

Conference Program

March 11 2019 r

09:00 - 10:00 **Arrival and Registration**

Opening and introductory talks

10:00 - 10:15 Welcome addresses

Organizing committee

Session 1. Virus evolution and new approaches to development of antiviral products

Ellie Ehrenfeld and Ivan Shatsky

10:15 - 10:35 An Impact of de novo Synthesizing Poliovirus: Recoding Arboviruses for Vaccine Development

Eckard Wimmer

Stony Brook University

10:40 - 11:00 Enterovirus genome in space and time

Alexander Lukashev

Martinovsky Institute of Medical Parasitology and Tropical Diseases

11:05 - 11:25 Implementation of the global polio eradication program in Russia

Olga Ivanova

MP Chumakov Center for Immunobiology

11:30 - 12:00 Coffee break

Session 2. Function of virus proteome

Frank vanKuppeveld and Boris Zhivotovsky

12:00 - 12:20 Understanding X domain function in alphaviruses

Diane Griffin

Johns Hopkins University

12:25 - 12:45 Novel transport module in a plant virus genome includes helicase and hydrophobic protein genes

Andrey Solovyev

MV Lomonosov Moscow State University

12:50 - 13:50 Lunch break

Session 3. Translational virology

Natalya Teterina and Alexei Agranovsky

13:50 - 14:05 MGITECH - Complete Genomics. Alternatoive NGS approach

Helicon

14:10 - 14:30 Accidental discovery of a new immune regulator

Alexander Gragerov

Omeros Corporation

14:35 - 14:55 Polyvalent inactivated rhinovirus C vaccine induces broad neutralizing antibody responses in mice

Yury Bochkov

University of Wisconsin at Madison

15:00 - 15:30 Coffee break

Session 4. Virus-host interactions

Olga Slobodskaya and Angel Galabov

15:30 - 15:50 TDP-43 proteinopathy in the pathogenesis of Theiler's murine encephalomyelitis virus (TMEV) -induced diseases

Ray Roos

University of Chicago Medical School

15:55 - 16:15 Plant-virus interactions: the role of sub-nuclear structures

Michael Taliansky

Shemiakin-Ovtchinnikov Institute of Bioorganic Chemistry

16:20 - 16:45 The force awakens: multi-drug resistance in Aspergillus fumigatus

Willem Melchers

Radboud University Medical Center

16:50 - 17:00 First day adjourn

Program committee

March 12 2019

09:30 - 10:00 **Arrival and Registration**

Session 5. Replication of viral genomes

10:00 - 10:20	Lethal mutagenesis 2019: a sequence space odyssey	Galina Lipskaya and Andrei Vartapetyan Esteban Domingo	Centro de Biología Molecular "Severo Ochoa"
10:25 - 10:45	Coupling poliovirus RNA replication to cellular membranes	George Belov	University of Maryland
10:50 - 11:10	Unsolved Puzzles of Q β Replicase	Alexander Chetverin	Protein Research Institute
11:15 - 11:45	Coffee break		

Session 6. Viral protein synthesis

11:45 - 12:05	An unprecedented viral mechanism to evade translation inhibition induced by the integrated stress response	Willem Melchers and Alexei Bogdanov Frank vanKuppeveld	Utrecht University
12:10 - 12:30	The mRNA cap-binding protein eIF4E: Why do many viruses dislike this factor	Yuri Svitkine	McGill University
12:35 - 12:55	Moonlighting functions of glycyl-tRNA synthetase in mammalian cells: the role in the translation initiation on the IRES elements of enterovirus RNAs	Ivan Shatsky	MV Lomonosov Moscow State University

13:00 - 14:00 Lunch break

Session 7. The origins and adaptation of viruses

14:00 - 14:20	Rhinovirus C and its CDHR3 Receptor	Esteban Domingo and George Belov Ann Palmenberg	University of Wisconsin at Madison
14:25 - 14:45	Tick-borne flaviviruses: tick borne or tick born?	Galina Karganova	MP Chumakov Center for Immunobiology
14:50 - 15:10	"Satellins": new viruses self-assembled from cellular DNA components	Andrei Gudkov	Roswell Park Comprehensive Cancer Center

15:15 - 15:45 Coffee break

Session 8. A virologist's perspective

15:45 - 16:45	In pursuit of intriguing puzzles	Kostya Chumakov and Sasha Gorbalenya Vadim Agol	MV Lomonosov Moscow State University and MP Chumakov Center for Immunobiology
16:45 - 16:55	Meeting adjourn	Program committee	