

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 – Emoke Potone Olah

2020 – Dr. Eszter Garamine Pakai

- **CURRENTLY SUPERVISED PHD STUDENTS**

Dr. Zoltan Rumbus, Kata Fekete, Leonardo Kelava, Bibor Gardos (MD/PhD), Teodóra Eklics (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 Anesthesia, 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**

2024	Symposium Organizer of "Molecular mechanisms in inflammation: endogenous ligands and gasomediators", 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 nd 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)**

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

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