

Saturday 2 December

14:30

Neural Networks: Part I

Session

Location: Jagiellonian University, A-1-06, Faculty of Physics, Astronomy and Applied Computer Science, Jagiellonian University, ul. prof. Stanisława Łojasiewicza 11, 30-348 Kraków

Convener: Jeremi Ochab

14:30-15:15

Cholinergic modulation of neuronal excitability underlies differential dynamics and roles of NREM and REM sleep during sleep dependent memory consolidation.

Speaker

Michal Zochowski

15:15-16:00 Kinematics of mice reinforcement learning in intelligent cages

Speaker

Daniel Wójcik

16:00

Sunday 3 December

09:30

Neural Networks: Part II

Session

Location: Jagiellonian University, A-1-06, Faculty of Physics, Astronomy and Applied Computer Science, Jagiellonian University, ul. prof. Stanisława Łojasiewicza 11, 30-348 Kraków |

Convener: Zuzanna Szymańska

09:30-10:15

Fractal and multifractal organisation of neuroimaging signals in cognitive tasks and in disease

Speaker

Jeremi Ochab

10:15-10:35

Exploring Dendritic Plasticity: How Synaptic and Ion Channel Adaptations Enable Single Neurons to Rival Artificial Neural Network Complexity

Speaker

Ziemowit Sławiński

10:35-10:55

Mapping Brain Connections: The Role of Relaxin 3/RXFP3 system in Behavior and Functionality

Speaker

Gabriela Czerniak

10:55-11:15

About hierarchical correlation reconstruction, multi-feature Granger causality, and others

Speaker

Jarek Duda

11:15