

Neuroscience in Focus 2026

Neuroscience Day
at Department of Physiology and Neurobiology

ELTE, Southern Building
Entz Géza Room (6-104)

2026
05/02

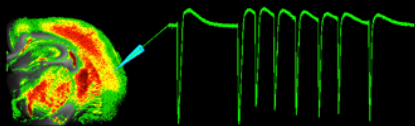
Program

9:00 **Prof. Árpád Dobolyi**
Opening



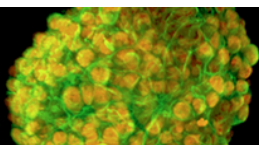
NEUROBIOLOGY AND NEURODEGENERATIVE DISEASES
RESEARCH GROUP (Semmelweis University)

9:05 **Melinda Gazdik**
Functional characterization of antipsychotic action on mouse hippocampal and genetically reprogrammed human neurons in vitro



EX VIVO ELECTROPHYSIOLOGY
GROUP

9:25 **Zsuzsanna Szeredi-Faragó**
Hippocampal local field potentials evoked by 4-aminopyridine in the VPA rat model of autism



DEVELOPMENTAL STEMCELL NEUROBIOLOGY
GROUP

9:45 **Júlia Puskás**
Hyperactivity Patterns in the VPA-Induced ASD Model

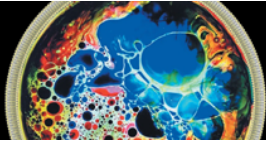
10:00 **Eszter Geiszelhardt**
Comparative analyses of VPA-induced and Kleeftstra syndrome based in vitro ASD models

10:20 Coffee Break

10:40 **Brigitta Tagscherer-Micska**
Automated generation and characterization of 3D neural cell models

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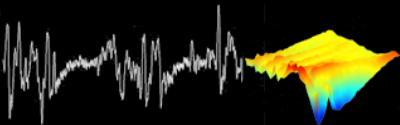
Neuroscience Day at Department of Physiology and Neurobiology



NEURONAL SCAFFOLD PROTEIN RESEARCH GROUP

11:00 **Daniel Kimsanaliev**

Isoform-specific and age-dependent behavioural roles of Caskin scaffold proteins

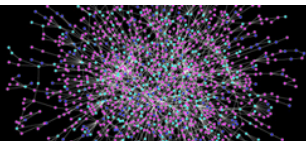


IN VIVO ELECTROPHYSIOLOGY GROUP

11:20 **Dorka Kárász**

Effect of post-weaning social isolation on baseline and recovery sleep and EEG patterns in male rats

11:40 Lunch Break



MOLECULAR AND SYSTEMS NEUROBIOLOGY GROUP

12:20 **Tamara Cecília Kállai**

IntelliCage assessment reveals cognitive deficits intensified by ovariectomy in 3xTg-AD mice

12:35 **Lilla Radvan**

Chemogenetic and pup-induced activation of a thalamo-preoptic pathway suggests its maternal function

12:50 **Vivien Szendi**

Functional characterization of the lateral septal calbindin neurons in maternal care

13:10 **Teadora Tyler**

Identification of cell types and their potential interactions in the mouse PIL using scRNAseq and a novel interactive signaling visualization tool

13:30 **Árpád Dobolyi**

How social touch reduces aggression

14:00 Closing Remarks