Bogomoletz Institute of Physiology  
4 Bogomoletz St., Kiev, Ukraine  

PROGRAM

1 day, Thursday, September 24, Conference Hall

13:30 – 15:00 – Registration  
15:00 – 15:30 – Opening Ceremony. Oleg Krishtal  
15:30 – 16.00 – Nana Voitenko. Oleg Krishtal and ion channels  
16.00 – 17.00 – Greetings  
17:00 – Welcome Party

2 day, Friday, September 25, Conference Hall

Chair – Alexej Verkhratsky
10:00 – 10:30 – Sierd Cloetingh (President of Academia Europaea) - Challenges and opportunities for Science in Europe: perspectives from Academia Europaea and the European Research Council

10:30 – 11.00 – Jerzy Duszyński (President of the Polish Academy of Sciences) - Recent challenges and opportunities for the Polish Academy of Sciences

11:00 – 11:30 – Eva Kondorosi (Chair of the Working Group on Widening European Participation of the European Research Council and member of the European Research Council) Towards widening of Pan-European participation in the research opportunities provided by the European Research Council

11:30 - 12:00 – Coffee Break  
Chair – Dmitri Rusakov
12:00 – 12:30 – Alexej Verkhratsky (Manchester University, Manchester, UK) - Principles of Neurogliopathology

12:30 – 13:00 – Ole Peterson (Cardiff University, Cardiff, Wales, UK) - 35 years of giga-seal patch clamp current recording in non-neuronal cells

13:00 – 13:30 – Alexey Boyarsky (EPFL, Lausanne, Switzerland) - ScienceWISE - collaborative semantic environment for science

13:30 – 14:30 – Lunch, Seminar on High-throughput computing in biological research. Chair - Martha Nowycky

14:30 – 15:00 – Dmitri Rusakov (University College London, London, UK) - Nanomolar Ca²⁺ landscapes in neurons and glia unveiled with time-resolved fluorescence microscopy
15:00 – 15:30 – Shyam S. Chatterjee (Institute of Medical Engineering and Biophysics, Research Centre Karlsruhe, Karlsruhe, Germany) - From covalent bonds to phyto-pharmacology via ion channels for trimming the brain

15:30 – 16:00 – Evgeni Ponimaskin (Hannover Medical School, Hannover, Germany) - Functional interplay between 5-HT7 receptor, MMP-9, and CD44 in the regulation of neuronal plasticity

16:00 - 16:30 – Coffee Break
Chair - Aleksandr Zholos

16:30 – 17:00 – Georgy Bakalkin (Uppsala University, Uppsala, Sweden) - Endogenous Opioid System in Spinal Cord Plasticity

17:00 – 17:30 – Boris Safronov (Institute for Molecular and Cell Biology, Porto, Portugal) - Nociceptive processing in the superficial dorsal horn

17:30 – 18.00 - Martha Nowycky (New Jersey Medical School, New Jersey, USA) - TRPC4/5 channels in neurons

18.00 – 18.30 - Emilio Carbone (University of Torino, Torino, Italy) – Cav1.3, BK and SK channels as regulators of neuron-like firing in neurosecretory cells

19.00 – 22.00 – Dinner (by invitation)

3 day, Saturday, September 26. Conference Hall.
Chair - Emilio Carbone

10:00 – 10:30 – Aleksandr Zholos (Taras Shevchenko Kyev National University, Kyev, Ukraine) - TRP channels in health and disease: their pharmacology, biophysics and species differences

10:30 – 11:00 – Jacek Kuznicki (International Institute of Molecular and Cell Biology, Warsaw, Poland) - SOCE in neurons in health and disease

11:00 – 11:30 – Aleksandr Petrenko (Shemyakin-Ovchinnikov Institute of Bioorganic Chemistry, Moscow, RF) - Receptors for hydroxyl

11:30 - 11:45 – Coffee Break
Chair – Nana Voitenko

11:45 – 11:50 – Platon Kostyuk Award 2015 Ceremony and young scientists’ session.

11:50 – 12:00 – Talk of the Kostyuk Awardee

12:00 – 12:10 – Volodymir Kroto (Bogomoletz Institute of Physiology, Kyev, Ukraine) - Pain-induced changes in synaptic drive and postsynaptic AMPARs in dorsal horn neurons.

12:10–12:20 - Elena Isaeva (Bogomoletz Institute of Physiology, Kyev, Ukraine) – Contribution of PAR1 in epileptogenesis

12:20 – 12:30 – Volodymyr Cherkas (Bogomoletz Institute of Physiology, Kyev, Ukraine) – Hippocalcin signaling in hippocampal neurons

12:30 – 12:40 – Oleksii Grygogov (Bogomoletz Institute of Physiology, Kyev, Ukraine) – Role of K+ channels in firing hippocampal neurons

12:40 – 12:50 – Oleksandr Maximyuk (Bogomoletz Institute of Physiology, Kyev, Ukraine) – Novel antagonist of ASIC channels

13:00 – 20:00 – Boat Trip on Dnipro River including guided tour to Mezhigirja (by invitation)