirculation and Vascular Biology, Hungary
- 2011- Member of public body, Hungarian Academy of Sciences, Hungary
- 2011- Institutional Undergraduate Student Research manager
- 2010- Member, Hungarian Neuroscience Society, Hungary
- 2008-2011 Member, Society for Neuroscience, USA
- 2005- Member, Hungarian Physiological Society, Hungary

- **PEER REVIEW ACTIVITIES FOR SCIENTIFIC JOURNALS** (*112 confirmed peer reviews in Web of Science, for details see Researcher ID in MTMT*)

Critical Care, PLoS One, Journal of Applied Physiology, American Journal of Physiology, European Journal of Pharmacology, Journal of Neurophysiology, Journal of Infection, British Journal of Anaesthesia, Frontiers in Endocrinology, Frontiers in Neuroscience, International Journal of Biometeorology, Interventional Medicine & Applied Science, Temperature, Neuroscience, Brain Research Bulletin, Journal of Thermal Biology, Acta Physiologica, Acta Physiologica Hungarica, Life, Scientific Reports, Brain Behavior and Immunity, eLife, Physiological Reports

- **EXPERT REVIEW ACTIVITIES**

PhD opponent: King's College London, Semmelweis University, University of Szeged; PhD internal reviewer: University of Pecs; Dean's Essay reviewer; Jury member of local and national Student Researcher Conferences; Thesis supervisor and reviewer: University of Pecs; Book chapter reviewer (Springer); Handbook of Clinical Neurology (associate editor and reviewer); Pathophysiology: Introduction to clinical medicine book (lector); Grant reviewer: Arthritis Research UK, ELKH, NKFIH Physiology Jury and Janos Neumann Program

- **ORGANIZATION OF SCIENTIFIC MEETINGS**

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| 2024 | Symposium Organizer of "Molecular mechanisms in inflammation: endogenous ligands and gasmediators", 86. Meeting of the Hungarian Physiological Society, Pecs, Hungary   |
| 2023 | Symposium Organizer of "Sensational ion channels – physiology and pharmacology at the forefront of temperature and pain sensation", Joint conference of the Hungarian Society of Experimental and Clinical Pharmacology (HUPHAR), Hungarian Society of Physiology and Hungarian Society of Microcirculation with the contribution of the Hungarian Society of Anatomy, Matrahaza, Hungary |
| 2020 | Member of the Programme Committee, 8th virtual International Conference on the Physiology and Pharmacology of Temperature Regulation (vPPTR)  |
| 2018 | Member of the Awards Committee, 7th International Conference on the Physiology and Pharmacology of Temperature Regulation (PPTR)  |
| 2017 | Hungarian National Undergraduate Student Researcher Conference, Member of the Organizing Committee  |
| 2015 | Founding Organizer of Pathophysiology Science Rounds, Department of Pathophysiology and Gerontology, Medical School, University of Pecs, Hungary  |
| 2013 | Member of the Organizing Committee, 2 <sup>nd</sup> International Doctoral Workshop on Natural Sciences, Pecs, Hungary  |
| 2011 | Symposium Organizer of "The (patho)physiology of the TRPV1 channel", LXXV. Meeting of the Hungarian Physiological Society, Pecs, Hungary  |

- **INVITED PRESENTATIONS IN THE PAST 5 YEARS (FURTHER 15 LECTURES IN EARLIER YEARS)**

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| 2024 | Year 2024 Conference of the Hungarian Anatomical Society, Debrecen   |
| 2024 | HUPHAR2024 – Pharmacology, Pharmacokinetics & Innovation, Matrafured |
| 2024 | XXII. Meeting of Nobel Laureates and Talented Students, Szeged       |

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| 2023 | MIF Virtual Lecture Series, 10 May, 2024 (online)  |
| 2022 | HUPHAR60 Annual Congress of Pharmacology Research and Innovation, Matrafured   |
| 2021 | 8th European Virtual Congress of Pharmacology (EPHAR2021), Prague, Czech Republic, (online)  |
| 2021 | 11th International Symposium on Cell/Tissue Injury and Cytoprotection/ Organoprotection (ISCTICO), joint meeting of the Hungarian Society for Experimental and Clinical Pharmacology (HUPHAR) and the International Union of Basic and Clinical Pharmacology (IUPHAR), Pécs, Hungary |
| 2020 | 8th virtual International Conference on the Physiology and Pharmacology of Temperature Regulation (vPPTR), Vancouver, Canada, (online)   |
| 2019 | Joint Conference of the Hungarian Pharmacology, Anatomy, Microcirculation and Physiological Societies, Budapest, Hungary   |

- **INTERNATIONAL SCIENTIFIC COLLABORATIONS**

**Dr. Andrej A. Romanovsky** (University of Arizona & Zharko Pharma Inc., USA)

**Dr. Julie Keeble** (King's College London, UK)

**Dr. Alexandre A. Steiner** (University of São Paulo, Brazil)

- **LANGUAGE SKILLS**

**English:** advanced level language exam (2011)

**German:** advanced level language exam (2011)

- **SCIENTOMETRICS**

Total number of published peer-reviewed papers: 90

Cumulative impact factor: 355,386

Independent citations: 2983

Hirsch index: 31

Scientometrics.org ranking: D1 (111%)

MTMT identifier: 10016462

MTMT link: <https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=authors10016462>

Pecs, October 21, 2024