

# Understanding dynamics of neurodegenerative diseases: integrating computational and experimental neuroscience

Scientific workshop

20 September 2018

Neuroscience Institute, Lithuanian University of Health Sciences  
203 auditorium, Eiveniu str. 4, Kaunas, Lithuania

- 8.30-9.00 **Registration. Coffee/Tea**
- 9.00-9.10 **Opening and welcome**  
Dr. Rima Naginiene, Neuroscience Institute, Lithuanian University of Health Sciences, Kaunas, Lithuania
- 9.10-9.30 **Advancing understanding of neurodegenerative diseases through theoretical and computational neuroscience.**  
Dr. Ausra Saudargiene, Neuroscience Institute, Lithuanian University of Health Sciences, Kaunas, Lithuania
- 9.30-10.00 **Mechanisms of cell death in Alzheimer's disease.**  
Prof. Vilmante Borutaite, Neuroscience Institute, Lithuanian University of Health Sciences, Kaunas, Lithuania
- 10.00-10.30 **Computational modelling of pathological changes associated with Alzheimer's disease**  
Prof. Peter Jedlicka, 3R Center, Faculty of Medicine, Justus-Liebig-University, Giessen, Germany; NeuroScience Center, Clinical Neuroanatomy, Goethe-University, Frankfurt am Main, Germany
- 10.30-11.00 **Organ-on-a-chip for studying of neurodegenerative mechanisms in humanized in vitro models**  
Dr. Aiste Jekabsonė, Neuroscience Institute, Lithuanian University of Health Sciences, Kaunas, Lithuania
- 11.00-11.30 Discussion. Coffee/Tea
- 11.30-13.00 Visits to the laboratories of Lithuanian University of Health Sciences, Kaunas, Lithuania

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*Photo: courtesy of Dr. Silvija Jankeviciute, Laboratory for Research of Pharmacological Regulation of Pathological Processes and Drug Metabolism, Neuroscience Institute, Lithuanian University of Health Sciences, Kaunas, Lithuania*

