

Integration Summit

World-Class Research Centers (WCRC) in the field of healthcare (Arranged to coincide with “Year of Science and Technology”) November 30th

Opening	
Welcome speech	
09:30-10:00	Chernyshenko Dmitry Nikolaevich - Deputy Prime Minister of the Russian Federation
	Falkov Valery Nikolaevich – Minister of Science and Higher Education of the Russian Federation
	Sadovnichy Victor Antonovich - Rector of Moscow State University named after M.V. Lomonosov
	Semenova Tatyana Vladimirovna - Deputy Minister of Health of the Russian Federation
	Khlunov Alexander Vitalievich - General Director of Russian Science Foundation
Speeches by world-class experts	
	Starodubov Vladimir Ivanovich - Academician-Secretary of Department of Medical Sciences of the Russian Academy of Sciences, Academician of the Russian Academy of Sciences, Scientific Director of Federal State Budgetary Institution “Central Research Institute for Organization and Informatization of Health Care” of Ministry of Health of the Russian Federation, Doctor of Medical Sciences, Professor
	Professor Jeroen J. Bax , MD, PhD, FESC, FACC, Director of Noninvasive Imaging, Department of Cardiology, Leiden University Medical Centre (LUMC), Leiden, The Netherlands, Immediate Past-President, European Society of Cardiology (ESC), 2018-2020
	Julie Chan - President of International Union of Physiological Sciences
	Professor Paula Williamson - University of Liverpool. Founding member and current chair of the Core Outcome Measures in Effectiveness Trials (COMET) Initiative
Speech of leaders of World-Class Research Centers	
11:10-12:10	<i>World-class Research Center «Digital Biodesign and Personalized Health Care»</i>
	Glybochko Petr Vitalevich – Rector at First Moscow State Medical University named after I.M. Sechenov
	<i>Research Program for World-class Research Center «Center for Personalized Medicine» for health care of the Russian Federation</i>
	Shlyakhto Evgeniy Vladimirovich – General Director of National Medical Research Center named after V.A. Almazov
	<i>World-class Research Center «National Center for Personalized Medicine of Endocrine Diseases»</i>
	Mokrysheva Natalia Georgievna – Director of Federal State Budgetary Institution “National Medical Research Center of Endocrinology” of

	<p>Ministry of Health of the Russian Federation</p> <p><i>«Pavlovsk Center “Integrative Physiology - Medicine, High-Tech Healthcare and Stress Resilience Technologies»</i></p> <p>Filaretova Lyudmila Pavlovna – Director of Pavlov Institute of Physiology, Russian Academy of Sciences</p>
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Section “Oncology”	
Welcome speech and Moderator	
12:15-13:45	Sekacheva Marina Igorevna — Professor, Director of Institute of Personalized Oncology of First Moscow State Medical University named after I.M. Sechenov
Speakers	
	<p><i>«Integrating Genomics and Transcriptomics To Reshape Precision Oncology: A WINning Strategy»</i></p> <p>Vladimir Lazar , WIN Consortium, Paris, France</p>
	<p><i>«Digital technologies in real oncological practice»</i></p> <p>Sekacheva Marina Igorevna — Professor, Director of Institute of Personalized Oncology of First Moscow State Medical University named after I.M. Sechenov</p>
	<p><i>«Ectopic ACTH syndrome: new approaches to diagnosi»</i></p> <p>Grineva Elena Nikolaevna - Chief Researcher of Research Laboratory of Neuroendocrine Tumors at World-class Research Center "Center for Personalized Medicine", Director of Institute of Endocrinology at Endocrinology at National Medical Research Center named after V. A. Almazov, M.D., Professor</p>
	<p><i>«CAR-T and CAR-NK cell therapy for malignant neoplasms»</i></p> <p>Kulemzin Sergey Viktorovich - Senior Research Scientist of Research Laboratory of Genome Editing at World-class Research Center "Center for Personalized Medicine", National Medical Research Center named after V. A. Almazov</p>
	<p><i>«Hereditary tumor syndromes in practice of a pediatric endocrinologist»</i></p> <p>Kareva Maria Andreevna - Candidate of Medical Sciences, Doctor of the highest qualification grade, Head of the Department of Endocrine Tumors at</p>

	Federal State Budgetary Institution “National Medical Research Center for Endocrinology” of Ministry of Health of the Russian Federation.
	<p>«<i>Endocrine consequences of the use of checkpoint inhibitors in treatment of malignant tumors</i>»</p> <p>Mazurina Natalia Valentinovna - Doctor of Medical Sciences, Doctor of the Highest Qualification Grade, Senior Research Scientist of Department of Therapeutic Endocrinology at Federal State Budgetary Institution “National Medical Research Center for Endocrinology” of Ministry of Health of the Russian Federation.</p> <p>Belousov Pavel Vladimirovich - Researcher of Laboratory of Molecular Oncoendocrinology of Federal State Budgetary Institution "National Medical Research Center of Endocrinology" of the Ministry of Health of Russia.</p>
	<p>«<i>Reimagining scientific problem solving in endocrinology</i>»</p> <p>Krupinova Yulia Aleksandrovna - Doctor-Endocrinologist, Research Officer at Department of Pathology of Parathyroid Glands at Federal State Budgetary Institution “National Medical Research Center for Endocrinology” of Ministry of Health of the Russian Federation.</p>
Section “Infectious Diseases”	
Welcome speech and Moderator	
13:50-15:20	Dmitriev Alexander Valentinovich - Director of Federal State Budgetary Scientific Institution “Institute of Experimental Medicine”
Speakers	
	<p>“<i>Globalization of antibiotic resistance against the backdrop of the great challenges of our age</i>”</p> <p>Pchelin Ivan Mikhaylovich - Research Officer of Laboratory for innovative methods of microbiological monitoring at Scientific and Educational Center “Molecular basis of interaction between microorganisms and humans” of World-Class Research Center “Center for Personalized Medicine” of Federal State Budgetary Scientific Institution “Institute of Experimental Medicine”</p>
	<p>“<i>Development of a live vaccine based on enterococcus L3 containing conserved epitopes of influenza virus neuraminidase</i>”</p> <p>Desheva Yulia Andreevna - Doctor of Medical Sciences, Senior Research Scientist at Laboratory of Infectious Disease Preventive Vaccination at Scientific and Educational Center “Molecular basis of interaction between microorganisms and humans” of World-Class Research Center “Center for Personalized Medicine” of Federal State Budgetary Scientific Institution “Institute of Experimental Medicine”</p>
	<p>“<i>Auto-probiotic support in treatment of diseases, problems, successes and prospects</i>”</p> <p>Ermolenko Elena Igorevna - Doctor of Medical Sciences, Head of Laboratory of Personalized Microbial Therapy at Scientific and Educational Center</p>

	<p>“Molecular basis of interaction between microorganisms and humans” of World-Class Research Center “Center for Personalized Medicine” of Federal State Budgetary Scientific Institution “Institute of Experimental Medicine”</p>
	<p><i>“Prospects for the use of live probiotic vaccines as a way to prevent viral and bacterial infections”</i></p> <p>Suvorov Alexander Nikolaevich - Corresponding Member of Russian Academy of Sciences, Doctor of Medical Sciences, Professor, Head of the Department of Microbial Therapy at Scientific and Educational Center “Molecular basis of interaction between microorganisms and humans” of World-Class Research Center “Center for Personalized Medicine” of Federal State Budgetary Scientific Institution “Institute of Experimental Medicine” (Leontyeva G.A.- co-speaker)</p>
	<p><i>“COVID-19 - the main cellular and molecular mechanisms of pathogenesis”</i></p> <p>Golovkin Alexey Segeevich - Senior Research Scientist of Research Laboratory of Molecular Immunology and Microbiology, World-class Research Center “Center for Personalized Medicine”, National Medical Research Center named after V. A. Almazov, M.D.</p>
<p>Youth Summit 15:25 – 16:55</p>	
	<p><i>«Psychology of interplanetary flights and psychological support based on virtual reality»</i> Rozanov Ivan Andreevich</p>
	<p><i>«Prediction of postprandial glycemic response in pregnant women with gestational diabetes mellitus»</i> Anopova Anna Dmitrievna</p>
	<p><i>«Biological diversity and therapeutic potential of bacteriophages Enterococcus spp»</i> Tkachev Pavel Vladimirovich</p>
	<p><i>«Photobiomodulation of cells in 3D systems»</i> Bikmulina Polina Yurevna</p>
	<p><i>«Pheochromocytoma/paraganglioma: molecular predictors of metastasis»</i> Roslyakova Anna Alexandrovna</p>
	<p><i>«Muscle atrophy under dry immersion conditions»</i> Tyganov Sergey Alexandrovich</p>
<p>Round table “Digital ecosystems and artificial intelligence in medicine” 17:00 – 18:30</p>	
Moderator	
	<p>Avetisyan Arutyun Ishkhanovich — Director of Institute for System Programming of Russian Academy of Sciences, Doctor of Physical and Mathematical Sciences, Academician of Russian Academy of Sciences</p>

Participants	
	Lychagin Alexey Vladimirovich — Professor, Doctor of Medical Sciences, Director of Clinic of Traumatology, Orthopedics and Joint Pathology of Clinical Center at First Moscow State Medical University named after I.M. Sechenov
	Fatkhudinov Timur Khaysamudinovich – Deputy Director for Scientific Development of Federal State Budgetary Scientific Institution “Research Institute of Human Morphology named after Academician A.P. Avtsyn, Doctor of Medical Sciences
	Adamyan Leyla Vladimirovna – Deputy Director for Science at Federal State Budgetary Institution “National Medical Research Center for Obstetrics, Gynecology and Perinatology named after Academician V.I.Kulakov” of Ministry of Health of the Russian Federation, Doctor of Medical Sciences, Professor
	Subbotin Sergey Alexandrovich - Information Technology Development Advisor at Federal State Budgetary Institution “National Medical and Surgical Center named after N.I. Pirogov” of Ministry of Health of Russia
	Chervyakov Leonid Mikhaylovich - Doctor of Engineering Science, Professor, Director of World-Class Research Centers “Digital Biodesign and Personalized Health Care” at Institute of Design and Technological Informatics of Russian Academy of Sciences
	Sotnik Alexander Yurievich - General Director of Sechenov.PRO LLC (Protek Group of Companies)
	Malashin Roman Olegovich - Candidate of Technical Sciences, Head of the group of Neural Networks and Artificial Intelligence at Institute of Philosophy of Russian Academy of Sciences
	Shelepin Yuri Evgenyevich - Professor, Doctor of Medical Sciences, Head of Laboratory of physiology of vision at Federal State Budgetary Institution of Institute of Physiology named after I.P. Pavlov of Russian Academy of Sciences, Head of Laboratory of Neurotechnologies at World-class Scientific Center “Pavlovskiy Center”
	Pustozerov Evgeniy Anatolievich - Candidate of Technical Sciences, Senior Research Scientist at World-class Scientific Center “Pavlovskiy Center”, Senior Researcher at National Medical Research Center named after V. A. Almazov
	Volchkov Pavel Yurievich – Director of Institute for Personalized Medicine at Federal State Budgetary Institution “National Medical Research Center for Endocrinology” of Ministry of Health of the Russian Federation
	Vyatkin Yuri Viktorovich – Bioinformatist, employee of World-Class Scientific Center “National Center for Personalized Medicine of Endocrine Diseases”

December 1

09:00	Opening of the 2nd day of Integration Summit World-Class Research Centers (NTSMU) in the field of healthcare (Arranged to coincide with “Year of Science and Technology”)
Section “Cardiology”	
Welcome speech and Moderator	
09:10- 10:40	Kopylov Philipp Yurievich — Professor, Doctor of Medical Sciences, Director of Institute of Personalized Medicine of First Moscow State Medical University named after I.M. Sechenov. New opportunities for remote evaluation of a single-channel ECG
Speakers	
	<i>«Connected health for hypertension management»</i> Omboni, Stefano – Professor, Director of Italian Institute of Telemedicine, Digital health and new frontiers in hypertension management
	<i>«New opportunities for remote evaluation of a single-channel ECG»</i> Kopylov Philipp Yurievich - Professor, Doctor of Medical Sciences, Director of Institute of Personalized Medicine of First Moscow State Medical University named after I.M. Sechenov
	<i>«Relevance of genetic research in cardiology: current opportunities and prospects»</i> Kostareva Anna Alexandrovna - Manager of Research Laboratory of Molecular and Cellular Modeling and Gene Therapy at World-class Research Center “Center for Personalized Medicine”, National Medical Research Center named after V. A. Almazov, M.D.
	<i>«Poligenic score in predicting cv risk»</i> Alberico L. Catapano , Professor of Pharmacology, Director of the Center of Epidemiology and Preventive Pharmacology, Director of the Laboratory of Lipoproteins, Immunity and Atherosclerosis, University of Milan
	<i>«IS Unified Cardiologist" Decision support in electrocardiography»</i> Teregulov Yury Emilevich - M.D., Manager of the Department of Functional Diagnostics of Kazan State Medical Academy, Chief external expert in functional diagnostics of the Ministry of Health of the Republic of Tatarstan Tikhomirov Vasily Borisovich - Director of the “Telemedicine Information Systems (TIS)” Company, Chief of the project "United Cardiologist of the Republic of Tatarstan"
Section “Physiology – Medicine”	
Moderator	
10:45- 12:15	Filaretova Lyudmila Pavlovna - Director of Pavlov Institute of Physiology, Russian Academy of Sciences
Participants	

	<p><i>«Use of animal biomodels in personalized medicine»</i></p> <p>Galagudza Mikhail Mikhaylovich - Director of Institute of Experimental Medicine at National Medical Research Center named after V. A. Almazov, M.D., Professor and Corresponding Member of Russian Academy of Sciences</p>
	<p><i>«Non-invasive spinal neuromodulation: an innovative technology for regulation and rehabilitation of motor and visceral functions»</i></p> <p>Gerasimenko Yuri Petrovich - Corresponding Member of the Russian Academy of Sciences, Professor, Doctor of Biological Sciences, Head of Laboratory of Physiology of Movement at Institute of Philosophy of Russian Academy of Sciences, Head of Laboratory of Innovative Technologies for Neurorehabilitation of National Center for Medical Sciences</p>
	<p><i>«Posttraumatic stress disorder as a metabolic problem»</i></p> <p>D.Zelena (Hungary) Scientific advisor, Leader of the Laboratory of Behavioral and Stress Studies, Institute of Experimental Medicine, Budapest, Hungary; Full Professor, Institute of Physiology, Medical School, University of Pécs, Centre for Neuroscience, Szentágotthai Research Centre, Pécs, Hungary</p>
	<p><i>«Spaceflight-induced neuroplasticity in humans, MRI studies»</i></p> <p>Floris Wuyts – Professor, Head of the Department of Physics at the University of Antwerp, Head of Laboratory Equilibrium Investigations and Aerospace (LEIA)</p>
	<p><i>«Application of artificial intelligence technologies in medicine and physiology»</i></p> <p>Kupriyanov Mikhail Stepanovich - Head of scientific and educational directions of St. Petersburg State Electrotechnical University “LETI”</p>
<p>Youth Summit 12:20 - 13:50</p>	
	<p><i>«Is Evidence-Driven Medicine an Outdated Approach in the Age of Personalization? »</i></p> <p>Ivan Rodionov Ilya Potapov</p>
	<p><i>«Is the bacterium Helicobacter pylori the cause of stomach ulcers? »</i></p> <p>Azarov Daniil Ilya Kalinin</p>
	<p><i>«Transplanted cells, their participation in the regeneration process»</i></p> <p>Sophya Gronskaya Arina Boyko</p>
	<p><i>«Artificial intelligence and personalized medicine - from science to practice (within the framework of this topic it is proposed to discuss how soon artificial intelligence will come into practice)»</i></p> <p>Ivan Rozanov Elizaveta Aboysheva</p>

Round table “Genetics and rare diseases” 13:55 - 15:25	
Moderator	
	Konradi Alexandra Olegovna - Deputy General Director of Research at National Medical Research Center named after V. A. Almazov, Corresponding Member of Russian Academy of Sciences, Professor, M.D.
Participants	
	Vasichkina Elena Sergeevna - Head of Research Laboratory of Unknown, Rare and Genetically Determined Diseases at World-class Research Center “Center for Personalized Medicine”, National Medical Research Center named after V. A. Almazov, M.D.
	Pervunina Tatyana Mikhaylovna - Senior Research Scientist of Research Centre of Unknown, Rare and Genetically Determined Diseases at World-class Research Center “Center for Personalized Medicine”, National Medical Research Center named after V. A. Almazov
	Kostik Mikhail Mikhaylovich - Chief of Research Laboratory of Autoimmune and Autoinflammatory Diseases at World-class Research Center “Center for Personalized Medicine”, National Medical Research Center named after V. A. Almazov
	Alieva Asiyat Saygidovna - Manager of Research Laboratory of Lipid Metabolism Disorders and Atherosclerosis at World-class Research Center “Center for Personalized Medicine”, National Medical Research Center named after V. A. Almazov, PhD
	Kostareva Anna Alexandrovna - Manager of Research Laboratory of Molecular and Cellular Modeling and Gene Therapy at World-class Research Center “Center for Personalized Medicine”, National Medical Research Center named after V. A. Almazov, M.D.
	Chumakova Olga Sergeevna - Docent of Department of Therapy, Cardiology and Functional Diagnostics of Federal State Budgetary Institution "Central Clinical Hospital with Polyclinic" of Directorate of the President of the Russian Federation, PhD
	Shcherbina Anna Yurevna - Deputy Director of Institute of Hematology, Immunology and Cell Technologies, Head of Department of Clinical Immunology at National Medical Research Center of Pediatric Hematology, Oncology and Immunology named after Dmitry Rogachev, M.D., Professor
	Vavilova Tatyana Vladimirovna - Manager of Department of Laboratory Medicine and Genetics at Institute of Medical Education at National Medical Research Center named after V. A. Almazov, M.D., Professor

	Melikyan Maria Armenakovna - Doctor of Medical Sciences, Senior Research Scientist Federal State Budgetary Institution “National Medical Research Center for Endocrinology” of Ministry of Health of the Russian Federation, Head of the Department of Early Childhood Endocrinopathie of Federal State Budgetary Institution “National Medical Research Center for Endocrinology” of Ministry of Health of the Russian Federation
	Vorontsova Maria Vladimirovna - Candidate of Medical Sciences, Senior Research Scientist at Children's Department of Thyroidology, Reproductive and Somatic Development of Federal State Budgetary Institution “National Medical Research Center for Endocrinology” of Ministry of Health of the Russian Federation
Round table “Endocrinology and metabolic pathology” 15:30 - 17:00	
Moderator	
	Fadeev Valentin Viktorovich - Professor, Endocrinologist, Doctor of Medical Sciences, Corresponding Member of Russian Academy of Sciences
Participants	
	Babenko Alina Yurevna - Chief of Research Laboratory of Genetic Risks and Personalized Prevention, Manager of Research Group of Prediabetes and Metabolic Disorders at World-class Research Center “Center for Personalized Medicine”, National Medical Research Center named after V. A. Almazov, M.D.
	Natalia Rudovich - Head of Division of Endocrinology, Diabetes and Nutrition Hospital of Bulach, Bulach, Switzerland
	Starodubova Antonina Vladimirovna - Chief External Expert Dietitian, Deputy Director for scientific and medical work of Federal State Budgetary Institution of Science “Federal Research Center for Nutrition and Biotechnology”, Doctor of Medical Sciences, Associate Professor
	Fetisov Sergey Olegovich - Professor of University of Rouen (France), Head of Laboratory “Brain-microbiota” at World-class Scientific Center “Pavlovskiy Center”
	Laptev Dmitry Nikitich - Doctor of Medical Sciences, Head of Pediatric Department of Diabetes Mellitus of Federal State Budgetary Institution “National Medical Research Center of Endocrinology” of Ministry of Health of the Russian Federation
	Shestakova Ekaterina Alekseevna - Candidate of Medical Sciences, Senior Research Scientist at Consultative and Diagnostic Center of Federal State Budgetary Institution “National Medical Research Center of Endocrinology” of Ministry of Health of the Russian Federation
Round table “Diseases of the nervous system: new ideas in etiology, diagnosis, prevention: is there any hope for progress?” 17:05 - 18:35	
Moderator	
	Strekalova Tatyana Valerevna - Professor, Deputy Head of Laboratory of Psychiatric Neurobiology of Sechenov University
Participants	
	Daniel C. Anthony - professor of Experimental Neuropathology in the Department of Pharmacology, Oxford University, PhD

	Professor Raymond Cespuglio - Director of Research INSERM, 1st class, professor of Neuroscience Center of Lyon (CRNL)
	Dr. Careen A Schröter is a Doctor and expert in environmental medicine and clinical studies of the role of low degree inflammation, infection, exposure to toxins, including metals, in the etiology of neurodegenerative disorders and other conditions.
	Dr. Johannes de Munter - CEO Neuroplast BV of Department of Mental Health and Neuroscience, Maastricht University
	Professor Alexey Deykin - Head of Core Facility "Genome editing", Institute for Gene Biology, Russian Academy of Sciences, candidate of biological sciences, professor
	Professor Boris Kramer - Managing Director of Maastricht Universitair Medisch Centrum, Professor, MD, PhD
	Sergiy Lyubchyk - professor of Faculty of Sciences and Technology, Universidade NOVA de Lisboa
	Yanishevsky Stanislav Nikolaevich - Chief Researcher of Research Laboratory of Technologies for Predicting the Risk of Cardiovascular Complications at World-class Research Center “Center for Personalized Medicine”, National Medical Research Center named after V. A. Almazov, M.D., Docent
	Bezprozvannyi Ilya Borisovich - Peter the Great St. Petersburg Polytechnic University - Senior Research Scientist - Research complex “Digital technologies in biomedical systems”, Head of the Laboratory of Molecular Neurodegeneration (LMN) at Peter the Great St. Petersburg Polytechnic University, Doctor of Biological Sciences
	Dyachuk Vyacheslav Alekseevich - Manager of Research Laboratory of Neurogenesis and Neurodegenerative Diseases at World-class Research Center “Center for Personalized Medicine”, National Medical Research Center named after V. A. Almazov, Candidate of Biological Sciences