

Professional curriculum vitae

Name: **Dr. Tamás Radovits**
Place and date of birth: Veszprém, 07.07.1980
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Main interests: Nature, natural sciences, medicine, medical research

Studies - qualifications:

1986-94	Hriszto Botev Primary School, Veszprém
1994-98	Lovassy László Secondary Grammar School, Veszprém
1998- 2004	Semmelweis University, Faculty of Medicine, Budapest Scholar of the Republic (Academic year 2003/04) Diploma in medicine 'summa cum laude' (4,97)
2003-04	Ruprecht-Karls-Universität, Heidelberg, Germany 5months practical studies, ERASMUS scholarship programme
2004-07	Semmelweis University, Schools of PhD studies, Budapest As a scholar of the State Hungary participation in the PhD research program Physiology and Medicine of Ischaemic Circulatory Diseases'
2008	PhD doctoral diploma „summa cum laude” Title of the dissertation: „Novel antioxidant therapeutic strategies for cardiovascular dysfunction associated with ageing
2007-13	Semmelweis University, Internal medicine training program
2009-13	Semmelweis University, Heart and Vascular Center Budapest, postdoctor – clinical physician
2013	Good Clinical Practice (GCP-ICH) training
2013	Specialist for Internal Medicine
2020	Habilitation (Semmelweis University, cardiology)

Workplaces:

2007-	Semmelweis University, central resident 2007-2009, Heart and Vascular Center Department of Cardiology (clinical physician 2009-13, assistant lecturer 2013-14, assistant professor 2014-17, associate professor 2017-22, professor 2022-, deputy director for scientific affairs 2018-) Department of Surgical Research and Techniques (head of dept. 2023-)
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Scientific activity:

2000-04	Semmelweis University, Department of Physiology In the frame of Students' Scientific Association, investigation of bacterial killing activity of neutrophil granulocytes in the laboratory of Prof. Erzsébet Ligeti Demonstrator in the academic year 2003/04
2004.	Ruprecht-Karls-Universität Heidelberg, Biochemie Zentrum participation in molecular investigations of circadian rhythm in the laboratory of Prof. M. Brunner
2004-	Semmelweis University, Heart and Vascular Center and Ruprecht-Karls-Universität, Heidelberg, Klinik für Herzchirurgie: PhD-, and postdoctoral research activity in international cooperation: Investigation of the role of

oxidative stress in the pathogenesis and treatment in cardiovascular diseases

Scientific results:

International (as first/last author: 63, as co-author: 109), German (4) and Hungarian language publications (23) and citable congress abstracts (325): see attached publication list. Cumulative impact factor: 860.492, Cumulative citations: 2994 (independent: 2212), H-index: 29, MTMT-ID: 10013969

Professional decorations, awards

2006: Young Investigator Award (1st prize) of the Hungarian Society of Cardiology
2007: 'Bio-Science' Award of Semmelweis University, Schools of PhD Studies
2007: Richter Gedeon PhD-Research Award
2007 and 2015: Travel Award of the European Society of Cardiology, Council on Basic Cardiovascular Science
2011: Scientific Research Award of the Hungarian Society of Cardiology and Richter Gedeon Inc.
2011: Semmelweis University - Kúnos István Award
2012-15: János Bolyai Research Scholarship of the Hungarian Academy of Sciences
2012-14: 'Merit Award' of the Semmelweis University Faculty of Medicine
2014-16: 'Merit Award' of the Semmelweis University Faculty of Medicine
2016-18: 'Merit Award' of the Semmelweis University Faculty of Medicine
2019-21: 'Merit Award' of the Semmelweis University Faculty of Medicine
2016: Semmelweis University 'Excellent Students' Scientific Association tutor' Award
2016: 'Bolyai Emléklap' Award of the Hungarian Academy of Sciences
2016-19: János Bolyai Research Scholarship of the Hungarian Academy of Sciences
2016-17: Scholarship of the New National Excellence Program
2017: Semmelweis University 'Cardiovascularis Centrumért' Award
2018: Kuffler Mentor Award
2021: 15th anniversary joint scientific award of the Hungarian Society of Cardiology and Richter Gedeon Inc.
2021: 'Master Teacher Gold Medal' of the National Students' Scientific Association Council
2022: Semmelweis-Hero of the COVID-19 Pandemic award

Research grants awarded as principal investigator:

1. Cardiac effects of modulation of cyclic guanosine monophosphate signalling in diabetes mellitus (OTKA PD 100245 grant; HUF 12,000,000; 2012-14).
2. Gender differences in the development of functional and morphological characteristics of athlete's heart (ÚNKP-16-4 grant; HUF 990,000; 2016-17)
3. Investigation of the development and reversion of exercise-induced myocardial hypertrophy by modern imaging and molecular biological techniques in a rat model (ÚNKP-17-4 grant; HUF 1,400,000; 2017-18)
4. Experimental investigation of the pathogenesis and new therapeutic options for heart failure (NKFIH K_20 134939 grant; HUF 48,000,000; 2020-24)

Professional public activity:

Hungarian Society of Cardiology (MKT): member (2006-), MKT Working Group on Experimental Cardiology, board member, secretary (2010-), MKT Advisory Board, member (2013-), MKT Scientific Committee, member (2016-), MKT Presidium, member (2019-), MKT, notary (2019-)
European Society of Cardiology (ESC): member (2006-), ESC Working Group on Myocardial Function, member (2011-), ESC Working Group on Cellular Biology of the Heart, member (2014-), ESC Heart Failure Association (HFA), member (2015-), ESC HFA Heart Failure Specialists of Tomorrow (HoT), member, nucleus member (2015-20)
International Society for Heart Research (ISHR) – European Section, member (2015-)

European Vascular Biology Organisation (EVBO), member (2006-)
Hungarian Academy of Sciences, member of the general assembly (2010-)
Semmelweis University: Students' Scientific Association Council (member, secretary 2015-18, vice-president 2018-), Scientific Council (member, 2018-2020), Schools of PhD Studies, Quality Control and Evaluation Board (member, 2018-), Tender Monitoring Committee (rector's delegate, 2018-), Rector's Competition Theses Evaluating Committee (member, 2018-), Animal Welfare Committee (member, 2020-)
Studia Physiologica Foundation (board member 2016-)
National Research, Development and Innovation Office (NKFIH) Council of Medical and Biological Sciences (member, 2021-)

Scientific journal editing and manuscript review

ESC Heart Failure, associate editor (2017-), *Cardiologia Hungarica*, field editor (experimental cardiology) (2010-), reviewer at 49 scientific journals

Tutor activities at Students' Scientific Association (TDK) and Schools of PhD studies

Ruprecht-Karls-Universität, Heidelberg, Klinik für Herzchirurgie (2005-2009)
mentor of 7 doctoral students (4 dissertations)

Semmelweis University, Heart and Vascular Center, Budapest (2009-):

Accredited PhD-tutor in the Schools of PhD Studies at Semmelweis University, (Doctoral School of Basic Medicine, Doctoral program „Physiology and Medicine of Ischaemic Circulatory Diseases” from 2011 (PhD research topic: Role of nitro-oxidative stress and NO – cGMP – signalling in the development and treatment of cardiovascular diseases)

Tutor of 10 PhD-students and 1 individual PhD-applicant:

Dr. Attila Oláh (shared tutorship, obtained PhD degree in 2015), Dr. Csaba Mátyás (obtained PhD degree in 2017), Dr. Kálmán Benke (shared tutorship, obtained PhD degree in 2017), Dr. Balázs Tamás Németh (obtained PhD degree in 2020), Dr. Mihály Ruppert (obtained PhD degree in 2020), Dr. Dalma Kellermayer (obtained PhD degree in 2022), Dr. Alex Ali Sayour (obtained PhD degree in 2023), Dr. Bálint András Barta (shared tutorship), Dr. Szilvia Kugler (individual PhD-applicant, shared tutorship), Dr. Tímea Bálint (shared tutorship), Dr. Dávid Nagy (shared tutorship)

TDK-tutor of 29 students

39 presentations at university TDK-conferences (23 1st prize, 7 2nd prize, 4 3rd prize); 20 presentations at national TDK-conferences (8 1st prize, 7 2nd prize, 4 special prize); 24 presentations at international students conferences (1 main prize, 11 1st prize, 3 2nd prize díj, 4 special prize); 14 rector's competition thesis (9 1st prize, 4 2nd prize, 1 3rd prize); 4 Pro Scientia Gold Medals (Balázs Tamás Németh, 2013; Dalma Kellermayer, 2015; Mihály Ruppert, 2017; Alex Ali Sayour, 2019)

Tutor of 15 degree theses (15 excellent grade)

Foreign languages:

German: Advanced level state language examination

English: Intermediate level state language examination

Professional medical state language examination – intermediate level

Family:

married (spouse: Dr. Laura Kiscsatári),

2 sons (András, 2019; Márton, 2021)

Hobbies and interests:

Reading, gardening, wildlife, cycling, theatre, hungarian history