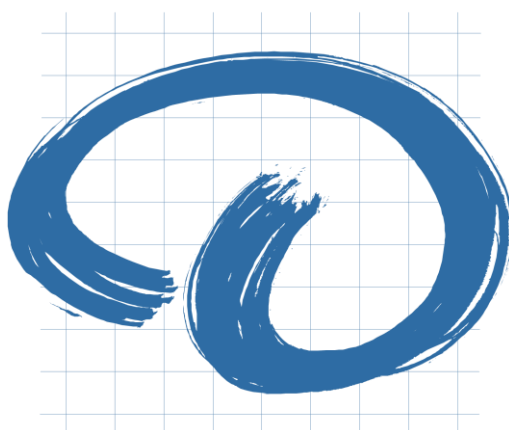


Institute of Experimental Medicine *Hungarian*
Academy of Sciences

XXI. SCIENTIFIC SYMPOSIUM

PROGRAMME GUIDE



October 6-7, 2017

Balatonfüred

**RESEARCH LABORATORIES OF IEM WITH HYPERLINKS TO THEIR
PUBLICATIONS**

PROF. GYÖRGY BUZSÁKI (NEW YORK UNIVERSITY, NEW YORK, USA)

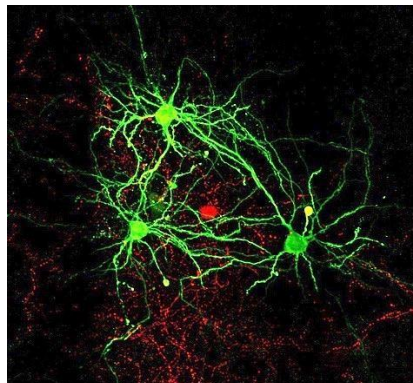
PROF. BARRY EVERITT (UNIVERSITY OF CAMBRIDGE, UK)

PROF. GEORGE KUNOS (NIH-NIAAA, BETHESDA, USA)

PROF. GARETH LENG (UNIVERSITY OF EDINBURGH, UK)

PROF. ISTVÁN MÓDY (UNIVERSITY OF CALIFORNIA, LOS ANGELES, USA)

PROF. JÁNOS SZOLCSÁNYI (PÉCS UNIVERSITY, PÉCS, HUNGARY)



COURTESY OF JUDIT VERES

FRIDAY, OCTOBER 6

11:00-11:10 WELCOME

TAMÁS F. FREUND

SESSION 1

MODERATOR: TAMÁS F. FREUND

11:10-11:30

PÉTER PAPP, A. SZÖNYI, R. GÖNCZI, K. ZICHÓ, Z. BARDÓCZI, K. SÓS, T. FREUND AND G. NYÍRI

A new cell type in median raphe controls aversive behavior

Laboratory of Cerebral Cortex Research

11:30-11:50

CSABA CSERÉP, B. ORSOLITS, N. LÉNÁRT, B. MARTINECZ, R. FEKETE, E. CSÁSZÁR, K. TÓTH,

B. PÓSFAL, ZS. KÖRNYEI AND A. DÉNES

Molecular anatomy and function of microglia-neuron communication hot spots

Laboratory of Neuroimmunology

11:50-12:10

ZOLTÁN KRISTÓF, VARGA, Á. ZSIGMOND, D. PEJTSIK, L. BÍRÓ, K. DEMETER, J. HALLER, M.

VARGA AND M. ALICZKI

Advantages and limitations of the zebrafish (*Danio rerio*) model in neurobehavioral research

Laboratory of Behavioural and Stress Studies

12:10-12:30

SNEZANA BALIND RAUS AND J. MAKARA

Heterogeneity of dendritic Ca²⁺ spikes in CA3 pyramidal neurons

Lendület Laboratory of Neuronal Signaling

12:30-12:50

PÉTER EGRI, D. NÉMETHY AND B. GEREBEN

Generation and characterization of a recombinant FRET sensor to assess cytoplasmic thyroid hormone levels in living cells

Laboratory of Molecular Cell Metabolism

13:00-14:20 LUNCH

STORM super-resolution imaging of dendritic CB1 cannabinoid receptor

Lendület Laboratory of Molecular Neurobiology

10. DIÁNA PEJTSIK, Z. K. VARGA, Á. ZSIGMOND, L. BÍRÓ, K. DEMETER, J. HALLER, M. VARGA AND M. ALICZKI

High-throughput analysis of anxiety-like behavior in zebrafish: The swimming plus-maze test

Laboratory of Behavioural and Stress Studies

11. RICHÁRD SINKÓ, P. MOHÁCSIK, CS. FEKETE AND B. GERESEN

Age-dependent responsiveness of the hypothalamo-pituitary-thyroid axis to bacterial lipopolysaccharide induced nonthyroidal illness syndrome

Laboratory of Molecular Cell Metabolism

12. DIÁNA BALÁZSFI AND B. HANGYA

Cholinergic activity in a classic sustained attention task

Lendület Laboratory of System-Neurobiology

13. LÁSZLÓ SZENTE, Z. BALOGH, Z. K. VARGA, L. BÍRÓ, J. HALLER AND M. ALICZKI

Interactions of endocannabinoids anandamide and 2-arachidonoylglycerol in the regulation of behavioral responses to traumatic events

Laboratory of Behavioural and Stress Studies

14. BERTALAN ANDRÁSFALVY AND J. MAKARA

Intracellular recordings from CA3 pyramidal neurons in vivo

Lendület Laboratory of Neuronal Signaling

15. ERIK HRABOVSKY, A. CSEPREGI, B. Á. BORSAY, K. RÁCZ AND K. SKRAPITS
Anatomical evidence indicates that reproductive aging of human males coincides with enhanced kisspeptin output from neurokinin B fibers

Laboratory of Endocrine Neurobiology

16. JUDIT RÉKA GLAVINICS, V. MICZÁN, B. DUDOK, Z.I. LÁSZLÓ AND I. KATONA
Nanoscale Bayesian clustering-based characterization of the presynaptic molecular architecture at GABAergic synapses.

Lendület Laboratory of Molecular Neurobiology

17. CHRISTINA MISKOLCZI, B. BRUSZIK, L. BÍRÓ, B. TÖRÖK, M. ALICZKI, D. ZELENÁ, M. TÓTH AND É. MIKICS

Early social deprivation-induced changes in social and emotional behavior in mice

Laboratory of Behavioural and Stress Studies

18. TAMÁS LASZLOVSZKY, Á. KEPECS AND B. HANGYA