



## Annamária Péter

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- *Research Fellow*
- *Department of Kinesiology*
- *Year of birth: 1990*

### Qualifications, academic degrees

#### University degrees

- **Master's degree Human kinesiologist (Exercise Physiology specialization), Human Kinesiology Programme, Semmelweis University Faculty of Physical Education and Sport Sciences, Budapest, Hungary**
- **Bachelor's degree, Human kinesiologist, Human Kinesiology Programme, Semmelweis University Faculty of Physical Education and Sport Sciences, Budapest, Hungary**

#### Academic degrees and titles

- **2020 Doctor of Philosophy, Biomechanics, University of Jyväskylä, Jyväskylä, Finland, [paivi.e.saari@juu.fi](mailto:paivi.e.saari@juu.fi)**

### Professional career

#### Previous and current jobs, positions and titles

- **2022 Sept, Research Fellow, Hungarian University of Sports Science, Budapest, Hungary**
- **2021 March–2022 Aug, Postdoctoral researcher, University of Nantes, Nantes, France**
- **2020 Jan–2020 May, Postdoctoral researcher, University of Jyväskylä, Jyväskylä, Finland**
- **2015–2020, PhD studies, University of Jyväskylä, Jyväskylä, Finland**

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

- **Key Organizer of a Blended Intensive Program (BIP) in Biomechanics: The basics of musculoskeletal modelling and simulation using OpenSim, 9–13/October/2023. HUSS, Budapest, Hungary**
- **Symposium Organiser; Scientific Symposium: Biomechanics in Sports and ageing, 11/10/2023. HUSS, Budapest, Hungary**
- **Monthly Meeting Coordinator of the International Women in Biomechanics, 2022/2023**

- *Symposium Coordinator, 17th International Symposium, Biomechanics of Human Movement: Mechanisms and Methods, 21–23/09/2016. Jyväskylä, Finland*
- *Volunteer, IOC World Conference on Prevention of Injury and Illness in Sport, 16–18/03/2017. Monte Carlo, Monaco*

*Key study trips, missions*

- *18–25 Sept 2024, Research Mobility funded by Pannónia Scholarship Programme, University of Nantes, Nantes, France*
- *8–12 July 2024, Erasmus Staff mobility for teaching and training activities, Blended Intensive Program, Politecnico Di Torino, Torino, Italy*
- *23–25 April, 2024, Research visit, University of Jyväskylä, Jyväskylä, Finland*
- *14–15 December 2023, Staff mobility to the 64th anniversary of the Faculty of Kinesiology at the University of Zagreb*  
*30 November–10 December 2023, Staff mobility to the next Finnish Institutions: Helsinki University Hospital, R5 Athletics & Health Centre Helsinki, University of Jyväskylä, University of Eastern Finland, Ruka Olympic Centre, KIHU Olympic Centre*
- *8–9 November 2023, Erasmus Staff mobility for teaching and training activities, University of Vienna, Vienna, Austria*
- *2018 Jan–Apr, Research visit, The Swedish School of Sport and Health Sciences (GIH), Stockholm, Sweden*
- *2017 Feb–Apr, Research visit, The Swedish School of Sport and Health Sciences (GIH) Stockholm, Sweden (funded by the University of Jyväskylä)*
- *2016 Nov–Dec, Research visit, University of Copenhagen, Copenhagen, Denmark (funded by International Society of Biomechanics)*
- *2014 Jan–June, Research assistant, University of Jyväskylä, Jyväskylä, Finland (funded by Campus Hungary)*

*Awards, titles, honours*

- *Peter Cavanagh Award for Basic Research, Kananaskis, Canada, 2019*
- *The Finnish Sports Physiotherapists Association (FSPA) Presentation Award (3rd prize), Helsinki, Finland, 2019*
- *Student grant from the Hungarian Republic, 2012–2013*
- *Excellence List of Semmelweis University, 2012*
- *Participation in the Talent Development Program named after Ödön Kerpel–Fronius, 2012– 2014 (mentor: Dr. Katalin Kovács)*

*Language skills*

<i>language</i>	<i>speaking skills</i>	<i>writing skills</i>	<i>reading skills</i>	<i>do you do media appearance?</i>
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English	C2	C2	C2	yes
German	B2	B2	B2	B2

## Research, expert activities

### Major subjects and topics taught

- *Biomechanics in practice*
- *Functional biomechanics*

### Field and discipline

- *Sport Science*
- *Biomechanics*

### Current research topics

- *Neuromechanical properties of individuals diagnosed with mid-portion Achilles tendinopathy*
- *MRI project on national elite runners (comparing the deep and superficial ankle plantarflexor muscles of sprinters and endurance runners)*

### Former research topics

- *Following the rehabilitation process (for 12 months from the incidence of the rupture) with basic biomechanical measurements of individuals who suffered a total Achilles tendon rupture to improve their rehabilitation process*
- *Neural and mechanical function of flexor hallucis longus at different walking speeds and in different footwear*

### Key research

- *Tendon length estimates are influenced by tracking location*
- *Non-uniform displacement within ruptured Achilles tendon during isometric contraction*
- *Effect of footwear on intramuscular EMG activity of plantar flexor muscles in walking*
- *Comparing surface and fine-wire electromyography activity of lower leg muscles at different walking speeds*
- *In Vivo Fascicle Behavior of the Flexor Hallucis Longus Muscle at Different Walking Speeds*
- *EMG and Force Production of the Flexor Hallucis Longus Muscle in Isometric Plantarflexion and the Push-off Phase of Walking*

## Publications

- *My publications in MTMT (Catalogue of Hungarian Scientific Works)*  
<https://m2.mtmt.hu/api/publication?cond=authors;eq;10039326&cond=core;eq:true&sort=publishedYear,desc&sort=firstAuthor>

## Contacts

### University residence

- *Building: L3*
- *Room: F/11*
- *E-mail address: peter.annamaria@tf.hu*

## Other professional profiles

- *MTMT: <https://m2.mtmt.hu/frontend/#view/Publication/SmartQuery/1127/>*
- *Scholar: <https://scholar.google.com/citations?user=tcVTOLAAAAAJ&hl=en>*
- *ORCID ID: <https://orcid.org/my-orcid?orcid=0000-0002-5197-6869>*
- *ResearchGate: <https://www.researchgate.net/profile/Annamaria-Peter-2>*

