

SCHOOL PROGRAM

6 June 2019, Small conference hall IBCH RAS

Chairman: Prof. Alexander Arseniev

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	Lunch Time	
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