Curriculum Vitae

Personal Informations

Name	Mariann Percze-Mravcsik
Date and place of birth:	1990, Hungary
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Education

2014 -2022	University of Pécs, Doctoral School of Biology and Spotbiology, PhD in Biology
2012 - 2014	Semmelweis University, Faculty of Physical Education and Sport Sciences, Human Kinesiology, MSc
2009 - 2012	Semmelweis University, Faculty of Physical Education and Sport Sciences, Human Kinesiology, BSc

Work experiences

2018 -	Junior researcher Wigner Research Centre for Physics, Department of Computational Sciences, Neurorehabilitation and Motion Control Research Group
2017 – 2018	Assistant research fellow Wigner Research Centre for Physics, Department of Computational Sciences, Rehabilitation-technology Research Group

Foreign languages

English	intermediate
German	basic

Projects

OMAA 94öu7 project „Entwicklung von Rehabilitationsprotokollen für Rückenmarkeverletzte" hungarian-austrian cooperational programme

GINOP-2.3.3-15-2016-00032 „Formation of Research Centre of Neuro Rehabilitation and Human-Computer Interaction at the University of Pécs"

GINOP 2.3.2.-15-2016-00022 „3D printing and design visualization technologies, interdisciplinary research, education and development center for the University of Pécs"

Publications

Mravcsik, M, Botzheim, L., Zentai, N., Piovesan, D., & Laczko, J. (2021). The Effect of Crank Resistance on Arm Configuration and Muscle Activation Variances in Arm Cycling Movements. Journal of Human Kinetics, 76, 175–189. https://doi.org/10.2478/hukin-2021-0053

Radeleczki, B, **M Mravcsik**, L Botzheim, and J Laczko. 2022. "Prediction of Leg Muscle Activities from Arm Muscle Activities in Arm and Leg Cycling." Anatomical Record. doi:10.1002/ar.25004

Fodor A, Naszlady MS, **Mravcsik M**, Klauber A, Cserháti P, Laczko J, Horváth M (2022) Effect of FES controlled cycling training on cardiovascular and pulmonary systems in a spinal cord injured patient. Current Directions in Biomedical Engineering, 8(3), pp. 29-32.

Botzheim L, Ernyey D, **Mravcsik M**, Varaljai L, Klauber A, Cserhati P, Laczko J (2022). Changes in active cycling time and distance during FES-assisted cycling before and after the pandemic closure—A case study. Artificial Organs, Vol 46 (1), E178-E182

Botzheim L, Laczko J, Torricelli D, **Mravcsik M**, Pons JL, Oliveira Barroso F. (2021) Effects of gravity and kinematic constraints on muscle synergies in arm cycling. Journal of Neurophysiology, 2021 Apr 1;125(4):1367-1381. doi: 10.1152/jn.00415.2020. Epub 2021 Feb 3. PMID: 33534650

Mravcsik, M, Klauber, A., Putz, M., Kast, C., Mayr, W., & Laczko, J. (2019). Tricycling by FES quadriceps muscles leads to increased cycling speed over series of trainings of persons with flaccid paraplegia. The 13th Vienna International Workshop on Functional Electrical Stimulation, Proceedings Book pp. 133–135.

Laczko J, **Mravcsik M**, Katona P (2016). Control of Cycling Limb Movements: Aspects for Rehabilitation. Advances in Experimental Medicine and Biology, Vol. 957:273-289. https://doi: 10.1007/978-3-319-47313-0_15.