

PERSONAL INFORMATION

Balázs Zoltán Pál

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Date of birth 1975. April 30.



WORK EXPERIENCE

- 2018 - present **associate professor**
University of Debrecen, Faculty of Medicine, Department of Physiology
- 2011 - 2018 **assistant professor**
University of Debrecen, Faculty of Medicine, Department of Physiology
- 2009-2011 **postdoctoral fellow**
FMP/MDC, Berlin, Germany
- 2006 – 2011 **assistant lecturer**
University of Debrecen, Faculty of Medicine, Department of Physiology
- 2004 – 2006 **academic visitor**
MRC Anatomical Neuropharmacology Unit, Oxford, UK (7 months in total)
- 2003– 2006 **junior research associate**
University of Debrecen, Medical and Health Sciences Centre, Department of Physiology
- 2001 – 2003 **PhD student**
University of Debrecen, Medical and Health Sciences Centre, Department of Physiology
- 1999. – 2001. **resident doctor**
Department of Traumatology and Hand Surgery, University of Debrecen, Medical and Health Sciences Centre

EDUCATION AND TRAINING

- 2016. **HABILITATION**
University of Debrecen, Faculty of Medicine
- 2004. **PhD, theoretical medicine**
University of Debrecen, Medical and Health Sciences Centre
Investigation of the molecular structure, distribution and function of the HCN and TASK channels in the central nervous system.
- 1993 – 1999 **medical doctor**
Medical University of Debrecen
- 1993 **graduate**
High School of the Debrecen Reformed College

PERSONAL SKILLS

Mother tongue Hungarian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
German	B1	B1	B1	B1	B1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2: Proficient user
Common European Framework of Reference for Languages

Communication skills I have communication skills necessary for my profession both verbally and in writing. I gave TV and radio interviews.

Organizational/management skills I use my leadership skills in practice in a job that requires decisive and responsible decisions at local level.

Job-related skills I am characterized by excellent problem-solving skills and results orientation. I have many years of experience, which I gained in a responsible and challenging environment. C type animal experiment certificate (2008), gas cylinder handling certificate (2016).

Computer skills Microsoft Office, other image processing and analysing softwares

EDUCATIONAL ACTIVITIES

Teaching experience Medical physiology and neurobiology for general medicine- and dentistry students; seminars and practices since 2001, lectures since 2005 in Hungarian and English
Molecular neurobiology in the Molecular biology MSc course since 2006
Neurobiology for Pharmacy students since 2011.
Course coordinator of Neurobiology courses for medical, dentistry students and molecular biology students.

Visiting professorship Academic visitor 2004-2006, 7 months in total. Dr. Marco Capogna, MRC Anatomical Neuropharmacology Unit, Oxford, UK.
Postdoctoral fellow 2009-2011. MDC/FMP Berlin, Germany. Prof. Thomas Jentsch.
Academic visitor, 2012. MDC/FMP Berlin, Germany.
Visiting scholar, 2014. Rutgers University, NJ, USA, Prof. Záborszky László.

Doctoral education Core member of Molecular Medicine Doctoral School. Member of the Neuroscience Doctoral School.
https://doktori.hu/index.php?menuid=192&lang=HU&sz_ID=9573

PUBLIC ACTIVITIES

Selected institutional responsibilities Member and secretary of the Medical and Health Sciences Habilitational Committee of the UD, from 2022.

National offices none

Awards Bolyai Stipend 2012-2015.
Szodoray Stipend 2014-2017.
Best scientific publication of UD price, 2020

Decorations none

SCIENTIFIC ACTIVITIES

Research interest Astrocyte-neuron communication. Investigation of voltage- and ligand-gated ion channels participating in neuromodulatory mechanisms. Slice- and block electrophysiological recordings on murine and human CNS samples, calcium imaging, optogenetics, maintenance of transgenic mouse strains, immunohistochemistry, morphological analysis of neurons, in vivo imaging and behavioural tests.

Research groups UD Department of Physiology, head of Workgroup for Neurophysiology, in 2012 and since 2016.

Memberships Member of the Hungarian Physiological Society from 2005.
Member of the Hungarian Neuroscience Society 2011-2022.
Member of Federation of European Neuroscience Societies since 2011.
Member of Society for Neuroscience, 2016.

Hungarian Academy of Sciences Member of the Public Body of HAS since 2022

Editorial Board memberships Frontiers in Cellular Neuroscience (guest editor)
International Journal of Molecular Sciences (guest editor)

Research publications <https://scholar.google.com/citations?user=RcjFMo4AAAAJ&hl=hu&oi=sra>
In addition: <https://pubmed.ncbi.nlm.nih.gov/14618265/>