


PERSONAL INFORMATION

Tamás Bányász

 H-4002 Debrecen Po Box. 400. (Hungary)

 +36 20 228 8801, +36 52 255 575

 banyasz.tamas@med.unideb.hu

Date of birth 15. March 1960.



WORK EXPERIENCE

- 2019 – Present **professor**
University of Debrecen, Faculty of Medicine, Department of Physiology
- 2000 – 2019 **associate professor**
University of Debrecen, Faculty of Medicine, Department of Physiology
- 1997 – 2000 **assistant professor**
Medical University of Debrecen, Department of Physiology
- 1990 – 1994 **research associate**
Medical University of Debrecen, Department of Physiology
- 1990 – 1992 **postdoctoral fellow**
Department of Veterans Affairs Medical Center, Oklahoma City, Oklahoma, USA
- 1984 – 1990 **junior research associate**
Medical University of Debrecen, Department of Physiology

EDUCATION AND TRAINING

- 2017 **Doctor of Sciences**
Hungarian Academy of Science, Budapest, Hungary
Dynamics and coordination of ionic currents during action potential in mammalian ventricle
- 1996 **PhD**
Medical University of Debrecen, Debrecen, Hungary
Altered function of Na^+/K^+ -ATPase in pathologic endocrine states
- 1980 – 1985 **MD**
Medical University of Debrecen, Debrecen, Hungary
- 1976 – 1980 **Graduate**
I.Laszlo High School, Mezőkövesd, Hungary

PERSONAL SKILLS

Mother tongue(s) Hungarian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C2	C2	C2	C2	C2
Russian	A1	A1	A1	A1	A1

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

Communication skills I have excellent communication skills both verbally and in writing.

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.

Computer skills Microsoft Office, Microsoft Visual Basic, Embarcadero Delphi

EDUCATIONAL ACTIVITIES

Teaching experience Medical physiology for students of general medicine and dentistry. Practices and seminars 1984, lectures since 1996 in Hungarian and English.
 Human physiology for pharmacy students since 2008.
 Physiology of the cardiorespiratory system for molecular biology students since 2017.

Doctoral education Mentor at the Molecular Medicine Doctoral School at UD from 2000.

PUBLIC ACTIVITIES

Awards János Bólyai award 1997.
 István Széchenyi award 2001.

SCIENTIFIC ACTIVITIES

Research interests Electro-mechanical coupling of striated muscles. Optical detection of intracellular calcium concentration changes, investigation of calcium homeostasis in excitable and non-excitabile cells.

Visiting researcher positions Cardiac Electrophysiology Laboratory, Department of Veterans Affairs Medical Center, Oklahoma City, Oklahoma, USA (prof R. Lazzara) 1990-1992.
 Università Milano-Bicocca Dipartimento Di Biotechnologie E Bioscienze Milano, Olaszország (prof A. Zaza) 1999.
 University of Kentucky, Institute of Molecular Medicine, Lexington, Kentucky, USA, (prof B. Balkey) 2006-2008
 University of California Davis, Davis, California USA (prof L. T. Izu) 2009, 2010, 2011, 2012, 2013, 2014-2015, 2019, 2022.

Memberships Member of the Hungarian Physiological Society from 1985.
 Member of the American Biophysical Society from 1991.
 Member of the Hungarian Biophysical Society from 2010.

Editorial board memberships Frontiers in Physiology

Research publications <https://scholar.google.hu/citations?user=W8ldLcgAAAAJ&hl=en&oi=ao>