

Name: Kellermayer, Miklós Sándor Zoltán

Position and title

Dean, Faculty of Medicine, Semmelweis University
Chairman, Department of Biophysics and Radiation Biology, Semmelweis University
Budapest, Tűzoltó u. 37-47. H1094. kellermayer.miklos@med.semmelweis-univ.hu

Place and date of birth: Pécs, Hungary, 17 July, 1964

Family status: Married, five children

Education, training and degrees

1988 MD, General Medicine, University of Pécs
1998 PhD, Medicine/Biophysics, University of Pécs
2008 DSc, Biology/Biophysics, Hungarian Academy of Sciences

Research Interests

Single molecule manipulation with optical tweezers; Actomyosin motility studied with the in vitro motility assay; Molecular biophysics of the giant muscle protein titin; Nanomechanics of fibrous proteins, polymers and aggregates; Nanobiotechnology, single-molecule imaging and manipulation with AFM; viral nanomechanics.

Major Employment Stages

1989-93 Postdoctoral fellow, Center for Bioengineering, University of Washington, Seattle, WA USA
1993-95 Research Associate, University of Pécs, Medical School, Central Research Laboratory
1995-1998 Research Associate, Dept. VCAPP, Washington State University, Pullman, WA USA
2000-2008 Associate professor, Univ. Pécs, Med. Sch., Dept. Biophysics
2009-present Professor, Department of Biophysics and Radiation Biology, Semmelweis University
2009-2012 Vice Rector for Scientific Affairs, Semmelweis University
2013-2015 Vice Dean for Graduate Education, Faculty of Medicine, Semmelweis University
2019- Head, Doctoral School for Theoretical and Translational Medicine, Semmelweis University
2019- Dean, Faculty of Medicine, Semmelweis University

Major teaching experience

1993-present Lecturer, instructor and examiner in several core curricular (Biometrics, Biophysics), credit (Cytoskeleton, Nanobiotechnology) and PhD courses (Microscopy and image analysis). Hungarian and English.

Important Professional Memberships

1991- Member, American Biophysical Society
2009- Director, "Cellular and molecular biophysics" Doctoral Program, Semmelweis University
2014- President, Biophysics Committee, Hungarian Academy of Sciences
2015- Vice president, Hungarian Biophysical Society
2019- Member, Steering Committee of the Eötvös Loránd Research Network, Hungary
2019- Member, Academia Europaea

Important Honors and Awards

1991-1993 Postdoctoral Research Fellowship, American Heart Association, Washington Affiliate
1998-2001 "Bolyai János" Postdoctoral Fellowship, Hungarian Academy of Sciences
2001-2005 Howard Hughes Medical Institute International Research Scholarship
2001 Hungarian State Eötvös Fellowship
2003-2005 Széchenyi Fellowship
2009 Sanofi-Aventis/Chinoin Research Prize
2013 Huzella Prize for scientific achievement, Semmelweis University
2016 Kerpel-Fronius Prize, Semmelweis University
2017, 18, 19 Merit Prize, Semmelweis University

Conference organizing activities

1999 NATO Advanced Research Workshop. Biological, Biophysical and Theoretical Aspects of Polymer Structure and Transport. Bikal, Hungary.
2001 XXX. European Muscle Conference, Muscle Elastic Filaments. Pavia, Italy.
2004 XXXIII. European Muscle Conference, Cytoskeleton. Elba, Italy.
2005 FEBS-IUBMB Meeting, Single molecule biochemistry and mechanics. Budapest, Hungary.
2007 IV. International Conference on Molecular Recognition, Nanobiology. Pecs, Hungary.
2015 25th Congress of the Hungarian Biophysical Society.
2018 European Muscle Conference, Budapest, Hungary.

Total grant support awarded as PI

>1.3 billion HUF

Publication record

Original papers: 144
Books and book chapters: 13
Cumulative impact factor: 409
Hirsch index (Google scholar): 32
Total citations (Google scholar): 4427