

II Russian Congress with International Participation

“Molecular Basis of Clinical Medicine: State-of-the-Art and Perspectives”

Dedicated to the Memory of Prof. Eugeny I. Shwarts

Saint-Petersburg, Russian Federation June 18 - 20, 2010

President:

Professor **Mikhail A. Paltsev**, RAS and RAMS Academician, RAS Presidium member, National Research Centre “Kurchatov Institute” Deputy Director

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Chairperson of the Scientific Program/Organizing Committee:

Professor **Valentina I. Larionova**, The Founder and Chairperson of North-Western Society of Predictive, Preventive & Personalized Medicine (St. Petersburg, Russia)

June 18

CONGRESS HALL

	<p>Opening Ceremony Translation Sciences – to Clinical Medicine Opening speech <i>Professor Mikhail A. Paltsev, RAS and RAMS Academician, RAS Presidium member, National Research Centre “Kurchatov Institute” Deputy Director, Recipient of USSR State Prizes, the Prizes of the President of Russian Federation and of Russian Federation Government</i> <i>Golubnitschaja O. Professor in Medicine, Secretary General, EPMA, Brussels, EU</i> <i>Grinko O.V. Agency of Strategic Initiatives (ASI), Moscow, Russia</i></p>
9.30 – 10.15	
10.15-11.15	<p>Plenary Session 1 Chairpersons: Larionova V. I. (Russia), Sverdlov E. (Russia), Ehrlich G.D. (USA), Song S. (USA)</p>
10.15 - 10.45	<p>The Basis of Genomics and the Prospects of Genetic Surgery in Clinical Practice <i>Sverdlov E. D. (Institute of Molecular Genetics RAS, Shemyakin-Ovchinnikov Institute of Bioorganic chemistry RAS, Russia)</i></p>
10.45 - 11.15	<p>Gene and Stem Cell Therapies for Genetic Diseases <i>Song S. (Powell Gene Therapy Center, University of Florida, Gainesville, FL, USA)</i></p>
11.15 - 11.40	Coffee break
11.40-14.00	<p>Plenary session 2 Chairpersons: Simirskiy V.N. (Russia), Kofiadi I.A. (Russia), Kuliev A.M. (USA)</p>
11.40 - 12.10	<p>The Potential of Using Molecular Diagnostics in Basic and Clinical Medicine <i>Kofiadi I.A. (National Research Center Institute of Immunology, FMBA, Moscow, Russia)</i></p>
12.10 - 12.50	<p>The Second Generation Molecular Diagnostic that Portends the End of Culture in the Clinical Microbiology Lab <i>Ehrlich G.D. (Center for Genomic Sciences, Allegheny Singer Research Institute associated with Drexel College of Medicine, Pittsburgh, PA, USA)</i></p>
12.50 - 13.20	<p>Expanding Indications for Pre-Implantation Genetic Diagnosis <i>Kuliev A.M. (Reproductive Genetics Institute, Chicago, IL, USA)</i></p>
13.20 - 13.50	<p>Personalized Molecular Medicine and Companion Diagnostics <i>Cotter P.D. (Pacific Dx Clinical Laboratory associated with UCSF, Orange County, CA, USA)</i></p>
13.50 - 14.00	Discussion
14.00 - 15.00	Lunch
15.00-16.25	<p>Plenary Session 3 Chairpersons: Suchkov S.V. (Russia), Poletaev A.B. (Russia), Astarita G. (USA), Bunz F. (USA), Marshall T. (Australia-USA)</p>
15.00-15.30	<p>Proteomics and Technical Support to It in Modern Medicine <i>Nikolaev E. (The Institute of Problems of Chemical Physics RAS, Moscow, Russia)</i></p>
15.30-16.00	<p>What Can Microbial Genomes Tell Us about Human Health? <i>Marshall T. (Murdoch University, Australia, and Autoimmunity Research Foundation, LA, CA, USA)</i></p>
16.00-16.25	<p>Antigen Biomarkers in Clinical Practice <i>Nikulina D.M., Terentyev A.A. (Astrakhan State Medical Academy, Russian State Medical University, Moscow-Astrakhan, Russia)</i></p>

16.25-16.55	Coffee Break
16.45-18.45	Plenary Session 4 Chairpersons: <i>Nikulina D. M. (Russia), Anisimov V. N. (Russia), Muchowski P. (USA), Herrera A.S. (Mexico)</i>
16.45 - 17.05	Antibodies as Biomarkers and Biopredictors in Clinical Practice <i>Poletaev A. (Institute of Normal Physiology, RAMS; “Immunculus” Research and Development Center, Moscow, Russia)</i>
17.05 - 17.25	Antibodies with Functional Capacity as Predictive and Diagnostic Tools in Monitoring Patients with Chronic Diseases of Autoimmune Nature <i>Suchkov S.V. (Moscow State Medical Stomatological University, I.M. Sechenov First Moscow State Medical University, Moscow, Russia)</i>
17.25 - 17.55	A Genetic Approach to Evaluating New Therapeutic Targets <i>Bunz F. (Department of Radiation Oncology and Molecular Radiation Sciences, School of Medicine, Johns Hopkins University, Baltimore, MD, USA)</i>
17.55 - 18.25	Pharmacologic Manipulation of Stem and Cancer Stem Cells <i>Kahn M., Song S. (University of Southern California, LA, USA)</i>
18.25 - 18.45	Various States of Stem Cells in Human Body: Dynamic Platforms for Developing Tools for Preventive and Recovering Medicine at IDDM 1 <i>Kostyushev D.S., Kurguzov I.Y., Dawson T., Bueverova E.I., Alexanian A., Drize N.I., Martin F., Suchkov S.V. (Moscow State Medical Stomatological University, I.M. Sechenov First Moscow State Medical University (Moscow, Russia); Center for Bioengineering and Stem Cell Research of John Hopkins University Medical Institutions (Baltimore, MD, USA); Koltsov N.K. Institute of Developmental Biology, RAS, Hematology Research Centre RAMS (Moscow, Russia); Department for Biochemistry and Molecular Biology at School of Medicine of Lancaster University (Lancaster, UK))</i>
19.00	Congress Dinner

June 19

Red Hall A	
09.00-11.15	Practical Advances of Translational Medicine 1
	Chairpersons: <i>Zaichik A.M. (Russia), Suchkov S. (Russia), Kahn M. (USA), Astarita G. (USA)</i>
09.00 - 09.40	Treatment of Autoimmunity by Re-Induction of Self-Tolerance and Regulation of Anti-Self Reactivity by Mesenchymal Stromal Stem Cells <i>Slavin Sh., Brodie Ch. (International Center for Cell Therapy & Cancer Immunotherapy (CTCI), Weizmann Center, Tel Aviv, Israel, and Department of Neurosurgery, Henry Ford Hospital, Detroit, MI, USA)</i>
09.40 - 10.20	Targeting the Peripheral Immune System to Modify Neurodegeneration <i>Muchowski P.J. (Department of Biochemistry and Biophysics & Department of Neurology, School of Medicine associated with Gladstone Institute of Neurological Disease, UCSF, San-Francisco, CA, USA)</i>
10.10 - 10.45	Gene Therapy as a Part of Modern Clinical Medicine: from Fundamental Models, through a Stage of Translational Research, and to Applying the Newest Technologies in the Clinical Practice of an Ophthalmologist <i>Simirsky V., Duncan M. (N.K. Koltsov Institute of Developmental Biology, RAS, Moscow, Russia Department of Biological Sciences, University of Delaware, Newark, DE, USA)</i>
10.45 - 11.15	New Frontiers for Lipidomics in Translational Medicine <i>Astarita G. (Division of Translational Medicine, Discovery & Life Sciences, Milford, USA)</i>
11.15 - 11.45	Coffee break
11.15-14.00	Practical Advances of Translational Medicine 2
	Chairpersons: <i>Tyukavin A. (Russia), Zaichik A.M. (Russia), Marshall T. (Australia-USA), Pozzilli P. (Italy)</i>
11.45 - 12.15	Recent Progress in the Ribosome Recycling in Prokaryotes and Eukaryotes <i>Kaja A. (School of Medicine, University of Pennsylvania associated with Kimmel Cancer Center, Thomas Jefferson University, Philadelphia, USA)</i>
12.15 - 12.50	IDDM1 as an Autoimmune Entity: Yestarday, Today and Tomorrow in Treatment <i>Pozzilli P. (Department of Endocrinology and Diabetes, University Campus Bio-Medico, Rome, Italy)</i>
12.50 - 13.10	The Main Causes of Unavoidable Uncertainty and Low Predictability in the Genetics of Predispositions <i>Khromov-Borisov N.N., Rubanovich A.B. (St. Petersburg State I.P. Pavlov Medical University, St. Petersburg, Russia), (Vavilov Institute of General Genetics, RAS, Moscow, Russia)</i>
13.10 - 13.35	The Potential of the Pharmacological Control of mTOR with a View of Cancer and Premature Aging Prevention <i>Anisimov V.N., Blagosklonny M.V. (N.N. Petrov Institute of Oncology, St. Petersburg, Russia, and Roswell Park Cancer Institute, Buffalo, NY, USA)</i>
13.35 - 14.00	Human Photosynthesis and Its Effect Over the Recovery Mechanisms in Tissues: Pathways for the Translation <i>Herrera A.S. (Centro de Estudios de la Fotosíntesis Humana, Mexico)</i>
14.00 - 15.00	Lunch

15.00-17.00	Practical Advances of Translational Medicine 3 <i>Chairpersons: Shlyakhto E.V. (Russia), Zaichik A.M. (Russia), Nakase T. (Japan), Leon F. (USA)</i>
15.00 - 15.20	The Effect of Apoptosis Products on Cardomyocyte Progenitor Cells and Myocardial Contractility <i>Tyukavin A.I. (St. Petersburg State Chemical Pharmaceutical Academy, I.M. Sechenov Institute of Evolutionary Physiology and Biochemistry, RAS, V.A. Almazov Federal Center for Heart, Blood & Endocrinology, St. Petersburg, Russia)</i>
15.20 - 15.50	Altered Inflammatory Response after Acute rt-PA Thrombolytic Therapy in Ischemic Stroke Patient <i>Nakase T. (Department of Stroke Science, Research Institute for Brain & Blood Vessels, Akita, Japan)</i>
15.50 - 16.20	Linkage Between Genetic Adaptations and Extreme Hypoxia and Disease Susceptibilities. The Lesson from Naked Mole Rats <i>Fomicheva E. (Jerichon, Ann Arbor, MI, USA)</i>
16.20 - 16.50	Optimizing Translational Research and Basic Principles and a Case Study: IL-12 and IL-23 inhibition in Psoriasis <i>Leon F. (Immunology Development, Janssen Research & Development, PA, USA)</i>
16.50 - 17.00	Discussion
17.00 - 17.15	Coffee Break
17.15-19.00	Practical Advances in Translational Medicine and the New Generation of Research, Clinical, and Educational Standards in National Healthcare <i>Chairpersons: Larionova V.I. (Russia), Shestakova L.A. (Russia), Golubnitschaja O. (Belgium), Legg M. (Australia)</i>
17.15 - 17.45	Creating Sustainable Biospecimen Resources to Further Translational Medicine <i>Rabiner C. (National Cancer Institute, NIH, Bethesda, MD, USA)</i>
17.45 - 18.05	Challenges for Health Informatics and Bioinformatics in Predictive, Preventive and Personalized Medicine If It Is to Be Practical <i>Legg M. (Centre for Health Informatics and e-Health Research, University of Wollongong and the Royal College of Pathologists, Australia)</i>
18.05 - 18.25	The Problem of “Rare Diseases” As Both the Result and Development Drive of Translational Medicine. Basic Elements of a New Healthcare System <i>Sokolov A.A., Mazurov V.I., Sofronov G.A., Larionova V.I. (Institute of Experimental Medicine RAMS, St. Petersburg, Russia)</i>
18.25 - 18.45	The Levels of PPPM-Related Care to Advance Medicine of the Future <i>Golubnitschaja O. (EPMA, Brussels, Belgium)</i>
18.45 - 19.00	<i>Prof. Slavin Sh. (Israel)</i> <i>Prof. Marshall T. (Australia-USA)</i> <i>Prof. Leon F. (USA)</i> <i>Prof. Shlyakhto E.V. (Россия)</i> <i>Legg M. (Australia)</i> <i>Prof. Golubnitschaja O. (EPMA, Brussels, Belgium)</i> <i>Prof. Larionova I.V., Chairperson of the Scientific Program/Organizing Committee (Russia)</i> Closing Speech <i>Prof. Suchkov S.V., Vice-President of the Congress (Russia)</i>
19.00	Congress Dinner

Red Hall B	
9.00-11.15	<i>Symposium Molecular Cardiology</i> <i>Chairpersons: Berkovich O.A. (Russia), Sirotkina O.V. (Russia), Baranova E.I. (Russia)</i>
09.00 - 09.20	Molecular Genetic Basis of Cardiovascular Diseases <i>Sirotkina O.V. (St. Petersburg)</i>
09.20 - 09.40	Specific Characteristics of the Genotypes of Genes of Renin-Angiotensin System and β2-Adrenergic Receptors in Patients with Hypertension in the Republic of Mordovia <i>Goncharova L.N. (Saransk)</i>
09.40 - 10.00	New Genetic Risk Factors for Venous Thromboembolism <i>Kapustin S.A. (St. Petersburg)</i>
10.00 - 10.20	Modern Approaches to Diagnosis of Early (Preclinical) Stage of Atherosclerosis and Aneurism of Major Vessels: Abilities of Predictive-Preventive Medicine <i>Evyushkin I.A., Charchyan E.R., Cherepakhin D.I., Gnatenko D.V., Bazylev V.V., Vinnitskiy L.I., Belov Y.V., Suchkov S.V. (Penza, Moscow)</i>
10.20 - 10.40	The Role of ABC Transporters in Atherosclerosis Development <i>Miroshnikova V.V. (St. Petersburg)</i>
10.40 - 11.00	Leptine Gene's and Its Rreceptor's Polymorphism in Patients with Metabolic Syndromes <i>Chubenko E.V., Belyaeva O.D., Berkovich O.A., Baranova T.B. (St. Petersburg)</i>
11.00 - 11.15	Beta2-adrenoreceptor Gene Polymorphism in Patients with Ischemis Heart Disease <i>Ignatyeva O.I., Berkovich O.A., Larionova V.I. (St. Petersburg)</i>
11.15 - 11.45	Coffee break
11.45-14.00	<i>Symposium Molecular neurology</i> <i>Chairpersons: Gorbunova V. N. (Russia), Rudenko D.I. (Russia., Pchelina S.N. (Russia)</i>
11.45 - 12.05	Molecular Basis of Biological Features of Fider Cells <i>Anisimov S.V. (St. Petersburg)</i>
12.05 - 12.20	DNA Diagnosis of Inherited Forms of Parkinson's Disease <i>Pchelina S.N. (St. Petersburg)</i>
12.20 - 12.40	Pompe Disease, Clinical Manifestation, Diagnosis, and Treatment Prospects <i>Rudenko D.I. (St. Peterburg)</i>
12.40 - 13.00	The Prospects of Using Patient-Specific Induced Pluripotent Stem Cells in Treating Neurodegenerative Disorders <i>Grivennikov I.A. (Moscow, Russia)</i>
13.00 - 13.15	Modern Protocol of Multiple Sclerosis at Preclinical and Clinical Phases Using Advantages of Genomics, Proteomics and Metabolomics <i>Bocharova M.A., Krynskiy S.A., Kostyushev D.A., Gnatenko D.V., Kostyakov A.V., Demkin V.G., Nikolayev E.N., Piradov M.A., Paltsev M.A., Suchkov C.V. (Moscow)</i>
13.15 - 13.30	Mimetics of Apolipoprotein E and Alzheimer's Disease Pathogenesis <i>Bolshakova O.I., Rodin D.I., Sarantseva S.V. (St. Petersburg)</i>
14.00 - 15.00	Whole Genome Association Scanning in Neurology <i>Gorbunova V.N. (St. Petersburg)</i>
14.00 - 15.00	Lunch

15.00-17.00	<i>Symposium Molecular endocrinology 1</i> <i>Chairpersons: Grineva E.N. (Russia), Belyaeva O.D. (Russia)</i>
15.00 - 15.20	Genetic Polymorphisms in Prediction of Thyroid Gland Pathology <i>Babenko A.Y., Kostareva A.A., Popkova D.A. (St. Petersburg)</i>
15.20 - 15.40	Modern protocols of clinical immunodiagnostics of autoimmune diseases of the thyroid gland: the past, the present and the future <i>Gnatenko D.V., Bogatireva Z.S., Grishina T.I., Mkrtumyan A.M., Antsiferov M.V., Suchkov S.V. (Moscow)</i>
15.40 - 16.00	The Polymorphisms of Vitamine D Receptor Gene. Relation with Metabolic Syndrome Components <i>Karonova T.L., Tsvetkova E.V., Kostareva A.A., Beljaeva O.D., Grineva E.N. (St. Petersburg)</i>
16.00 - 16.20	Sexual Development Disturbances in Children. A Case of Complete Gonadal Dysgenesis <i>Nikitina I.L., Nikulina T.S. (St. Petersburg)</i>
16.20 - 16.50	Neuroimmunoendocrinology: Cell Interaction Signal Molecules As Markers and Targets for Diagnosis and Treatment of Socially Significant Diseases <i>Kvetnoy I.M. (St. Petersburg)</i>
16.50 - 17.00	Discussion
17.15-19.00	<i>Symposium Molecular endocrinology 2</i> <i>Chairpersons: Zaichik A.M. (Russia), Pozzilli P. (Italy), Krasilnikova E.I. (Russia)</i>
17.15 - 17.45	IDDM1 as an Autoimmune Entity: Yestarday, Today and Tomorrow in Treatment <i>Pozzilli P. (Italy)</i>
17.45 - 18.10	IDDM 1: Genomics and Proteomics as the Base for the Selection of Pharmacotherapeutic Targets in the Establishment of Fundamentally New Generations of Diagnostic and Medicinal Tools <i>Kostyushev D.V., Andreeva A.A., Krynskiy S.V., Kostyakov A.V., Putintseva A.V., Kurguzov I.V., Herrath M., Suchkov S.V. (Russia, USA)</i>
18.10 - 18.35	Polymorphism of L162V of PPR-alpha Gene and Polymorphism A603G of Tissue Factor Gene in Patients with Ischemic Heart Disease in Conjunction with Glucose Tolerance Disturbance and with IDDM 2 <i>Ionova Zh.I., Saha S., Caha D., Cergeeva E.G. (St. Petersburg)</i>
18.35 - 19.00	Current Approaches to the Preclinical Diagnosis of and Pharmacopreventive Therapy for IDDM1: Problems and Prospects <i>Andreeva A.A., Suchkova E.N., Krynskiy S.V., Kostyushev D.V., Notkins A., Gnatenko D.V., Herrath M., Suchkov S. V. (Russia, USA)</i>

Red Hall C	
9.00-11.00	<i>Symposium Assisted Reproduction Technologies</i> <i>Chairmen: Kuliev A.V. (USA), Zukin V.D. (Ukraine)</i>
09.00 - 09.20	Medical Genetic Counseling in Assisted Reproduction Technologies <i>Krechmar M. (St. Petersburg)</i>
09.20 - 09.40	An Approach to Harmless Germ Cells Donation in ART Programmes <i>Schelochkov A. (Samara)</i>
09.40 - 10.00	IVF Results in Carriers of Chromosomal Polymorphic Variants <i>Zukin V.D. (Kiev, Ukraine)</i>
10.00 - 10.20	First Experience in Preimplantation Genetic Diagnosis with array-CGH technique <i>Mikitenko D., Zukin V. (Kiev, Ukraine)</i>
10.20 - 10.40	The Effect of the Male Germ Cells Genetic Equipment on the Embryo Development in the Male Infertility <i>Gontar Y., Chaplya O., Ilyin I., Buderatskaya N. (Kiev, Ukraine)</i>
10.40 - 11.00	Features of the Development of Preimplantation Embryos with Complex Chromosomal Abnormalities <i>Chaplya O., Gontar Y., Ilyin I., Buderatskaya N., Bilko N. (Kiev, Ukraine)</i>
11.00 - 11.15	Discussion
11.15 - 11.45	Coffee-break
11.45-14.00	<i>Symposium Reproductive Genetics</i> <i>Chairpersons: Zukin V.D. (Ukraine), Lebedev I.N. (Russia)</i>
11.45 - 12.00	Chromosome Segregation Variation in Men with Balanced Translocations <i>Pipip L., Zukin V., Emelyanenko L., Mikitenko D. (Kiev, Ukraine)</i>
12.00 - 12.15	Interchromosomal Effect or Post-Fertilization Effect of Paternal Chromosome Rearrangement on the Segregation of Maternal Chromosomes? <i>Kovaleva N.V. (St. Petersburg, Russia)</i>
12.15 - 12.30	Y Chromosome Microdeletions in ART Patients <i>Kazmina N., Markova E., Tataru D., Zotova N., Timofeeva I., Zayceva T., Zayceva M., Novoseltseva A., Makhalova N., Serebrennikova O., Svetlakov A. (Krasnoyarsk, Russia)</i>
12.30 - 12.45	The Role of Speradgesine in the Development of Infertility in Men <i>Nikolaev A., Vetoshkin R. (Astrakhan, Russia)</i>
12.45 - 13.00	The Association of a Polymorphic Locus rs3088232 in BRDT Gene with the Risk of Male Infertility in the Population of West Siberian Region of Russia <i>Vainer A., Nagaytsev V., Korolkova O., Vostrikov V., Osadchuk L., Voronina E., Filipenko M. (Novosibirsk, Russia)</i>
13.00 - 13.15	Zygotic Selection by Genomic Dosage of Active Ribosomal Genes as a Possible Risk Factor of Low Fertility <i>Porokhovnik L., Egolina N., Tsvetkova T., Kosyakova N., Lyapunova N.A. (Moscow, Russia)</i>
13.15 - 13.30	An Analysis of Decidual Tissue Expression Profiles in Women Bearing Physiological Pregnancy and in Women Suffering from Gestosis <i>Trifonova E.A., Ershov N.I., Gabidulina T.V., Stepanov V.A. (Novosibirsk, Tomsk)</i>
13.30 - 13.45	Personalized Medicine in Uroandrology: Modern Technologies in Securing of Male Health <i>Shestiperov P.A. (Moscow, Russia)</i>
13.45 - 14.00	Discussion

15.00-17.00	Symposium Modern Technologies in Diagnosis of Chromosomal Diseases <i>Chairpersons: Vorsanova V.G., Yurov Y.B., Kolotiy A., Yourov I.Y. (Russia)</i>
15.00 - 15.45	Cytogenetics Laboratories in Mexico <i>Frias S. (Laboratorio de Citogenetica, Instituto Nacional de Pediatria/Instituto de Investigaciones Biomedicas UNAM, Mexico)</i>
15.45 - 15.55	Innovative Molecular Cytogenetic and Genomic Technologies in Inherited Diseases Diagnosis <i>Yourov I.Y., Vorsanova S.G., Yurov Y.B. (Moscow, Russia)</i>
15.55 - 16.15	Current Advances in Cytogenetics of Mental Retardation: the Results of the International CHERISH Project <i>Lebedev I.N. (Tomsk, Russia)</i>
16.15 - 16.30	Three Cases of 22q11 Microdeletion Syndrome in Infant Patients with Distinct Clinical Manifestations <i>Antonenko V.G., Kozlova Y.O., Levchenko E.G., Karpova O.Y., Kazantseva I.A., Shilova N.V., Zolotukhina T.V. (Moscow, Russia)</i>
16.30 - 16.45	Microdeletion Syndromes Clinically Manifesting as Psychomotor Retardation and Speech Development Delay <i>Bulatnikova M.A., Larionova V.I. (St. Petersburg, Russia)</i>
16.45 - 17.00	Discussion
17.00 - 17.15	Coffee-break
17.15-19.00	Workshop Modern Algorithms of Testing Patients with Chromosomal Pathology <i>Mediators: Kovaleva N.V. (Russia), Kolotiy A.D. (Russia)</i>
17.15 - 18.15	High-Resolution Cytogenetic Diagnosis: Analysis of Difficult Cases of Structural Chromosomal Abnormalities and Microdeletion Syndromes <i>Kolotiy A.D., Kravetz V.S., Vorsanova S.G. (Moscow, Russia)</i>
18.15 - 18.35	Microdeletion and Microduplication Syndromes <i>Kovaleva N.V. (St. Petersburg, Russia)</i>
18.35 - 18.50	Multiplex Ligase Chain Reaction in the Diagnosis Deletions <i>Vasilishinana A.A., Kotelevskaya E.A., Lyazina L.V., Gladkova N.A., Bulatnikova M.A. Shabanova E.C., Krasilnikov V.V., Smolyaninov A.B. (St. Petersburg, Russia)</i>
18.50 - 19.00	Non-Apparent Chromosome Rearrangements. How to Suspect and to Detect? <i>Kovaleva N.V. (St. Petersburg, Russia)</i>
19.00	Conference Dinner

RED HALL D	
09.00-11.15	<i>Symposium Rare and inherited diseases as viewed by a gastroenterologist</i> <i>Chairpersons: Novikova V.P., Polyakova S.I., Scherbakova P.L., Larionova V.I. (Russia)</i>
09.00 - 09.20	The Potential of Modern Method of Endoscopy in Detection of Cjngenital and Genetic Diseases in Children <i>Scherbakova P.L. (Moscow, Russia)</i>
09.20 - 09.40	Hereditary Diseases of Gastrointestinal Tract in Children. Age-Related Aspects of the Pathology <i>Novikova V.P. (St. Petersburg, Russia)</i>
09.40 - 10.00	Differential Diagnosis of Neonatal Jaundice <i>Shabalov N.P. (St. Petersburg, Russia)</i>
10.00 - 10.20	Gepatocerebral Dystrophy (Wilson-Konovalov Disease): Diagnosis Algorithms, Potentials of Individualised Therapy <i>Sokolov A.A. (St. Petersburg, Russia)</i>
10.20 - 10.35	Genetic Markers in Diagnosis of Celiakia <i>Vokhmyanina N.V. (St. Petersburg, Russia)</i>
10.35 - 10.45	Clinical Case of Galactosemia: Diagnosis, Follow-Up, and Catamnesis <i>Dubovenko L.S., Tyurina S.I. (St. Petersburg, Cherepovetsk, Russia)</i>
10.45 - 11.00	Gastrointestinal Manifestations of Galactocialidosis <i>Privorotskiy V.F.</i>
11.00 - 11.15	Contribution of Allele Polymorphisms of TNF gene to the Genetic Architecture of Cystic Fibrosis Phenotype <i>Pukhalskiy A.L. (Moscow, Russia)</i>
11.15 - 11.45	Coffee Break
11.45-14.00	<i>Symposium Clinical Pharmacogenetics</i> <i>Chairmen: Zvartau E.E. (Russia), Sychev D.A. (Russia)</i>
11.45 - 12.00	Ethnic Aspects of Anticonvulsant Pharmacogenetics <i>Pilyugina M.S., Shnaider N.A. (Krasnoyarsk, Russia)</i>
12.00 - 12.15	The Protocol of Pharmacogenetic Examination at Valproat Therapy of Women Epilepsy <i>Sergeeva T.V. (St. Petersburg, Russia)</i>
12.15 - 12.30	The Pharmacogenetics of Coumarin Therapy: from Population Studies to Clinical Practice <i>Vavilova T. (St. Petersburg)</i>
12.30 - 12.45	Genetic Studies at Administering Anti-Aggregation Therapy – Real Options and Future Prospects <i>Sirotkina O.V. (St. Petersburg, Russia)</i>
12.45 - 13.00	The Opportunities for Creating Algorithms of Personalized Therapy in CHD Patients <i>Zagorodnikova K., Burbello A., Natsas A. (St. Petersburg, Russia)</i>
13.00 - 13.15	Applied Aspects of Using Pharmacogenetic Testing in Cardiological Practice: Problems and Prospects <i>Sychev D.A. (Moscow, Russia)</i>
13.15 - 13.30	Marker Profile of Resistant Bronchial Asthma <i>Mironova Zh.A. (St. Petersburg, Russia)</i>
13.30 - 13.45	Using Pharmacogenetic Data in Clinical Practice – Options and Mistakes <i>Bezborodova MA., Markov A.V. (St. Petersburg, Russia)</i>
13.45 - 14.00	Discussion
14.00 - 15.00	Lunch

15.00-17.00	Symposium Hereditary Disorders of Lipid Metabolism <i>Chairpersons: Astarita G., (USA), Sokolov A.A. (Russia), Scherbakova M.Y. (Russia), Larionova V.I. (Russia)</i>
15.00 - 15.15	New and Known Mutations in LDL Receptor Gene in Patents with Familial Hypercholesterolemia in Karelia <i>Komarova T.Y., Golovina A.S., Korneva V.A., Lipovetsky B.M., Serebrenitskaya M.P., Konstantinov V.O., Vasilyev V.B., Mandelshtam M.Ju. (St. Petersburg, Petrozavodsk, Russia)</i>
15.15 - 15.35	Molecular Genetics of Familial Hypercholesterolemia in Russia: Current State of the Problem <i>Mandelshtam M.Y., Komarova T.Ju., Vasilyev V.B. (St. Petersburg, Russia)</i>
15.35 - 15.50	Lipid Disturbances in Children <i>Scherbakova M.Y. (Moscow, Russia)</i>
15.15 - 16.10	Intensive Methods of Treatment of Hereditary Hyperlipidemias <i>Sokolov A.A. (St. Petersburg, Russia)</i>
16.10 - 17.00	New Frontiers for Lipidomics in Translational Medicine <i>Astarita G. (Division of Translational Medicine, Discovery & Life Sciences, Milford, USA)</i>
17.00 - 17.15	Coffee-break
17.15-19.00	Symposium Molecular Basis of Sports Medicine <i>Chairpersons: Didur M.D. (Russia), Lidov P.I. (Russia), Glotov A.S. (Russia)</i>
17.15 - 17.30	Personal Medical Programs Based on Genetic Testing <i>Lidov P.I. (Moscow, Russia)</i>
17.30 - 17.45	Comparison of Genotypes in Athlets of Various Specialisation by a Set of Sports Success Genes <i>Mosse I.B., Gonchar A.L., Zhur K.V. (Minsk, Belorussia)</i>
17.45 - 18.00	Examination of genetic effects on Sports Successfulness in Speed-Power Kinds of Sport <i>Feropontov M.A., Lekontsev E.V., Pushkarev V.P., Pushkarev E.D., Djatlov D.A., Kulikov L.M. (Chelyabinsk, Russia)</i>
18.00 - 18.15	Study on Markers of “Genetic Health” in Sportsmen <i>Glotov A.S. (St. Peterburg, Russia)</i>
18.15 - 18.30	Standartization of Genetic Testing in Sports <i>Maslennikov A.B. (Novosibirsk, Russia)</i>
18.30 - 18.45	Genetic Markers of Thrombophilia in Highly Skilled Sportsmen <i>Pushkarev V.P., Djatlov D.A., Lekontsev E.V., Pushkarev E.D., Vishnev V.Ju., Kulikov L.M. (Chelyabinsk, Russia)</i>
18.45 - 19.00	Discussion

HALL 1	
09.00-11.15	<i>Symposium Clinical Epigenetics and Non-Mendelian inheritance</i> <i>Chairpersons: Lebedev I.N. (Russia), Zaletaev D.V. (Russia)</i>
09.00 - 09.15	Polyglutamine Diseases in Yakutia <i>Maksimova N.R (Yakutsk, Russia)</i>
09.15 - 09.30	New Markers and Systems of Abnormal Methylation in Breast Cancer <i>Zaletaev D.V. (Moscow, Russia)</i>
09.30 - 09.45	The Characteristics of the Epigenetic Regulation of Laminine Gene Family Members in Breast Cancer <i>Strelnikov V.V. (Moscow, Russia)</i>
09.45 - 10.00	Circulating DNA in Oncopathology: the Characteristics of the Circulation of Aberrantly Methylated DNA and a Search for New Epigenetic Markers <i>Rykova E.Y. (Novosibirsk, Russia)</i>
10.00 - 10.15	Epigenetic Characterization of Breast Tissues and Regional Lymph Node Metastases in Cancer Patients with the Use of Methyl-ChIPs <i>Skryabin N.A. (Tomsk, Russia)</i>
10.30 - 10.45	Asymmetric X-Chromosome Inactivation and Human Congenital Defects <i>Tolmacheva E.N. (Tomsk, Russia)</i>
10.45 - 11.00	Epigenetic Characteristics of X-Chromosome Activation in Human Induced Pluripotent Stem Cells <i>Bogomazova A.N. (Moscow, Russia)</i>
11.15 - 11.45	Coffee Break
10.45-14.00	<i>Symposium Modern molecular diagnostics technologies</i> <i>Chairpersons: Natalyin P.B. (Russia), Khokhlov S.V. (Russia), Ehrlich G.D. (Pittsburg, USA)</i>
11.45 - 12.15	New Approaches to Studying Metabolomic Processes Using Mass-Spectrometry <i>Khokhlov S.V.</i>
12.15 - 12.45	New Life Technologies Methods in Genetic Analysis: Practical Use in Science and Medicine <i>Natalyin P.B. (Moscow, Russia)</i>
12.45 - 13.15	Newest Developments of “Illumina” Company in the Field of Personalized Medicine <i>Demin I.N. (Moscow, Russia)</i>
13.15 - 13.45	A Quality Breakthrough in BioRad Quantitative PCT Technologies <i>Verner A.E. (Moscow, Russia)</i>
13.45 - 14.00	Optimization of Genetic Testing Result Interpretation on the basis of xGenCloud <i>Ugarov I.V., Litvinova M.M. (Moscow, Russia)</i>
14.00 -15.00	Lunch
15.00-17.00	<i>Round Table Means of Adoption of Translational Medicine Advances into Health Care Service</i> <i>Coordinators: Ruman S. (Bulgary), Karimova C.I. (Russia), Sokolov A.A. (Russia), Maslennikov A.B. (Russia), Lationova V.I. (Russia)</i>
17.00 - 17.15	Coffee-break
17.15-19.00	<i>Symposium DNA Diagnosis in Forensic Practice. Biological and Legal Aspects</i> <i>Chairmen: Ivanov P.L. (Russia), Khaltchitskiy S.E (Russia)</i>
17.15 - 17.35	Using of Laser Microdissection Technology for Genotyping Mitochondrial DNA in a Single Cell <i>Ivanov P.L. (Moscow, Russia)</i>

17.35 - 17.50	Molecular Genetics Examination at Mass Fatal Accidents <i>Zemskova E.Y., Ivanov P.L. (Moscow, Russia)</i>
17.50 - 18.05	Modern Approaches to Quantitative DNA Analysis in the Routine of Expert Labs <i>Pochekovskiy A.I. (Moscow, Russia)</i>
18.05 - 18.20	Molecular Genetic Expertise at Identification of Historical Remnants <i>Smolyanitskiy A.G. (St. Petersburg, Russia)</i>
18.20 - 18.35	Expert Examination of Non-Human DNA: Potentials of Molecular Genetic Expertise at Investigation of Cases of Illegal Hunting for Wild Animals <i>Orekhov V.A. (Moscow, Russia)</i>
18.35 - 18.55	Elaboration and Application of Biological Microchips in Forensic Science <i>Fesenko D.O. (Moscow)</i>
18.55 - 19.00	Discussion

June 20

RED HALL A	
09.00-11.00	Symposium The problems of metrology, certification and standartization in molecular diagnostics <i>Chairpersons: Emmanuel V.L. (Russia), Hawkins M. (UK), Suvorov V.I. (Russia)</i>
09.00-9.25	Metrology Aspects of Laboratory Medicine <i>Suvorov V.I. (Moscow, Russia)</i>
09.25-10.05	Quality Management in the Clinical Laboratory <i>Cotter P.D. (USA)</i>
10.05-10.40	Genetic Reference Materials <i>Hawkins M. (UK)</i>
10.40-11.00	No title received as per date of production. Please see http://www.congress-ph.ru/molekula_12/index.html for possible updates <i>Voinskiy M.S. (St. Petersburg, Russia)</i>
11.00 -11.20	Coffee Break
11.20-14.00	Symposium Education as the Basis of Scientific Research and Clinical Care within the Scope of the Objectives of Molecular Medicine <i>Chairpersons: Asanov A.Y. (Russia), Larionova V.I. (Russia), Shestakova L. A. (Russia), Thurston V.C. (USA), Legg M. (Australia)</i>
11.20-11.50	Problems and Prospects of Teaching in Medical Genetics in Russian federation <i>Asanov A.Y. (Moscow, Russia)</i>
11.50-12.30	Professional Genetics Education of Physicians, Genetic Counselors, and Laboratory Directors in the US <i>Thurston V.C. (Indiana University School of Medicine, Tampa, US)</i>
12.30-13.00	Education and Integration of Specialists in the Field of Molecular and Translational Medicine <i>Salmina A.B., Vasnetsova O.A., Shestakova L. A. Grachev S.V., Lopukhin Y.M., Klimenko G.M., Yuschuk N.D., Bodrova T.A., Suchkov S.V. (Krasnoyarsk-Moscow, Russia)</i>
13.00-14.00	The Research Side of Genetics. Scientific Education and Professional Training of Ph.D.'s in the US <i>Thurston V.C. (Indiana University School of Medicine, Tampa, US)</i>
14.00 -15.00	Lunch
15.00-17.30	Round Table Education as the Basis of Scientific Research and Clinical Care within the Scope of the Objectives of Molecular Medicine <i>Coordinators: Elyashevich A.M. (St. Petersburg), Smirnova N.N. (St. Petersburg), Kurynin R.V. (Moscow), Melnikova I.J. (St. Petersburg), Gorbunova V.N. (St. Petersburg)</i>
15.00-15.20	New Educational Paradigms in the Teacher's Professional Competence in Relation to Joining the Bologna Process <i>Romantsov M.G., Melnikova I.Y. (St. Petersburg)</i>
15.20-15.40	On Teaching in Non-Core Disciplines at Medical Higher Education Institutes <i>Elyashevich A.M., Larionova V.I. (St. Petersburg)</i>
15.40-16.00	Methodology of Module Construction of Educational Programs at the Stage of Postgraduate Education <i>Melnikova I.Y., Romantsov M.G. (St. Petersburg)</i>

16.00-16.20	Aspect of Teaching of Undergraduate and Postgraduate Students in Medical Genetics <i>Kharchenko T.V. (St. Petersburg)</i>
16.20-16.40	The Centre of Innovative Educational Programs “Medicine for the Future”: an Integration of Teaching in Personalized Medicine to the Federal Educational Standards <i>Kurynin R.V. (Moscow)</i>
16.40-17.30	Discussion

RED HALL B	
9.00-11.00	<i>Symposium Stem Cells and Cell Technologies</i> <i>Chairperson: Zakiyan S.M. (Novosibirsk, Russia)</i>
09.00 - 09.20	Gene Therapy Using Pluripotent Stem Cells <i>Tomilin A.N. (St. Petersburg, Russia)</i>
09.20 - 09.40	Pluripotent Cells and the Potential of Their Application <i>Zakiyan S.M. (Novosibirsk, Russia)</i>
09.40 - 10.00	Plasticity of Postnatal Stem Cells in the Development of Tissue Equivalents <i>Vasilyev A., Kiseleva E., Rogovaya O., Petrakova O., Terskih V. (Moscow, Russia)</i>
10.00 - 10.20	Hematopoietic and Mesenchymal Stem Cells in the Pathogenesis of Pneumofibrosis <i>Dygai A., Skurichin E., Pershina O., Khmelevskaya N., Ermakova N., Ermolaeva L., Krupin V., Reztsova A., Stepanova I. (Tomsk, Russia)</i>
10.20 - 10.40	Heart Tissue engineering and systems of cardiotoxicity detection <i>Agladze N.N., Agladze K. (Japan-Russia)</i>
10.40 - 11.00	Discussion
11.00 - 11.20	Coffee break
11.20-14.00	<i>Symposium Molecular Oncohematology</i> <i>Chairpersons: Afanasyev B.V. (St. Petersburg), Zubarovskaya L.S. (St. Petersburg), Martynkevich I.C. (St. Petersburg)</i>
11.20 - 12.00	Personalized Healthcare Applications of Roche 454 Sequencing in Clinical Oncology & Human Genetics <i>LaRoche W. (Head of Healthcare Roche 454 Life Sciences)</i>
12.00 - 12.20	An Importance of Getting a Major Molecular Response in Patients with Chronic Myeloleukemia under Thyrosinokinase Inhibitor Therapy <i>Martynkevich I.C. (St. Petersburg)</i>
12.20 - 12.40	Molecular Markers in Diagnosis and Therapy of Myelodisplastic Syndrome and Acute Myeloid Leukosis <i>Petrova E.V. (St. Petersburg)</i>
12.40 - 13.00	Diagnostic and Prognostic Value of Molecular Anomalies Detected in Patients with Chronic Myeloproliferative Diseases <i>Kozlovskaya M.A., Martynkevich I.C. (St. Petersburg)</i>
13.00 - 13.20	Leukoses with a High Expression of EVI-1 gene: Theoretical and Clinical Aspects <i>Mamayev N.N., Gorbunova A.V., Barchatov I.M., Bondarenko S.N., Afanasyev B.V. (St. Petersburg)</i>
13.20 - 13.40	Deletions of the IKZF1 gene (Transcriptional Factor IKAROS) as a Marker of Minimal Residual Disease in Patients with Acute Lymphoblast Leukosis <i>Barchatov I.M., Zagrivnaya M.V., Akimova A.V., Zubarovskaya L.S., Afanasyev B.V. (St. Petersburg)</i>
13.40 - 14.00	Discussion
14.00 - 15.00	Lunch
15.00-17.30	<i>Symposium Molecular Oncology</i> <i>Chairpersons: Kahn M. (USA), Anisimov V.N. (Russia), Chukhlov A.B. (Russia)</i>
15.00 - 15.40	Pharmacologic Manipulation of Stem and Cancer Stem Cells <i>Kahn M. (University of Southern California, LA, USA)</i>
15.40 - 16.15	The role of MR spectroscopy in brain tumor differentiation <i>Kozic D., Ostojic J., Koprivsek K., Boskov N. (University of Novi Sad School of Medicine, Institute of Oncology, Diagnostic Imaging Center, Sremska Kamenica, Novi Sad, Serbi)</i>

16.15 - 16.30	<p>Establishing Systems for the Detection of Widely Occurring Mutations in KRAS and BRAF Genes with the Use of Pyrosequencing <i>Drybnohodova O., Mironov K., Dunaeva E., Markelov M., Voitsekhovskaya Y., Demidova I., Barinov A., Shipulin G. (Moscow, Russia)</i></p>
16.30 - 16.45	<p>The System of Support in Making a Decision about Administering a Targeted Antitumor Drugs <i>Kuzmina N.B., Gromova N.V., Zhestkov B.G., Zyablitsin A.V., Krupnov A.V., Smirnov F.Y., Ivanova E.N. Borisov N.M. (Moscow, Russia)</i></p>
16.45 - 17.00	<p>Postgenomics Technologies in Development of Genomics-Proteomics System, by Example of Prostate Tumor <i>Peshkov M.N. (Moscow, Russia)</i></p>
17.00 - 17.15	<p>Test-System based on Aptamers as Biomarker for Protocols of Personalized Diagnosis and Therapy of Lung Cancer <i>Shestakova L.A., Zamay T.N., Zamay G.S., Krat A.V., Savitskaya A.G., Zamay O.S., Malysheva E.A., Beltyukov V.K., Zamay A.S. (Krasnoyarsk)</i></p>
17.15 - 17.30	<p>Thiol-Disulfide System as Universal Biomarker for Personalized Therapy of Infectious and oncological diseases <i>Volchek I.V., Petrov A.C., Ostretsova I.N. (St. Petersburg, Russia)</i></p>

RED HALL C	
9.00-9.30	<i>Symposium Modern Conception of Microbiology</i> <i>Chairpersons: Shenderov B.A. (Moscow), Tkachenko E.I. (St. Petersburg)</i>
9.00 - 9.30	Indigenous Microbiota and Human Epigenomics <i>Shenderov B.A. (Moscow)</i>
9.30 - 10.00	Mass-Spectrometry of Microbial Markers as a Tool of Clinical Monitoring of Microbiome and Metabolome <i>Osipov G.A. (Moscow)</i>
10.00 - 10.30	A New Doctrine: Clinical Microbiology <i>Tkachenko E.I.(St. Petersburg)</i>
10.30 - 11.00	Personal Human Microbiote and Potential Therapy with Autoprobiotics <i>Suvorov A.I., Simonkov V.I. (St. Petersburg)</i>
11.00 - 11.20	Coffee break
11.20-14.00	<i>Symposium Genome Instability Diseases. Current Approaches to Assessing Mutagenic Effects of Xenobiotics</i> <i>Chairpersons: Ledascheva T., Mikhelson V., Spivak I. (St. Petersburg, Russia)</i>
11.20 - 12.00	Genotoxicity of the anticancer treatment in survivors of Hodgkin Lymphoma <i>Frias S. (Laboratorio de Citogenetica, Instituto Nacional de Pediatria/Instituto de Investigaciones Biomedicas UNAM, Mexico)</i>
12.00 - 12.20	Biomarkers of Induced Aging and of Life Span Shortening in Radiation-Exposed Individuals and Their Offspring <i>Telnov V. (Ozersk, Russia)</i>
12.20 - 12.35	Polymorphism of the System of Xenobiotic Detoxication Genes as a Risk Factor of Pathological Conditions <i>Gorovenko N.G., Podolskaya S.V. (Kiev, Ukraine)</i>
12.35 - 12.50	Epigenetic Characteristics in Premature Aging <i>Kuranova M. (St. Petersburg, Russia)</i>
12.50 - 13.05	The Prospects of Non-Radioactive Transplantation of Circulating Stem Cells Application in Medicine and Geriatrics <i>Kovina M. (Moscow, Russia)</i>
13.05 - 13.20	Chromosome Instability Syndromes Most Common in Clinical Practice <i>Ledascheva T. (St. Petersburg, Russia)</i>
13.20 - 13.35	Clinical, Molecular, and Immunological Aspects of Ataxia-Teleangiectasia <i>Tulush E. (Kyzyl, Tyva, Russia)</i>
13.35 - 13.50	Laminopathies as Accelerated Aging Diseases <i>Spivak I.M. (St. Petersburg, Russia)</i>
13.50 - 14.00	Discussion
14.00 - 15.00	Lunch

RED HALL D	
9.00-18.00	Workshop Neurometabolic diseases (Hereditary metabolic diseases accompanied with affection of nervous system) 1 <i>Mediators: Lazebnik T.A. (St. Petersburg), Zakharova E.Y. (Moscow), Ledascheva T.A. (St. Petersburg), Larionova V.I. (St. Petersburg)</i>
09.00 - 09.40	Hereditary Metabolic Diseases: Classification and Modern Diagnostic Methods <i>Larionova V.I. (St. Petersburg)</i>
09.40 - 10.10	Neonatal Inborn Metabolic Disorders. Diagnosis and Treatment <i>Degtyareva A.V. (Moscow)</i>
10.10 - 10.40	Urea Cycle Disturbance: Diagnostics, Differential Diagnostics, Clinical Cases <i>Skerlene B. (Lithuania)</i>
10.40 - 11.00	L-2-hydroxylglutar Aciduria, Atypical Organic Aciduria: Diagnosis, Clinical Case <i>Bulatnikova M.A., Efet E.A., Larionova V.I. (St. Petersburg)</i>
11.00 - 11.20	Coffee-break
11.20-14.00	Workshop Neurometabolic diseases (Hereditary metabolic diseases accompanied with affection of nervous system) 2 <i>Mediators: Polyakova S.I. (Moscow), Lyazina L.V. (St. Petersburg), Vokhmyanina N.V. (St. Petersburg)</i>
11.20 - 11.40	Phenylalanil Metabolism Disorders. Aspects of Differential Diagnosis and Treatment <i>Lyazina L.V. (St. Petersburg)</i>
11.40 - 12.00	Thirosinemia Type 1. Diagnosis and Treatment. Presentation of Clinical Cases. <i>Polyakova S.I. (Moscow)</i>
12.00 - 12.20	First Experience of Neonatal Screening by Tandem Mass-Spectrometry in Sverdlovskaya Oblast. Problems and Means to Overcome <i>Nikitina N.V., Belyaeva T.I. (Ekaterinburg)</i>
12.20 - 12.40	Mass-Spectrometry Technologies for Diagnosis of Metabolic Diseases <i>Khokhlov S.V. (Moscow)</i>
12.40 - 13.20	Niemann-Pick Type C Disease, Demonstration of Clinical Cases
13.20 - 13.50	Neurovisualization Technologies Potentials in Diagnosis of Hereditary Diseases <i>Schugareva L.M., Trofimova T.N. (St. Petersburg)</i>
13.50 - 14.00	Discussion
14.00 - 15.00	Lunch
15.00-17.30	Workshop Neurometabolic diseases (Hereditary metabolic diseases accompanied with affection of nervous system) 3 <i>Mediators: Tsigankova P.G. (Moscow), Bulatnikova M.A. (St. Petersburg), Schugareva L.M. (St. Petersburg)</i>
15.00 - 15.30	Mucopolysaccharidoses. Diagnosis and Treatment <i>Larionova V.I. (St. Petersburg)</i>
15.30 - 16.00	Pompe Disease, Diagnostic Approaches and Treatment Prospects <i>Rudenko D.I. (St. Petersburg)</i>
16.00 - 16.30	Current Classification of Mitochondrial Diseases. Nuclear Genes in Development of Diseases of Mitochondrial Electron Transport Chain <i>Tsigankova P.G., Itkis Y.S., Zakharova E.Y., Dadali E.L., Nikolaeva E.A., Mikhaylova C.V. (Moscow)</i>
16.30 - 17.00	Laboratory Diagnosis of Mitochondrial Diseases Causes by Mutations of mt-DNA <i>Itkis Y.S., Tsigankova P.G., Zakharova E.Y. (Moscow)</i>
17.00 - 17.30	Analysis of Clinical Cases of Mitochondrial Diseases
CLOSING CEREMONY	