



Tamás HORVÁTH, M.D. Ph.D.

- Research Fellow
- Research Center for Sport Physiology
- Year of birth: 1977.

Qualifications, academic degrees

University degrees

- Medical Doctor (M.D.), Semmelweis University, 2005

Academic degrees and titles

- Doctor of Philosophy (Ph.D.), Semmelweis University, 2015

Professional career

Previous and current jobs, positions and titles

- 2021 – Research Fellow, Hungarian University of Sports Science
- 2020 – 2021 chief medical officer at HeartBit Ltd.
- 2016 – 2020 researcher at Medical Evolution Ltd.
- 2015 – 2019 Assistant Lecturer, Department of Hydrodynamic Systems, Budapest University of Technology and Economics.
- 2013 – 2015 Assistant Lecturer, Cardiovascular Imaging Research Group, Hungarian Academy of Sciences and Semmelweis University Heart and Vascular Center
- 2006 – 2013 Assistant Lecturer, Institute of Human Physiology and Clinical Experimental Research, Semmelweis University

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

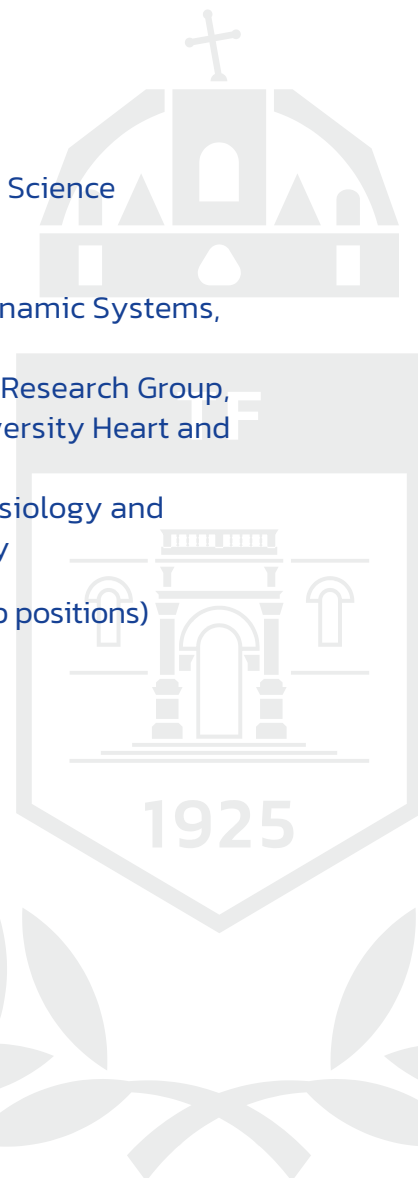
- NA

Key study trips, missions

- NA

Awards, titles, honours

- NA



Language skills

language	speaking skills	writing skills	reading skills	do you do media appearance?
English	proficient	proficient	proficient	NO

Research, expert activities

Major subjects and topics taught

- Medical physiology
- Statistical methods
- Hemodynamics

Field and discipline

- Cardiovascular control mechanisms
- Cardiovascular hemodynamics
- Cardiovascular image processing
- Biological signal processing

Current research topics

- Cardio-respiratory sport adaptation

Former research topics

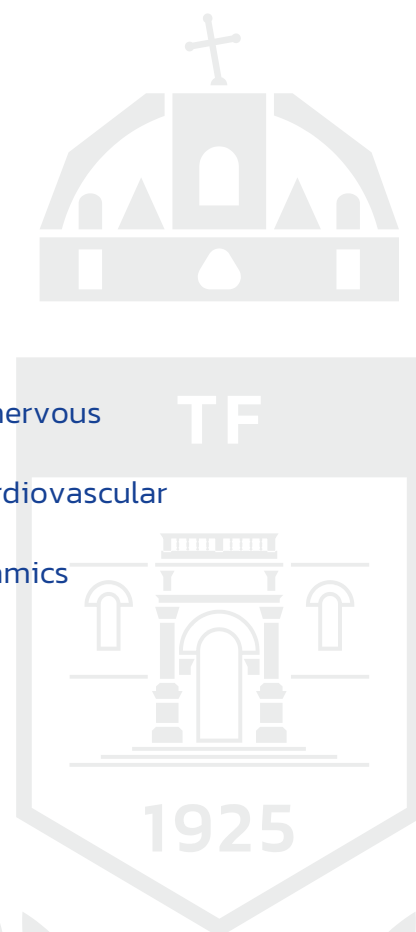
- Large arterial stiffness determination
- Cardiovascular control by endothelial and autonomic nervous mechanisms
- Epidemiological (classical) twin studies focusing on cardiovascular phenotypes
- Coronary imaging, invasive coronary artery hemodynamics
- Coronary blood flow modeling (1D and 3D)
- Cardiovascular image segmentation
- Blood pressure modeling in 1D arterial networks
- Cardiovascular data processing
- Biomedical data processing and visualization

Key research

- Cardio-respiratory sport adaptation

Membership of a scientific or professional organisation or body

- Hungarian Medical Chamber
- Hungarian Physiological Society



- Hungarian Society of Hypertension
- Hungarian Society of Cardiology

Editorial board memberships and positions

- NA

Expert advisory activities

- NA

Publications

- My publications in MTMT (Catalogue of Hungarian Scientific Works):
<https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=10025180>
- Orcid ID: orcid.org/0000-0003-3038-8643

Contacts

University residence

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- Phone number(s):
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Other professional profiles

- LinkedIn: <https://www.linkedin.com/in/tom-horvath-3aa3223a/>
- MTMT: 10025180
- Researcher ID: A-2061-2015
- Scholar: <https://scholar.google.hu/citations?user=48keimOAAAAJ&hl=hu>

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