

PROGRAM

06 June 2019 (Thursday), 3rd floor, small conference hall IBCH RAS

9:30 REGISTRATION

9:45 SCHOOL OPENING (Welcome to small conference hall)

10:00 – 10:15 Academician Alexander Gabibov, IBCH RAS Greeting

10:15 – 10:45 Prof. Vadim Cherezov, University of Southern California and Moscow Institute of Physics and Technology Structural Studies of G Protein-Coupled Receptors

10:45 – 11:15 Prof. Alexander Sobolevsky, Columbia University Structural mechanisms of AMPA receptor regulation and gating

11:15 – 11:45 Prof. Zakhar Shenkarev, IBCH RAS Spider toxin Hm-3 differently interacts with voltage-sensing domains of Nav1.4 sodium channel

11:45 – 12:15 Dr. Konstantin Mineev, IBCH RAS Elucidating the mechanisms of intracellular signaling using NMR spectroscopy and large fragments of single-pass cell receptors

12:15 – 12:35 *Coffee-break*

12:35 – 13:05 Prof. Victor Kostyuchenko, Duke-NUS Medical School. Cryo-EM Studies of flaviviruses

13:05 – 13:35 Prof. Vladimir Polshakov, Lomonosov Moscow State University NMR studies of structure and functions of telomerase components

13:35 – 14:05	Dr. Eduard Bocharov, IBCH RAS	Lipid-mediated mechanism of signal transduction via transmembrane domains of bitopic receptors
14:05 – 15:05	<i>Lunch Time</i>	
15:05 – 15:30	Dr. Nikolai Sluchanko, Federal Research Center of Biotechnology RAS	OCP-FRP protein complex topologies suggest a mechanism for controlling high light tolerance in cyanobacteria
15:30 – 16:00	Prof. Roman Efremov, IBCH RAS	Proteins in membranes: lessons from atomistic simulations
16:00 – 16:30	Dr. Anton Polyansky, Department of Structural and Computational Biology, Max F. Perutz Laboratories	Mechanistic understanding of RTK activation via TM mutations
16:30 – 17:00	Structural biology department tour	
17:00	SCHOOL CLOSING	
19:30	<i>Social event</i>	