December 18, 2023 (Monday) Cultural center "Almet", 69a Lenin Street		
8:30-10:00	Registration & Morning coffee	
9:20-9:40	A technical run-through for the speakers of today's sections and the open mic	
10:00-10:15	Opening	
10:15-11:30	Panel discussion "Trends and prospects of biotechnology development"	
Moderator	Mikhail Kurushkin (Chair of BIOCON, dean of BioTech ITMO)	
	 Prof. Meisam Tabatabaei (Malasyia), Universiti Malaysia Terengganu Prof. Amin Mousavi Khaneghah (Poland), Institute of Agricultural and Food Biotechnology Prof. Mirza Hasanuzzaman (Bangladesh), Sher-e-Bangla Agricultural University Prof. Mukesh Kumar Awasthi (China), Northwest A&F University Prof. Muhammad Farooq (Oman), Sultan Qaboos University Special guest 	
11:30-11:45	Break	
11:45-12:30	Plenary session "Crop responses and tolerance under environmental stress in the era of climate change"	
	Prof. Mirza Hasanuzzaman (Bangladesh), Sher-e-Bangla Agricultural University	
12:30-14:30	Lunch. 3 streams	
14:30-15:15	Plenary session "Food contamination, food safety, mycotoxins, potentially toxic elements, pesticides, allergens and food process engineering"	
	Prof. Amin Mousavi Khaneghah (Poland), Institute of Agricultural and Food Biotechnology	
15:15-15:30	Break	



December 18, 2023 (Monday)

Cultural center "Almet", 69a Lenin Street

15:30-16:45	Biotechnology session, Topic: BIOMATERIALS
Moderator	Special guest
15:30-16:00	Irina Kurzina (Tomsk State University) Polymer-based materials for targeted delivery
16:00-16:15	Anastasiia Sapach (Skolkovo Institute of Science and Technology) Cell therapy and cell-assisted drug delivery
16:15—16:30	Adelya Khayrova (Federal State Institution «Federal Research Centre «Fundamentals of Biotechnology») Development of technology for obtaining biopolymers from black soldier fly while processing organic waste
16:30-16:45	Elena Popova (Research Institute of hygiene, occupational pathology and human ecology FMBA of Russia, ITMO University) Prospects for the use of polymer drug delivery systems
16:45-17:00	Break
17:00-19:00	Biotech Open Mic

Evgenii Sogorin (Pushchino Scientific Center for Biological Research) Ingredients: non-GMO, gluten-free, contains biologically active peptides.

Sofia Sirotenko (ITMO University, GPECH) Polymer microcapsules for drug delivery

Alim Galimullin (Tatneft Charitable Foundation)

The development of bioclasses

Vasiliy Fofanov (ITMO University) Bioavailability, biologically active additives, nutrition in extreme situations

Alexander Gordeev (Kazan Federal University)

Biosurfactants in agriculture, petroleum industry and material science

Julia Loban (ITMO University, GPECH)

One of the best wound coating for burn treatment

Vladislav Dybalev (Altai State University)

Biotechnological conversation of wood

Anastasia Kim (ITMO University)

The prospective of Bacillus Subtilis as a crusial culture in modern Urban Farming shown by an example of Natto.

Danila Kalinikin (AES Startup Factory)

Working with biotech startups from the inside: how to replicate the success of Silicon Valley

December 19, 2023 (Tuesday)

Cultural center "Almet", 69a Lenin Street

9:00-10:00	Registration & Morning coffee
9:20-9:40	A technical run-through for the speakers of today's sections
10:00-10:45	Plenary session "Organic waste biorefinery models toward sustainable circular bioeconomy, focusing on biomass to biofuels & biochemicals, bioenergy, and industrially important enzyme cocktails"
	Prof. Mukesh Kumar Awasthi (China), Northwest A&F University
10:45-11:00	Break
11:00-12:45	Biotechnology session, Topic: Agriculture & Environment
Moderator	Roman Kozyrev (Rustark)
11:00-11:15	Polina Kuryntseva (Kazan Federal University) Developing biotechnological approaches to reduce the carbon footprint of wheat
11:15-11:30	Suleiman Abdurashytov (Research Institute of Agriculture of Crimea) Analyze the development of arbuscular mycorrhiza in coriander roots and their effect on the symbiotic efficiency and productivity of plants
11:30-11:45	Subhrajit Barua (ITMO University) Agriculture In Space — An Unexplored Niche In Biotech
11:45-12:00	David Gabrielyan (Timiryazev Institute of Plant Physiologie Russian Academy of Sciences Intensive cultivation of microalgae and cyanobacteria in closed flat-panel photobioreactors for production of valuable biomass
12:00-12:15	Alexander Simagin (RSAU MTAA n.a. K.A. Timiryazev) Cell breeding of flax to increasing resistance to fungal disease
12:15-12:30	Liliya Biktasheva (Kazan Federal University) Biotechnological methods for increasing oil production and bioremediation of oil-contaminated soils
12:30-12:45	Anna Gorbunova (Petroleum High School) No-Till Impact on Soil Microbiome
12:45-14:40	Lunch. 3 streams
13:30-14:30	& Excursion to the Music Museum for 3rd stream
14:40-15:00	Break



December 19, 2023 (Tuesday)

Cultural center "Almet", 69a Lenin Street

15:00-16:15	Biotechnology session, Topic: Viruses & Vaccines
Moderator	Yuriy Vasilev (R-Pharm)
15:00—15:15 15:15—15:30	Yury Vasilev (R-Pharm) Dmitriy Polyanskiy (FSBI "NICEM named after. N. F. Gamaleya") Development and scaling technologies for producing heavy chain antibodies for therapy and emergency prevention of Covid-19 disease
15:30-15:45	Special Guest
15:45-16:00	Dmitrii Vinogradov (Biolabmix & Biosan) Genome editing, mRNA, PCR
16:00-16:15	Aleksei Miroliubov (Zoological Institut of RAS) Tricks of the puppet masters: rhizocephalan influence on the host's nervous system
16:15-16:30	Break
16:30-18:30	Biotechnology session, Topic: Genomics & Structural biology
Moderator	Stanislav Koshechkin (Nobias Technologies)
16:30-17:00	Oleg Gusev (Juntendo University) Comparative genomics, functional transcriptomics and biomimetics
17:00—17:30	Ivan Kulakovskiy (Institute of Protein Research RAS) Bioinformatics for gene regulatory variants: from omics data to genetic determinants of human disorders
17:30-17:45	Eugene Korotkov (Federal State Institution «Federal Research Centre «Fundamentals of Biotechnology») Search for dispersed repeats in bacterial genomes
17:45—18:00	Valentina Rudenko (Federal State Institution «Federal Research Centre «Fundamentals of Biotechnology») Tandem repeats in plant genomes
18:00-18:15	llya Kolyadenko (Institute of Protein Research, ITMO's Advanced Engineering School) tructure based engineering of industrial relevant Two-Domain Laccase from Streptomyces griseoflavus Ac-993
18:15—18:30	Alexander Gavrilenko (Lomonosov Moscow State University) Application of protein language model to predict the protein's melting temperature and protein design
18:30-20:30	Free time
20:30-21:30	Documentary film showing in conjunction with the Nauka TV channel

"Living with bacteria", the film is dedicated to the work of biotechnological scientists. Young researchers are discovering new types of microorganisms, creating environmentally friendly fuels and using bacteria to find ways to combat environmental pollution.

The film was shot with the support of the Russian Geographical Society and the Ministry of Culture of Russia

December 20, 2023 (Wednesday)

- 1. 216 Sovetskaya Street, Campus of Petroleum High School
- 2. Cultural center "Almet", 69a Lenin Street

9:00-11:00	Tour of the Laboratory and Research Complex and the campus of the Petroleum High School
	216 Sovetskaya Street, Campus of Petroleum High School
11:00-12:00	Registration & Morning coffee
11:20-11:40	A technical run-through for the speakers of today's sections
12:00-13:45	Biotechnology session, Topic: Food Biotechnology
Moderator	Olesya Volokh, Health & Nutrition (ex Danone Russia)
12:00-12:15	Ludmila Alieva (North-Caucasus Federal University) Sustainable technology of milk processing: I did it my way
12:15-12:30	Ksenia Rukhlyada (ITMO University) Obtaining natural biologically active additives
12:30-12:45	Evgeniya Levik (Health & Nutrition) Functional features of strains mixtures in lyophilized and deep-frozen forms
12:45-13:00	Maria Gritsenko (ITMO University) Chemistry & biosensing
13:00-13:15	Anna Nikiforova (East Siberia State University of Technology and Management) The use of bacterial cultures for fish fermentation
13:15-13:30	Chantal Tracey Intelligent and active food packaging for ensuring food quality and food safety
13:30-13:45	Sergei Shilov (Institute for Biological Instrumentation of the Russian Academy of Sciences) Soy Protein Hydrolysate Improves the Endurance of Rats
13:45-14:00	Wang Hongwei (Biogrowing) Advances in Starter Culture Development
13:45-15:40	Lunch. 3 streams
	& Excursion to the Music Museum for all those who didn't have til
15:40-16:00	Break



December 20, 2023 (Wednesday) Cultural center "Almet", 69a Lenin Street

16:00-17:30	Biotechnology session, Topic: Gene Therapy
Moderator	Special Guest
16:00-16:30	Kirill Lepik (Pavlov First St.Petersburg State Medical University) Hematopoietic cells-based gene and cell therapy
16:30—16:45	Artemiy Kurishev (Engelgardt's Institute of Molecular Biology) CRISPR Cas9 genome editing approach for understanding the functional role of candidate transcription factors in the pathogenesis of schizophrenia.
16:45-17:00	Evgeny Lemeshko & Veronika Elkina (ITMO University) Development of DNA nano constructs for RNA recognition and molecular computation
17:00-17:30	Emil Bulatov (Kazan Federal University) CAR-T cell therapy - a living drug against cancer!
16:30-17:45	Break
17:45-18:45	Plenary session "The nexus of biorefineries, food security, sustainability, climate change, and health"
	Prof. Meisam Tabatabaei (Malasyia), Universiti Malaysia Terengganu
18:45-19:30	Closing
19:30-21:30	Closing party & Activities