

## **EDUCATION**

2015	<i>Doctor of Philosophy</i> (PhD.) in the field of Normal and Pathological Physiology, Faculty of Medicine, Comenius University, Bratislava
2010	<i>Doctor of Natural Sciences</i> (RNDr.), Faculty of Natural Sciences, Constantine the Philosopher University, Nitra
2009	<i>Master of Sciences</i> (MSc., Mgr.), Faculty of Natural Sciences, Constantine the Philosopher University, Nitra

## **PROFESSIONAL EXPERIENCE**

1/2018 - present	Center of Experimental Medicine, Slovak Academy of Sciences, Bratislava, Department of Behavioural Neuroscience
2/2010 – 12/2017	Institute of Normal and Pathological Physiology, SAS Bratislava, Laboratory of Motor Control
4/2013 – 7/2013	Visiting Research Scholar in the Department of Neurology, Oregon Health and Science University, Portland, Oregon, USA, Balance Disorders Laboratory

<i>Position:</i>	research associate (scientific qualification IIa)
<i>Main competencies:</i>	representative of the principal investigator and co-investigator of the national and international research projects; first author and co-author of scientific publications in CC journals (e.g., <i>Frontiers in Human Neuroscience</i> , <i>Gait and Posture</i> , <i>Neuroscience Letters</i> ); peer-reviewer in CC journals (e.g., <i>Frontiers in Neurology</i> , <i>Scientific Reports</i> , <i>Journal of Personalized Medicine</i> ); organizer of the 6th (2011), 7th (2015) and 8th (2018) International Posture Symposium, Smolenice, Slovakia, <a href="http://www.posture.sk">www.posture.sk</a> ; skills in human postural control measurements and analyses – posturography, kinematic analyses by inertial sensors, motion capture systems, sensory stimulation methods

<i>Research interest:</i>	influence of sensory information on maintaining equilibrium during standing and walking, analysis of postural control mechanisms, analysis of postural responses to proprioceptive and visual stimulations during stance and gait initiation
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## **RESEARCH PROJECTS**

### **National research projects – representative of the principal investigator**

1/2022 – 12/2024	Postural threat in virtual reality in adults with height intolerance. VEGA 2/0080/22
8/2021 – 6/2025	Novel approach to post-stroke rehabilitation. A basic and translational study, aiming to restore posture control and body symmetry in post-stroke patients by sensory stimulation. APVV-20-0420

### **National research projects – co-investigator**

2019 – 2021	The effect of virtual reality on the sensory regulation of balance control, physiological and psychological functions in humans. VEGA 2/0104/19
2017 – 2019	Design and implementation of visual biofeedback for the rehabilitation of mobility deficiencies in patients with low back pain. APVV-16-0233
2017 – 2019	Specific methods and innovative procedures for assessing performance in athletes and physical fitness in the general population. VEGA 1/0824/17
2016 – 2018	Age-related changes in sensory control of balance during sit -to-stand and gait. VEGA 2/0094/16
2014 – 2016	Functional tests in diagnostics of postural stability and strength of core muscles. VEGA

1/0373/14

- 2013 – 2015 Kinematic analysis of posture and gait in healthy subjects and patients with balance impairment. VEGA 2/0138/13
- 2011 – 2013 Performance tests of postural stability in functional diagnosis of sportmen and individuals with motor disorders. VEGA 1/0070/11
- 2010 – 2012 Improvement of balance in stance and gait by feedback from body sway. VEGA 2/0186/10

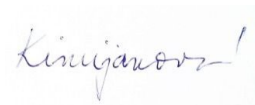
**International research projects – co-investigator**

- 2016 – 2017 Postural and core stability in association with respiratory functions in healthy and lung transplant individuals. APVV SK-AT-2015-0031
- 2013 – 2015 Sensory integration for stance and gait in healthy people and neurological patients. SAS-OHSU
- 2010 – 2011 Sensory biofeedback for human balance improvement. SAIA 2010-03-15-0004

***MEMBERSHIP IN THE SCIENTIFIC SOCIETIES***

- Slovenská lekárska spoločnosť (SLS) – member  
Slovenská fyziologická spoločnosť (SFyS) – member  
Slovenská neuropsychiatrická spoločnosť (SNpS) – member  
Sekcia pre výskum mozgu a správania – member  
Spolok slovenských lekárov v Bratislave (SSLBA) – member

Bratislava, september 2022



Jana Kimijanová