



László Zimányi

director

Institute of Biophysics
Biological Research Centre Szeged



SCIENTIFIC DEGREES

- 2015.** honorary professor, University of Szeged
- 2003.** Dr. habil., University of Szeged, physics
- 1999.** D.Sc., Hungarian Academy of Sciences, physics
- 1990.** Ph.D., Hungarian Academy of Sciences, physics
- 1981.** Dr. Univ., Attila József University Szeged, physics, biophysics
- 1979.** M.Sc., Attila József University Szeged, physics

PUBLICATION PARAMETERS

In extenso publications:	84
Cumulative IF:	335,16
Citations:	2249/1531
Book chapters:	4
University lecture notes:	-
Hirsch index:	26

CURRENT POSITIONS

- 2015–** director, Institute of Biophysics, BRC
- 2013–** section head, Molecular, Subcellular and Microbial Biophysics Section, Institute of Biophysics, BRC
- 1999–** scientific advisor, Institute of Biophysics, BRC

RESEARCH INTERESTS

membrane bioenergetics, protein dynamics, spectroscopy of biological macromolecules, electron and proton transfer in proteins, biophotonics, chemometric analysis

EXTERNAL WORKPLACES

- 2007–2009.** 18 months, professor, Université Montpellier, Montpellier, France
- 1997–1999.** 12 months, courtesy professor, Florida State University, Tallahassee, FL, USA
- 1991–1994.** 3 years, associate researcher, University of California Irvine, CA, USA
- 1986–1988.** 2 years, postdoctoral researcher, University of California Irvine, CA, USA
- 1982.** 6 months, postgraduate researcher, University of Illinois Urbana, IL, USA

NOTABLE INTERNATIONAL RESEARCH GRANTS

- 2010–2012.** HURO/0901/219/2.2.2, "Joint efforts to describe the solute effects on the structure and function of bioenergetically and medically relevant proteins and peptides", project leader, **60 000 000 HUF**
- 2007–2008.** ECO-NET 2007, "IUP: Casein polyelectrolyte multilayer films", co-investigator, **15 000 000 HUF**
- 2002–2005.** INTAS 011-0002, "Intramolecular electron transfer in cytochrome c and complex of cytochrome c with cytochrome oxidase", co-investigator, **21 000 000 HUF**

NOTABLE NATIONAL RESEARCH GRANTS

- 2016–2020.** Grant supported by the Economic Development and Innovation Operational Program (GINOP 2.3.2.-15-2016-00001), "Energy conversion and electron transport in redox proteins", co-investigator, **40 240 000 HUF**

- 2012–2014.** Grant supported by the Social Renewal Operational Program (TÁMOP-4.2.2.A-11/1/KONV-2012-0052), “Cytochrome proteins: electron transfer and energy metabolism”, co-investigator, **40 000 000 HUF**
- 2013–2017.** Grant supported by the National Research, Development and Innovation Office (OTKA K108697), “Transmembrane electron transfer, as the basis for the biological activity of cytochrome b561 proteins”, PI, **37 270 000 HUF**
- 2005–2008.** Grant supported by the Hungarian Academy of Sciences (OTKA T049207), “Role of the protein matrix in the function of redox proteins”, PI, **14 000 000 HUF**
- 2001–2004.** Grant supported by the Hungarian Academy of Sciences (OTKA T034745), “Factors controlling the rate of electron transfer in proteins”, PI, **6 340 000 HUF**
- 1996–1999.** Grant supported by the Hungarian Academy of Sciences (OTKA T020470), “Comparison of the photocycle and the mechanism of light induced ion transport in bacterial rhodopsins”, PI, **1 214 000 HUF**

NOTABLE INFRASTRUCTURE DEVELOPMENT GRANTS

- 2018–2022.** National Research, Development and Innovation Office, National Program for Excellence Grant, (2018-1.2.1-NKP) „Development of a multifunctional femtobiology workstation and investigation of light induced biological processes by few-cycle spectroscopic methods”, participant, **300 000 000 HUF**
- 2016–2018.** Grant supported by the Economic Development and Innovation Operational Program (GINOP-2.3.3.-15-2016-00001) „Development of a high level spectroscopic and microscopic laboratory for structural biology research”, participant, **300 000 000 HUF**
- 2009.** REG_DA_INFRA_09, “Protein purification chromatography and voltammetry laboratory”, project leader, **38 750 000 HUF**
- 2005.** GVOP-3.2.1.-2004-04-0364/3.0, “Kinetic spectroscopy”, project leader, **25 000 000 HUF**

AWARDS AND DECORATIONS

- 2005.** Physics Award, Hungarian Academy of Sciences
- 1995.** 1st prize, Improvement of the biophysics education, Hungarian Biophysical Society
- 1982.** Young investigator award, Hungarian Academy of Sciences

EDUCATIONAL ACTIVITIES

- B.Sc. supervision:** 2 supervisions
- M.Sc. supervision:** 1 supervisions
- M.D. supervision:** 1 supervisions
- Ph.D. supervision:** 3 supervisions, Petro Khoroshyy 2013, Katalin Tenger 2012, Ágnes Kulcsár 2000
- Teaching:** Bioenergetics course, University of Szeged, 2 hour lectures weekly
Biophysics PhD course, University of Szeged, Doctoral School of
Multidisciplinary Medicine, two 2 hour lectures per semester

LANGUAGE EXAMS

- 1989.** English, C, advanced level
- 1986.** Russian, basic level

MISCELLANEOUS ACTIVITIES

- 2018–** chair, Roland Eötvös Physical Society, Csongrád-Csanád County section
- 2015–2023** vice chair, Hungarian Biophysical Society
- 2004–** member, European Bioenergetics Conference Scientific Committee

2016–2019. elected representative, General Assembly, Hungarian Academy of Sciences
2014–2020 co-chair, Biophysics Scientific Committee, Hungarian Academy of Sciences
2007–2010. elected representative, General Assembly, Hungarian Academy of Sciences
2005–2011. member, International Union for Pure and Applied Physics (IUPAP), Committee for Biological Physics



62. Temesvari krt.

Szeged, Hungary
6726



+36 (62) 599-613



zimanyi.laszlo@brc.hu