Thursday, 27 February HUMANS

Chaired by Alexej Abyzov

10:10–11:00 Alexej Abyzov





	Mayo Clinic, Rochester, USA	discovery	Y	
11:20-12:10	Ryan Mills University of Michigan, Ann Arbor, USA	Identification and characterization of structural variations in human genomes		
12:30-13:20	Michiel de Hoon RIKEN Center for Integrative Medical Sciences, Yokohama, Japan	FANTOM: Functional annotation of the mammalian genome		
14:30-15:30	Alex Maslov Albert Einstein College of Medicine, New York, USA	Single cell genomics		
15:30-15:45	Artem Demidenko GE Healthcare Life Sciences	Viral vectors for transient and stable transformation of human and other eukaryotic cells in different therapies		GEN
15:45-16:00	Artem Bogomolov Beckman Coulter	What changes does acoustics do to the liquid handling		
16:00-16:10	Skoltech	TBA		
16:20-18:00	Group work: finals Closing ceremony			
20:00-21:30	Final evening			_
				Euturo

Strategies, challenges, and approaches in mosaic variants

2020

February 22–27, Novosibirsk, Russia

PROGRAMME

Support of the Ministry of Economic Development of the Novosibirsk Region and of the Russian Foundation for Basic Research, project No. 20-04-20014, is acknowledged

Мероприятие проводится при финансовой поддержке министерства экономического развития Новосибирской области и РФФИ, проект № 20-04-20014



BICCAD Biotechnology Company







Each day

08:00-09:00	Breakfast
11:00-11:20	Coffee
13:20-14:30	Lunch
19:00-20:00	Dinner

Transfer from the hotel Transfer to the hotel

09:00-10:00 18:00-19:00









Future Biotech Winter Retreat















Saturday, 22 February

Chaired by Peter Lidsky

Monday, 24 February PLANTS Chaired by Sergey Bruskin

10:10-11:0	0 Registration		10:10-11:00	Sergey Nuzhdin University of Southern California, Los Angeles, USA	Geno in ac
11:00-11:2	0 Opening ceremony				-
11:20-12:1	0 Raul Andino University of California, San Francisco, USA	Evolutionary paths to virulence for a rational design of live-attenuated viral vaccines	11:20-12:10	Eric Bishop-von Wettberg University of Vermont, USA and Peter the Great St. Petersburg Polytechnic University, Russia	The ' appr
12:30-13:2	O Simone Bianco IBM Almaden Research Center, San Jose, USA	Advances in computer-aided synthetic biology	12:30-13:20	Vitaly Gursky Peter the Great St. Petersburg Polytechnic University, Russia	Mod
14:30-15:2	20 Santiago Elena CSIC-University of Valencia, Spain	Integrative systems biology approaches to characterize the evolution of plant-virus interactions	14:30-15:20	Magnus Nordborg Gregor Mendel Institute of Molecular Plant Biology,	Epig
15:40-16:3		Phenotypic diversity of the NS1 of influenza A viruses		Vienna, Austria	
	Icahn School of Medicine at Mount Sinai, New York, USA		15:40-16:30	Rajeev Varshney	Geno
16:50-17:4	0 Ilya Yasny Inbio Ventures	Sources of funding for biotech projects		International Crops Research Institute for the Semi-Arid Tropics, Hyderabad, India	in ch
20:00-21:3	0 Group work		16:50-17:40	Round table	Coro
	Sunday, 2	23 February	19:00-22:00	Artpub (Арт-П.А.Б.)	

MICROBES

Chaired by Andrey Mardanov

Vednesday, 20	We		Evolution of bacterial genomes	Mikhail Gelfand Skolkovo Institute of Science and Technology, Russia	10:10-11:00
ANIM Chaired by De	Ch		Evolutionary processes in Legume-Rhizobia symbiotic systems	Evgeny Andronov All-Russia Research Institute for Agricultural Microbiology, St. Petersburg	11:20-12:10
Tł ab	Emma Teeling University College Dublin, Ireland	10:10-11:00	Single carbon biotech: the key drivers, prospects, and challenges	Marina Kalyuzhnaya San Diego State University, USA	12:30-13:20
La ca	Mike Bruford Cardiff University, UK	11:20-12:10	Next generation Microbiology and Metagenomics	Francisco Rodriguez-Valera Miguel Hernández University of Elche, Spain	14:30-15:20
d of	Juha Kantanen Natural Resources Institute, Helsinki, Finland	12:30-13:20	Exploring the uncultured freshwater microbial world using metagenomics	Rohit Ghai	15:40-16:30
Ac	Denis Larkin Saint Petersburg State University, Russia	14:30-15:20	Use of molecular genetic tests as basis and companion diagnostics for biologics and biotech therapies	Dmitry Poteryaev IBC Generium	16:50-17:40
Tł in	Alexey Pazilin Thermo Fisher Scientific	16:00-16:15	ТВА	Peter Lidsky University of California, San Francisco, USA	20:00-21:00
U	Mariya Perepelkina BIOCAD	16:15-16:30		Group work	21:00-21:30

16:50–17:40 Alexander Panchin Institute for Information Transmission Problems, Moscow, Russian Academy of Sciences

20:00-21:30 Group work

		00.00 40.00		00.00.00.00	
08:00-09:00	Breakfast	09:00-10:00	Transfer from the hotel	08:00-09:00	Breakfast
11:00-11:20	Coffee	18:00-19:00	Transfer to the hotel	11:00-11:20	Coffee
13:20-14:30	Lunch			13:20-14:30	Lunch
19:00-20:00	Dinner			19:00-20:00	Dinner

Each day

enomics of local adaptation and diversification agriculture and aquaculture

he Vavilovian Series in the genomic era: comparative pproaches to domestication of legume crops

lodeling as a tool in crops research

pigenetic variation in Arabidopsis

enomes, germplasm diversity and genomics applications a chickpea

oronavirus COVID-19 is (not) a reason to freak out

Tuesday, 25 February EXCURSION DAY

, 26 February MALS Denis Larkin

The genomics of bats and what this can reveal about longevity, immunity, flight and echolocation

Landscape genomics: how studies of wild species can inform livestock and vice versa

Genome sequence and comparative analysis of reindeer (*Rangifer tarandus*) in Northern Eurasia

Adaptation to cold climates in the nothernmost (Russian) cattle and ruminat genome evolution

Thermo Fisher Scientific: over 20 years of innovations in genomics

Using viruses for treating human diseases

Pseudo-scientific viruses and their adaptations

Each day

09:00-10:00	Transfer from the hotel
18:00-19:00	Transfer to the hotel