



Curriculum Vitae Professor Dr. Tamás F. Freund

Name: Tamás F. Freund
Born: 14. Juni 1959



Main areas of research: neuronal microcircuits, brain research, synaptic and molecular organization, functional architecture and physiology of neuronal circuits in the cerebral cortex

Tamás F. Freund's work has provided important contributions to our understanding of how neuronal microcircuits process and store information, which represents one of the ultimate objectives of brain research. Under his directorship the Institute of Experimental Medicine became one of the leading multidisciplinary neuroscience centres in Europe.

Academic and Professional Career

- since 2002 Director, Institute of Experimental Medicine, Hungarian Academy of Sciences, Budapest, Hungary
- since 2000 Professor, and Head of Department of Neurosciences, Péter Pázmány Catholic University, Budapest, Hungary
- 1994 - 2002 Deputy Director, Institute of Experimental Medicine, Hungarian Academy of Sciences, Budapest, Hungary
- 1986 - 1988 Senior Research Fellow of Neuropharmacology at the MRC Anatomical Neuropharmacology Unit, Department of Pharmacology, Oxford University, UK
- 1983 - 1986 Junior Research Fellow of the Hungarian Academy of Sciences, 1st, Department of Anatomy, Semmelweis University Medical School, Budapest, Hungary
- 1984 Ph.D. in neuroscience, Eötvös Loránd University, Budapest, Hungary

1978 - 1983 MSc. Biology faculty, Eötvös Loránd University, Budapest, Hungary

Functions in Scientific Societies and Committees

since 2011 Member, Committee on Committees of the Society for Neuroscience, USA

since 2011 Chair, Young Investigator Award Selection Committee, Society for Neuroscience, USA

since 2009 President of the Hungarian Neuroscience Society

2004 - 2006 President of the Federation of European Neuroscience Societies (FENS)

1999 - 2004 Chairman of the International Brain Research Organization (IBRO) Central and Eastern European Regional Committee

1998 - 2004 Executive Committee member of International Brain Research Organization (IBRO)

1997 - 2003 Chairman of the Neuroscience Committee of the Hungarian Academy of Sciences

Honours and Awarded Memberships

2011 The Brain Prize, Grete Lundbeck Foundation, Denmark

2009 Pro Doctorandis Díj, Federation of Doctoral Students of Hungary

2008 Prima Primissima Awards, Hungary: Prima Award in Science Category

2007 Kavli Distinguished International Scientist Lecture, Soc. for Neurosci, USA

2007 Scientists of the Year, Award of Science Writers Club of Hungary

2007 Semmelweis Award, Semmelweis Medical School, Budapest, Hungary

2005 Széchenyi Prize, Hungarian Republic

2004 Regular Member of the Hungarian Academy of Sciences

2003 Honoris Causa Pro Scientia Gold Medal, Hungarian Academy of Sciences

2001 Member of the German Academy of Sciences Leopoldina

2001 Member of Academia Scientiarum et Artium Europaea

2000 Member of Academia Europaea

2000 Bolyai Prize, Bolyai Prize Foundation, Hungary

- 1999 Ábrahám Ambrus Award, József Attila University, Szeged, Hungary
- 1998 Corresponding Member of the Hungarian Academy of Sciences
- 1998 Dargut and Milena Kemali Foundation Award, FENS Forum, Berlin, Germany
- 1998 KRIEG CORTICAL KUDOS Cortical Discoverer Award and the Cajal Medal of the
Cajal Club, USA
- 1997 Academy Award, Hungarian Academy of Sciences
- 1991 Drs. C. and F. Demuth Swiss Medical Research Foundation Award, Switzerland
- 1991 KRIEG CORTICAL KUDOS Cortical Explorer Award of the Cajal Club, USA

Major Scientific Interests

Tamás F. Freund's work has provided important contributions to our understanding of how neuronal microcircuits process and store information, which represents one of the ultimate objectives of brain research. His main scientific interest is the synaptic and molecular organization, functional architecture and physiology of neuronal circuits in the cerebral cortex and related structures, the network basis of behaviour-dependent population discharge patterns in the hippocampus, the changes in neuronal connectivity/chemical architecture underlying addiction or epileptic and ischemic brain damage, the mechanisms of endocannabinoid signaling and its relationship with anxiety. Under his directorship the Institute of Experimental Medicine became one of the leading multidisciplinary neuroscience centres in Europe.