



## János Négyesi

- assistant professor
- Department of Kinesiology
- Year of birth: 1988

### Qualifications, academic degrees

#### University degrees

- MSc Human kinesiology, Semmelweis University, Faculty of Physical Education and Sport Sciences
- BSc Human kinesiology, Semmelweis University, Faculty of Physical Education and Sport Sciences

#### Academic degrees and titles

- PhD (medicine), Tohoku University, Sendai, Japan

### Professional career

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

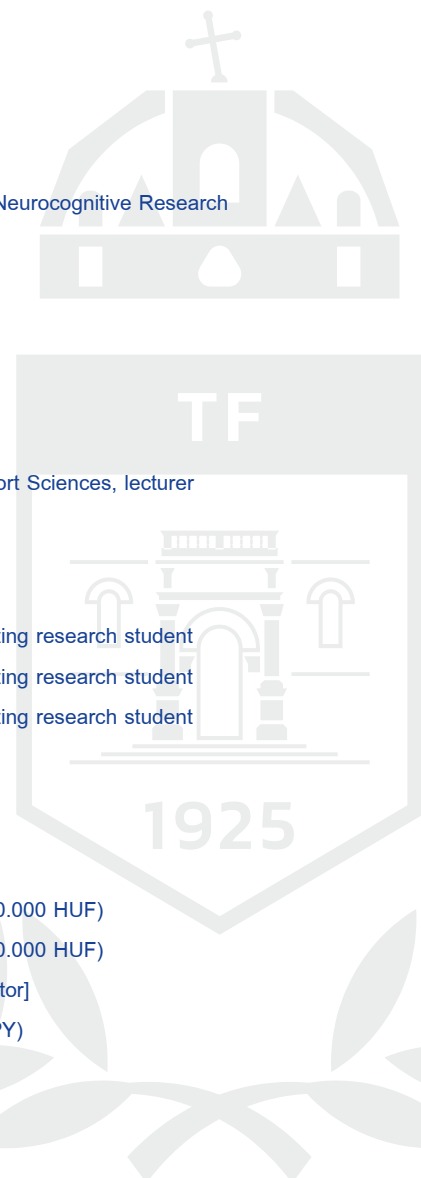
- 2023/02 – present: Hungarian University of Sports Science, assistant professor
- 2024/03 – present: Nyírő Gyula National Institute of Psychiatry, and Addictology, Neurocognitive Research Center, researcher
- 2024/06 – present: CRU Hungary Kft., researcher
- 2023/02 – 2024/02: Fit4Race Kft., head of sport sciences
- 2023/02 – 2024/03: Tohoku University (Japan), lecturer
- 2020/04 – 2023/01: Tohoku University (Japan), assistant professor
- 2014/08 – 2016/09: Fájdalom ambulancia Kft., head of the biomechanics lab
- 2014/08 – 2016/07: Semmelweis University, Faculty of Physical Education and Sport Sciences, lecturer

#### Key study trips, missions

- 2016/10 – 2017/03: Tohoku University (Japan), research student
- 2014/03 – 2014/08: University Medical Center of Groningen, The Netherlands, visiting research student
- 2012/09 – 2012/12: University Medical Center of Groningen, The Netherlands, visiting research student
- 2010/09 – 2010/12: University Medical Center of Groningen, The Netherlands, visiting research student

#### Awards, titles, honours

- 2024: Jász-Nagykun-Szolnok County Scientific Prize
- 2024: University Research Scholarship Program (EKÖP) (2.500.000 HUF)
- 2024: Research Fund of the Hungarian University of Sports Science (TEKA) (3.000.000 HUF)
- 2023: Research Fund of the Hungarian University of Sports Science (TEKA) (3.000.000 HUF)
- 2023: Hungarian Scientific Research Fund (OTKA) (47.940.000 HUF) [co-investigator]
- 2021: Japan Society for the Promotion of Science (JSPS) KAKENHI (2.600.000 JPY)



- 2021: Frontier Research Institute for Interdisciplinary Sciences (FRIS) Creative Interdisciplinary Research Program (2.000.000 JPY)
- 2016: Japanese Government (Monbukagakusho: MEXT) Scholarship
- 2015: Scholarship for National Youth Talents
- 2011: Semmelweis University, Excellent Student Assistant Award
- 2011: ProScientia Gold Medal
- 2011: Best presentation award, VI. International Scientific Conference of Students and Young Scientists, Medical and Biological Aspects of Physical Education and Sports, Moscow, Russia
- 2010: Scholarship of the Hungarian Republic
- 2009: Finalist for Presentation Award (Hungarian Academy of Sciences)
- 2009: Best presentation award, XXIX. National Congress on Sports Sciences for Students
- 2009: Special Award, XXIX. National Congress on Sports Sciences for Students
- 2008: Special Award, XIX. International Congress on Sports Sciences for Students

## Language skills

language	speaking skills	writing skills	reading skills	do you do media appearance?
English	near-native	near-native	near-native	yes

## Research, expert activities

### Major subjects and topics taught

- Research methodology, Statistics
- Motor Control and Learning

### Field and discipline

- cognitive neurosciences
- applied neurosciences

### Current research topics

- Investigation of morphological biomarkers associated with hemispheric asymmetry in neurodegenerative diseases
- The effects of cognitive decline on the accuracy, reaction time and movement execution time of motor sequence tasks performed with different task complexity
- The effects of laterality and its underlying neurologic background mechanisms in healthy individuals and clinical populations
- The effects of classical music-induced emotions on proprioception
- The effects of colored glasses on static and dynamic balance

### Former research topics

- The effect of compression, side-dominance and aging on knee joint position sense
- The contribution of the somatosensory system in visuomotor learning and interlimb transfer
- The relationship between landing strategy and the development of jumper's knee among Dutch and Hungarian volleyball players



- The background mechanisms of reactive force development induced by stretch-shortening cycle contractions

Key research

- **Négyesi J**, Zhang W, Wang Z, Nagatomi R. Changes in standing stability when wearing different colored glasses cannot be determined by participants' subjective preference – A crossover randomized single-blinded pilot study. *GAIT & POSTURE* 2024; 112:108-114. Original research paper, **IF: 2.4, Q1 (Rehabilitation)**
- **Négyesi J**, Négyesi P, Hortobágyi T, Sun S, Kusuyama J, Kiss RM, et al. Handedness did not affect motor skill acquisition by the dominant hand or interlimb transfer to the non-dominant hand regardless of task complexity level. *SCIENTIFIC REPORTS*. 2022;12(1):18181. Original research paper, 2 year **IF: 4.6, Q1 (Multidisciplinary)**
- **Négyesi J**, Petró B, Salman DN, Khandoker A, Katona P, Wang Z, et al. Biosignal processing methods to explore the effects of side-dominance on patterns of bi- and unilateral standing stability in healthy young adults. *FRONTIERS IN PHYSIOLOGY*. 2022;13:965702. Original research paper, **IF: 3.2, Q1 (Physiology - medical)**
- **Négyesi J**, Hortobágyi T, Hill J, Granacher U, Nagatomi R. Can Compression Garments Reduce the Deleterious Effects of Physical Exercise on Muscle Strength? A Systematic Review and Meta-Analyses. *SPORTS MEDICINE*. 2022:1-17. Review article, 5 year **IF: 12.6, Q1 (Medicine)**
- Talar K, Vetrovsky T, van Haren M, **Négyesi J**, Granacher U, Váczi M, Martín-Arevalo E, Del Olmo M, Kalamcka E, Hortobágyi T. The effects of aerobic exercise and transcranial direct current stimulation on cognitive function in older adults with and without cognitive impairment: A systematic review and meta-analysis. *AGEING RESEARCH REVIEWS*. 2022;81:101738. Review article, **IF: 13.1, Q1 (Aging, Neurology)**
- **Négyesi J**, Zhang LY, Jin RN, Hortobágyi T, Nagatomi R. A below-knee compression garment reduces fatigue-induced strength loss but not knee joint position sense errors. *EUROPEAN JOURNAL OF APPLIED PHYSIOLOGY*. 2021;121(1):219-29. Original research paper, 5 year **IF: 3.3, Q1 (Orthopedics and Sports Medicine)**

Membership of a scientific or professional organisation or body

- Society for Neuroscience
- Federation of European Neuroscience Societies
- Hungarian Neuroscience Society
- European College of Sport Science
- Hungarian Society of Sport Science
- Society for ProScientia Gold Medalists
- Excellency List of Semmelweis University

Editorial board memberships and positions

- Frontiers in Physiology – invited editor
- BMC Musculoskeletal Disorders - reviewer
- Scientific Reports - reviewer
- European Journal of Integrative Medicine - reviewer
- Journal of Motor Behaviour - reviewer
- Journal of Sports Science and Medicine - reviewer
- Somatosensory & Motor Research - reviewer
- Biomechanica Hungarica - reviewer
- Physiology International - reviewer
- Medicine & Science in Sports & Exercise - reviewer



## Publications

- My publications in MTMT (Catalogue of Hungarian Scientific Works)  
(<https://m2.mtmt.hu/gui2/?type=authors&mode=browse&sel=authors10026071>)

## Contacts

### University residence

- Building: L3
- Room: F/11
- Phone number(s): +36-1-488-1521
- E-mail address: [negyesi.janos@tf.hu](mailto:negyesi.janos@tf.hu)

## Other professional profiles

- LinkedIn: <https://www.linkedin.com/in/jnegyesi/>
- MTMT: 10026071
- ResearchGate: <https://www.researchgate.net/profile/Janos-Negyesi>

