



Akos Koller

- *Professor emeritus*
- *Research Center for Sports Physiology*
- *Management mandate:*
Scientific Council: 2026–
Deputy Rector 2015–2016
- *Year of birth: 1951*

Qualifications, academic degrees

University degrees

- *MD. Semmelweis University of Medicine, Budapest, Hungary, 1975*

Academic degrees and titles

- *Ph.D. Hungarian Academy of Sciences, 1995*
- *Doctor Habil. A. Szent-Györgyi Medical Univ., Szeged, Hungary, 1996*
- *D.Sc. Hungarian Academy of Sciences, 1998*

Professional career

Previous and current jobs, positions and titles

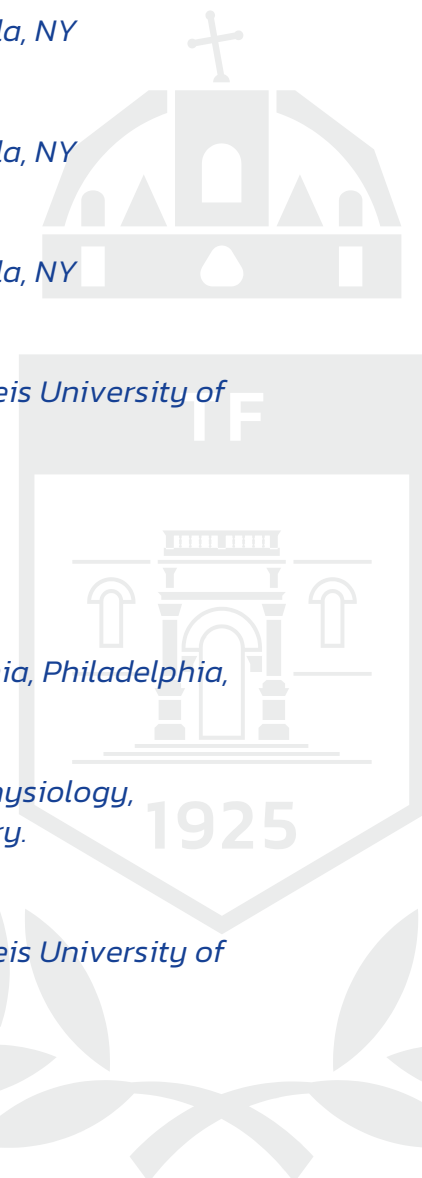
- **2021 – present**
Professor Emeritus,
Department of Morphology and Physiology, Semmelweis University
Faculty of Health Sciences, Budapest, Hungary
- **2021 – present**
Professor Emeritus,
Institute of Translational Medicine, (previously: Dept. o
Pathophysiology), Semmelweis University Faculty of Medicine
Budapest, Hungary
- **2020 – 2021**
Professor,
Department of Morphology and Physiology, Semmelweis University
Faculty of Health Sciences, Budapest, Hungary
- **2019 – 2021**
Professor,
Institute of Translational Medicine, (previously: Dept. o
Pathophysiology), Semmelweis University Faculty of Medicine
Budapest, Hungary
- **2015 – 2021**
Professor,



Sport Physiology Res Center, Hungarian University of Science, Budapest, Hungary

Sports

- **2015 – 2018**
*Vice Rector for Scientific Affairs
University of Physical Education, Budapest, Hungary*
- **2010 – 2014**
*Vice Dean for Scientific Affairs,
University of Pécs, Hungary*
- **2008 – 2015**
*Chair,
Department of Pathophysiology, University of Pécs, Hungary*
- **2006 – 2008**
*Vice Dean, for General Affairs,
Semmelweis University, Budapest, Hungary*
- **2003 – Present**
*Professor, / emeritus professor,
Department of Physiology, New York Medical College, Valhalla, NY, USA*
- **1992 – 2002**
*Associate Professor,
Dept. of Physiology, New York Medical College, Valhalla, NY*
- **1989 – 1992**
*Assistant Professor,
Dept. of Physiology, New York Medical College, Valhalla, NY*
- **1987 – 1989**
*Research Associate
Dept. of Physiology, New York Medical College, Valhalla, NY*
- **1987 – 1992**
*Associate Professor,
Exp. Res. Dept. and 2nd Dept. of Physiology, Semmelweis University of
Medicine, Budapest, Hungary*
- **1982 – 1985**
*Research Associate,
Dept. of Physiology, University of Arizona, Tucson, AZ*
- **1982 – 1982**
*Research Associate,
Cerebrovascular Res. Center, University of Pennsylvania, Philadelphia,
PA*
- **1982 – 1987**
*Assistant Professor, Exp. Res. Dept. and 2nd Dept. of Physiology,
Semmelweis University of Medicine, Budapest, Hungary.*
- **1976 – 1981**
*Instructor,
Exp. Res. Dept. and 2nd Dept. of Physiology, Semmelweis University of
Medicine, Budapest, Hungary*
- **1969 – 1975**



Student Researcher, Semmelweis University of Medicine, Budapest, Hungary

Public activities at the university (board memberships, leadership positions)

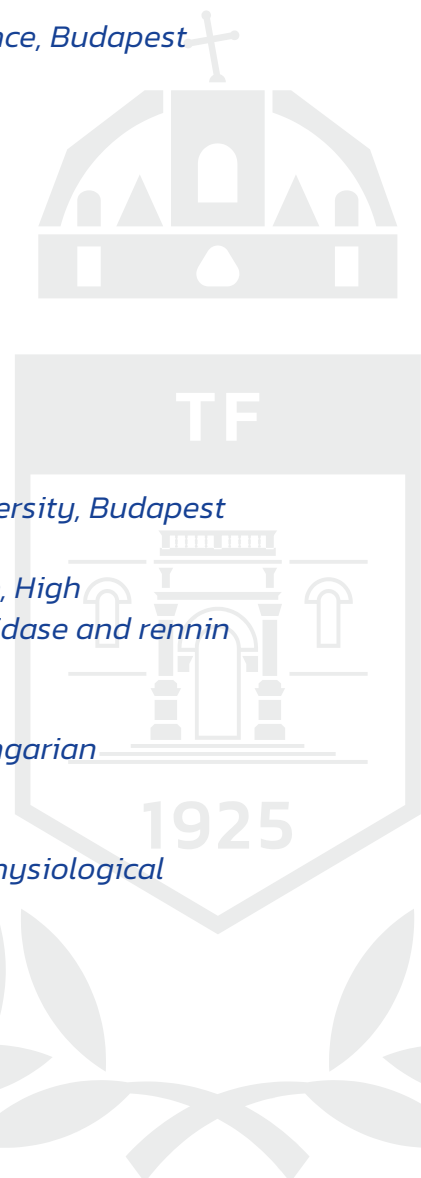
- **2004–2008**
*National Research, Development and Innovation Office, Hungary, (OTKA), Life Science section
President*
- **2006–2008**
*Semmelweis University, Budapest, Hungary
Vice Dean for General Affairs*
- **2008–2015**
*Chair,
Department of Pathophysiology, University of Pécs, Hungary*
- **2010–2014**
*University of Pécs, Hungary
Vice Dean for Scientific Affairs*
- **2016–2021**
*Scientific council, Hungarian University of Sports Science, Budapest
President*

Key study trips, missions

- *University of Arizona: 1982–1985*
- *New York Medical College: 1987–1992, 1995–2002*

Awards, titles, honors

- **2002**
Huzella Research Excellence Award, Semmelweis University, Budapest
- **2004**
European Microcirculation Society Award: Best Lecture, High intraluminal pressure upregulates arterial NAD(P)H oxidase and rennin angiotensin system via protein kinase C.
- **2009**
Gömöri Award for Basic Research in Hypertension, Hungarian Hypertension Soc.
- **2010**
Award for outstanding service to the „The American Physiological Society Cardiovascular Section”, USA
- **2014**
*Török Eszter Award
Hungarian Hypertension Soc.*
- **2014–jelen**



“Consultant of the 1st Board of Specialty Committee of Qi-Blood of World Federation Chinese Medicine Societies”. Peking, China

- **2018**
Outstanding Service Award from the European Society of Cardiology
- **2018**
Gabor Kaley Award for Research Excellence in Microcirculation, New York Medical College, NY, USA
- **2019**
Malpighi Award, European Society for Microcirculation (ESM)
- **2021**
A. Szent-Györgyi Award, EMMI – Ministry of Human Resources, Hungary
- **2022**
S. Korányi Award, Hungarian Nephrology Society, Szeged, Hungary
- **2023**
„Landis Award” Award, Microcirculatory Society (USA)
- **2025**
American Physiological Society 2025. Carl J. Wiggers Award

Language skills

language	speaking skills	writing skills	reading skills	do you do media appearance?
English	B	B	B	no
Russian	c	c	c	no

Research, expert activities

Major subjects and topics taught

- *Sports and Heart*
- *Gerontology and Geriatrics*

Field and discipline

- *Blood circulation*
- *Microcirculation*

Current research topics

- *Blood circulation*
- *Microcirculation*

Former research topics



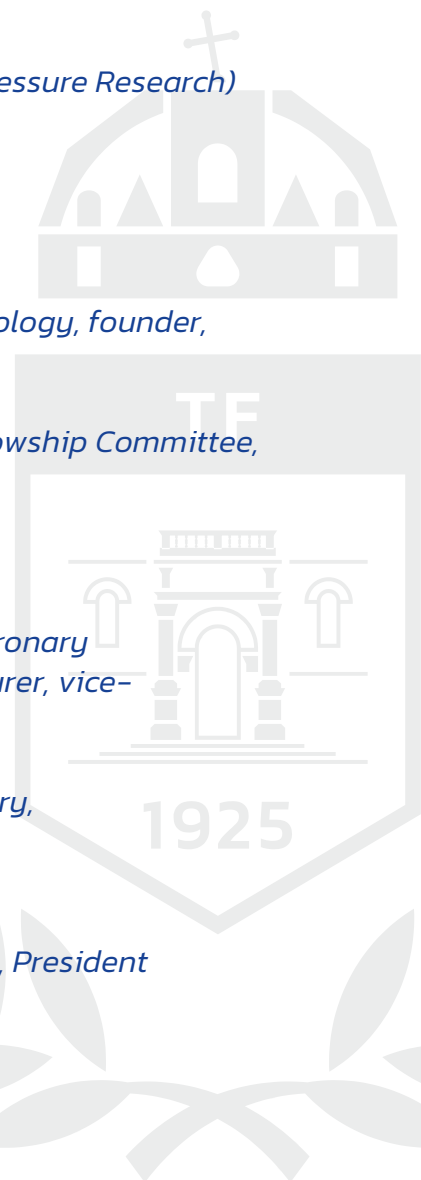
- *Blood circulation*
- *Microcirculation*

Key research

- *The structure of vascular microvascular networks*
- *Vasomotor role of the endothelium*
- *The role of hypertension in the development of microvascular dysfunction*
- *The role of homocysteine in the development of microvascular dysfunction*
- *Adaptation of blood circulation to sport*

Membership of a scientific or professional organization, or body

- *1975–present*
Hungarian Physiological Society (board member)
- *1980–present*
European Society for Microcirculation
- *1980–present*
American Physiological Society
- *1982–present*
American Heart Association (Council for High Blood Pressure Research)
- *1997–present*
The Hungarian Hypertension Society, member
- *1997–present*
Hungarian Society of Cardiology, member
- *2005–present*
Hungarian Society of Microcirculation and Vascular Biology, founder, President
- *2006–2008*
American Physiological Society, Membership and Fellowship Committee, Chairman.
- *2006–2008*
European Society for Microcirculation, President
- *2008–2018*
European Society of Cardiology, Working Group on Coronary Pathophysiology and Microcirculation, member, treasurer, vice-president, President
- *2011–2018*
European Society for Microcirculation, General Secretary,
- *2014–2018*
ESC Program Committee, Vice President
- *2017–present*
Hungarian Hypertension Society, Scientific Committee, President



Editorial board memberships and positions

- 1999–present
Co-Editor, *Physiology International* (previously: *Acta Physiologica Hungarica*)
- 2003–2010
American Journal of Physiology (Heart & Circulatory Physiology)
- 2007–present
Review Editor, *Journal of Vascular Research*, Co-Editor
- 2016–present
Associate Editor, *Special Issue on Small Vessels Big Problem*, *American Journal of Physiology, Heart and Circ. Physiology*

Expert advisory activities

- OTKA Physiological Jury, member and chairman
- Scientific Committee of the Hungarian Hypertension Society, chairman

Publications

- My publications in MTMT (*Catalogue of Hungarian Scientific Works*)
(<https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=authors10002221>)

Contacts

University residence

- Building: K1, 4th floor
- Room:
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- E-mail address: koller.akos@tf.hu

Other professional profiles

- LinkedIn:
- MTMT: 10002221
- Scholar: 6EVxQPAAAAJ
- Other:
- SCOPUS: 7102499922
- ORCID: 0000-0003-3256-8701
- Research ID: Q-4672-2019

