



PRELIMINARY PROGRAM

DAY 1: OCTOBER 30, 2017

9:00-10:00	Registration		
Hall	Pirogov Hall		
10:00-10:30	Opening <i>A. Urbani, A. Archakov, A. Svistunov, V. Chekhonin, F. Corralles</i>		
10:30-11:00	PL1 Molecular Genetics of Rare Tumors <i>Anna Kudryavtseva, Institute of Molecular Biology, Russia</i>		
11:00-11:30	PL2 Longitudinal Sampling in Proteomic Biomarker Discovery <i>David Goodlett, University of Maryland, USA</i>		
11:30-12:00	Coffee Break		
Halls	Pirogov Hall	Abrikosov Hall	
12:00-14:00	S1 Mass-spectrometry in Clinical Applications	S2 Genomics and Beyond	
	Co-chairs: <i>David Goodlett, University of Maryland, USA</i> <i>Fernando Corrales, University of Navarra, Spain</i>	Co-chairs: <i>David Tabb, Stellenbosch University, South Africa</i> <i>Sergey Moshkovskii, Institute of Biomedical Chemistry, Russia</i>	
14:00-15:00	Lunch Break		
14:30-15:30	Poster Session		
Halls	Pirogov Hall	Room 265	Room 274
15:30-17:30	S3 Precision Medicine	WP1 How to Work with Human Genome?	WP2 Proteoinformatics
	Co-chairs: <i>Garry Corthals, University of Amsterdam, Netherlands</i> <i>Dmitry Sychov, Russian Medical Academy of Continuous Professional Education of the Ministry of Health of the Russian Federation, Russia</i>	<i>Andrey Afanasiev, IBinom, Russia</i>	Moderators: <i>Veit Schwammle and Julian Uszkoreit, EuBIC</i>
17:30-18:30	Welcome Event		

DAY 2: OCTOBER 31, 2017

9:00-10:00	Registration	
Hall	Pirogov Hall	
10:00-10:30	PL3 The Human Protein Atlas - Implications for Human Biology and Precision Medicine <i>Cecilia Lindskog, Uppsala University, Sweden</i>	
10:30-11:00	PL4 (TBC) What is Stress and How to Combat It? <i>Ancha Baranova, George Mason University, USA</i>	
11:00-11:30	PL5 Bioinformatic Origin of Breadth and Depth of Human Proteome <i>Elena Ponomarenko, Andrey Lisitsa and Alex Archakov, Institute of Biomedical Chemistry, Russia</i>	
11:30-12:00	Coffee Break	
Halls	Pirogov Hall	Abrikosov Hall
12:00-14:00	S4 Infections and Resistance Co-chairs: <i>Thierry Naas, Hopital Bicetre, France</i> <i>Roman Kozlov, WHO's expert for antimicrobial resistance, Russia</i>	S5 Immunology of NonCommunicable Disease Co-chairs: <i>Michaek Przybylski, Steinbeis Centre for Biopolymer Analysis and Biomedical Mass Spectrometry, Germany</i> <i>Sergei Larin, Dmitry Rogachev National Research Center, Russia</i>
	Lunch Break	
14:30-15:30	Poster Session	
Halls	Pirogov Hall	Room 265
15:30-17:30	S6 Cells and Regeneration Technologies Co-chairs: <i>Cecilia Lindskog, Uppsala University, Sweden</i> <i>Andrey Zamyatnin, Sechenov First Medical University, Russia</i>	WP3 Drug Development Classroom Moderator: <i>Andrey Khudoshin, Elsevier, Russia</i>
	Excursions	
17:30-19:30		

PL – Plenary Lecture, S – Session, WP – Workshop Package

DAY 3: NOVEMBER 1, 2017

9:00-10:00	Registration	
Hall	Pirogov Hall	
10:00-10:30	PL6 Food and Nutriomics <i>Paola Roncada, Istituto Sperimentale Italiano L. Spallanzani, Italy</i>	
10:30-11:00	PL7 Can We Predict Protein from mRNA Level? <i>Nikolaus Fortelny, Research Center for Molecular Medicine, Austria</i>	
11:00-11:30	Coffee Break	
Halls	Pirogov Hall	Room 265
11:30-13:30	S7 Food, Nutrition and Microbiome	WP4 Quality Control Assessment from Multi-Month Data Sets
	Co-chairs: <i>Paola Roncada, Istituto Sperimentale Italiano L. Spallanzani, Italy</i> <i>Svetlana Murzina, Institute of Biology of Karelian Research Centre, Russia</i>	Moderator: <i>David Tabb, Stellenbosch University, South Africa</i>
13:30-14:30	Lunch Break	
14:00-15:00	Poster Session	
Halls	Pirogov Hall	Room 265
15:00-17:00	S8 Sports, Health and Doping Control	WP5 Food Intolerance
	Co-chairs: <i>Igor Vykhodets, Ministry of Health, Russia</i> <i>Arthur Kopylov, Institute of Biomedical Chemistry, Russia</i>	Moderator: <i>Arkady Rosenstein, ImmunoHealth Clinic, USA</i>
17:00-17:45	Closing Lecture Biomarkers of Ageing <i>Alexey Moskalev, Institute of Biology of Komi Science Center, Russia</i>	

PL – Plenary Lecture, S – Session, WP – Workshop Package

12:00-14:00 Pirogov Hall

S1

MASS-SPECTROMETRY IN CLINICAL APPLICATIONSCo-chairs: *David Goodlett, Fernando Corrales*

12:00-12:25	THE PROTEOME QUEST TO UNDERSTAND BIOLOGY AND DISEASE <i>Fernando Corrales, University of Navarra, Spain</i>
12:25-12:50	TARGETED SCREEN OF NORMAL PROTEOME OF CANDIDATES TO AUSTRONAVTS <i>Victor Zgoda, Institute of Biomedical Chemistry, Russia</i>
12:50-13:10	COMPARATIVE PROTEOMICS FOR STUDYING DIFFERENT SENSITIVITY OF GLIOBLASTOMA CELLS TO VESICULAR STOMATITIS VIRUS <i>Mikhail Gorshkov, Institute for Energy Problems of Chemical Physics, Russia</i>
13:10-13:30	PROTEIN EXPRESSION CHANGES CAUSED BY MICROGRAVITY IN SPACE <i>Eugene Nikolaev, Skolkovo Institute of Science and Technology, Russia</i>
13:30-13:45	RESERVED <i>to be selected from the submitted abstracts</i>
13:45-14:00	RESERVED <i>to be selected from the submitted abstracts</i>

12:00-14:00 Abrikosov Hall

S2

GENOMICS AND BEYONDCo-chairs: *David Tabb, Sergey Moshkovskii*

12:00-12:25	PROTEOGENOMICS OF CLINICAL ISOLATES OF MYCOBACTERIUM TUBERCULOSIS <i>David Tabb, Stellenbosch University, South Africa</i>
12:25-12:50	PROTEOGENOMICS OF ADENOSINE-TO-INOSINE RNA EDITING IN MODEL ORGANISMS <i>Sergei Moshkovskii, Institute of Biomedical Chemistry, Russia</i>
12:50-13:10	PHARMACOGENOMICS – UPDATE AND FUTURE DIRECTIONS <i>Matthias Schwab, Institute of Clinical Pharmacology, Germany</i>
13:10-13:30	BREAST CANCER MOLECULAR CLASSIFICATION BASED ON AN NGS GENOME-WIDE DNA METHYLATION ANALYSIS BY REDUCED REPRESENTATION BISULFITE SEQUENCING <i>Vladimir Strelnikov, Research Centre for Medical Genetics, Russia</i>
13:30-13:45	RESERVED <i>to be selected from the submitted abstracts</i>
13:45-14:00	RESERVED <i>to be selected from the submitted abstracts</i>

15:30-17:30 Pirogov Hall

S3

PRECISION MEDICINECo-chairs: **Garry Corthals, Dmitry Sychov**

15:30-15:55	ENGAGING RESEARCH COMMUNITIES WITH CLINICALS: TOWARDS INTERPETING AND APPLYING PROTEOME INFORMATION <i>Garry Corthals, University of Amsterdam, Netherlands</i>
15:55-16:20	PLASMA METABOLOME ANALYSIS IN HEALTH AND DISEASE <i>Petr Lokhov, Institute of Biomedical Chemistry, Russia</i>
16:20-16:40	PRACTICE OF PHARMACOGENETIC TESTS IN CLINICAL APPLICATIONS <i>Dmitry Sychov, Russian Medical Academy of Continuous Professional Education of the Ministry of Health of the Russian Federation, Russia</i>
16:40-17:00	ENDOMETRIOSIS FOCI DIFFERENTIATION BY RAPID LIPID PROFILING USING TISSUE SPRAY IONIZATION AND HIGH RESOLUTION MASS SPECTROMETRY <i>Vladimir Frankevich, V.I. Kulakov Research Center for Obstetrics, Russia</i>
17:00-17:15	RESERVED <i>to be selected from the submitted abstracts</i>
17:15-17:30	RESERVED <i>to be selected from the submitted abstracts</i>

12:00-14:00 Pirogov Hall

S4

INFECTIONS AND RESISTANCE

Co-chairs: *Thierry Naas, Roman Kozlov*

12:00-12:25	NGS TO DETERMINE SUSCEPTIBILITY TO ANTIBIOTICS: CHANCES AND PERSPECTIVES <i>Thierry Naas, Hospital Bicetre, France</i>
12:25-12:50	WHY RESISTANCE TO ANTIBIOTICS IS IMPORTANT TODAY? <i>Roman Kozlov, WHO's expert for antimicrobial resistance, Smolensk State Medical University, Russia</i>
12:50-13:10	ROLE OF INFORMATION TECHNOLOGY IN DATA-COLLECTION AND DATA-ANALYTICS FOR RESISTANCE TO ANTIBIOTICS <i>Mikhail Adelshtein, Institute for Antimicrobial Chemotherapy, Russia</i>
13:10-13:30	THE HUMAN INTESTINAL MICROBIOTA IS A RESERVOIR OF RESISTANCE TO ANTIBIOTICS <i>Evgenii Olekhnovich, Federal Research and Clinical Center of Physical-Chemical Medicine, Russia</i>
13:30-13:45	RESERVED <i>to be selected from the submitted abstracts</i>
13:45-14:00	RESERVED <i>to be selected from the submitted abstracts</i>

12:00-14:00 Abricosov Hall

S5

IMMUNOLOGY OF NONCOMMUNICABLE DISEASECo-chairs: *Michaek Przybylski, Sergei Larin*

12:00-12:25	IMMUNERT: NEW APPROACHES FOR ENZYME REPLACEMENT THERAPY OF LYSOSOMAL STORAGE DISEASES BY MASS SPECTROMETRIC IDENTIFICATION OF ANTIBODY EPITOPES <i>Michaek Przybylski, Steinbeis Centre for Biopolymer Analysis and Biomedical Mass Spectrometry, Germany</i>
12:25-12:50	MEMBRANE PROTEOME OF RARE NEUROENDOCRINE TUMORS. COMBINED FORCES OF HPTC AND GLYCO-CAPTURE <i>Jiri Petrak, Institute of Hematology and Blood Transfusion, Czech Republic</i>
12:50-13:10	HOW TUMOR ESCAPES THE ATTENTION OF THE IMMUNE SYSTEM? MECHANISMS AND POSSIBLE WAYS OF THERAPEUTICAL NEGOTIATION <i>Sergei Larin, Dmitry Rogachev National Research Center, Russia</i>
13:10-13:30	PROTEOME PROFILING OF ANTI-CANCER DRUGS <i>Alexey Chernobrovkin, Karolinska Institutet, Sweden</i>
13:30-13:45	RESERVED <i>to be selected from the submitted abstracts</i>
13:45-14:00	RESERVED <i>to be selected from the submitted abstracts</i>

15:30-17:30 Pirogov Hall

S6

CELLS AND REGENERATION TECHNOLOGIESCo-chairs: *Cecilia Lindskog, Andrey Zamyatin*

15:30-15:55	MOLECULAR MECHANISMS OF REGENERATION <i>Andrey Vasiliev, Koltzov Institute of Developmental Biology of Russian Academy of Sciences, Russia</i>
15:55-16:20	SECRETOM OF HUMAN EMBRYOS IN IVF MEDIA - CAN IT BE USED FOR IMPROVED IMPLANTATION SUCCESS RATES? <i>Goran Mitulović, Medical University of Vienna, Austria</i>
16:20-16:40	TBA <i>Andrey Zamyatin, Sechenov First Medical University, Russia</i>
16:40-17:00	CRYOBANK AS AN ATTRIBUTE OF OMICS <i>Alexei Sazanov, Saint-Petersburg State Technological Institute, Russia</i>
17:00-17:15	RESERVED <i>to be selected from the submitted abstracts</i>
17:15-17:30	RESERVED <i>to be selected from the submitted abstracts</i>

11:30-13:30 Pirogov Hall

S7

FOOD, NUTRITION AND MICROBIOMECo-chairs: *Paola Roncada, Svetlana Murzina*

11:30-11:55	PROTEOMICS AND ITS APPLICATION TO IMPROVE DIAGNOSIS AND MANAGEMENT OF THE FOOD ALLERGIC PATIENT <i>Karin Hoffmann-Sommergruber, Medical University of Vienna, Austria</i>
11:55-12:20	MUSCLE AND MEAT: NEW HORIZONS AND APPLICATIONS FOR PROTEOMICS ON A FARM TO FORK PERSPECTIVE <i>Kristin Hollung, Norwegian Institute of Food, Fisheries and Aquaculture Research, Norway (TBC)</i>
12:20-12:40	OH, MY GUT! CROWDSOURCING IN MICROBIOMICS <i>Dmitry Alexeev, Knomics, Russia</i>
12:40-13:00	PROTEOMICS AND LIPIDOMICS IN ASSESSMENT OF THE QUALITY OF MEAT OF SALMONIDS FEEDING ON DIFFERENT ARTIFICIAL DIET <i>Svetlana Murzina, Institute of Biology of Karelian Research Centre, Russia</i>
13:00-13:15	RESERVED <i>to be selected from the submitted abstracts</i>
13:15-13:30	RESERVED <i>to be selected from the submitted abstracts</i>

15:00-17:00 Pirogov Hall

S8

SPORTS, HEALTH AND DOPING CONTROLCo-chairs: *Igor Vykhodets, Arthur Kopylov*

15:00-15:25	GENDER, CONTRACEPTIVES AND INDIVIDUAL METABOLIC PREDISPOSITION SHAPE A HEALTHY PLASMA LIPIDOME <i>Andrej Shevchenko, Max Planck Institute of Molecular Cell Biology and Genetics, Germany</i>
15:25-15:50	SPECTRA THAT MAKE SPORT: TEST FOR HONESTY <i>Arthur Kopylov, Institute of Biomedical Chemistry, Russia</i>
15:50-16:10	COMBATING DOPING IN SPORTS: PROBLEMS AND PERSPECTIVES <i>Igor Vykhodets, Ministry of Health, Russia</i>
16:10-16:30	PHENOTYPING AND GENOTYPING OF P450 ISOZYMES: SAFETY AND EFFICACY OF NEUROLEPTIC DRUGS <i>Mikhail Zastroshin, Russian Medical Academy of Continuous Professional Education of the Ministry of Health of the Russian Federation, Russia</i>
16:30-16:45	RESERVED <i>to be selected from the submitted abstracts</i>
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