

Russian Congress with International Participation

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

Saint-Petersburg, Russian Federation, June 6 - 10, 2010

Programme

June 7

Congress Hall	
	Opening Ceremony
9.30 - 11.10	Memorial Session Dedicated to the Memory of Prof. Eugeniy I. Shvarts, a Founder of Molecular Medicine in Russia
11.10 - 11.30	Coffee-break
	Plenary Session 1
11.30 - 14.00	Chairpersons: Novikov P.V., Govorun V.M., Arndt Rolfs, Maj A.Hulten
11.30 - 12.00	Molecular Medicine as New Field of Diagnosis, Treatment and Prevention of Hereditary and Non-hereditary diseases. Novikov P.V. (Moscow)
12.00 - 12.30	Proteogenomic Technologies as New Methodology of Molecular Medicine. Govorun V.M. (Moscow)
12.30 - 13.15	The Impact of Whole Genome Testing on Laboratory Services in Europe. Hastins Rosalind (Oxford, UK)
13.15 - 14.00	On the Origin and Diagnostics of Common Chromosome Disorders. Hulten Maj A. (Warwick University, UK)
14.00 - 15.00	Lunch
15.00 - 17.00	Plenary Session 2
15.00 - 15.30	Genetics in Human Reproduction. Kuliev Anver M. (Chicago, USA)
15.30 - 16.00	Epigenetics and Human Reproduction. Lebedev Igor N. (Tomsk)
16.00 - 16.30	Rare Diseases in Russia: Problems and Prospects. Zakharova E.Ju. (Moscow)
16.30 - 17.00	Predictive Medicine: The State-of-the Art and Prospective Developments. Baranov V.S. (St. Petersburg)
17.00 - 17.30	Coffee-break
	Lecture
17.30 - 18.30	Genetics in Stroke. Arndt Rolfs (Germany)
Red Hall D	
15.15 - 19.00	Workshop “Progress in Diagnosis and Treatment of Lysosome diseases”

June 8

Congress Hall	
	Lecture
9.00 - 10.00	Hereditary and Metabolic Diseases, Treatment. Arndt Rolfs (<i>Germany</i>)
10.15 - 12.00	Plenary Session 3
10.15 - 10.45	DNA Diagnostics of Hereditary Diseases: Potentials and Perspectives. Polyakov A.V. (<i>Moscow</i>)
10.45 - 11.15	Human Chimera and Twins in Current Reproductive Cytogenetics Golubovsky Michael.D. (<i>Berkeley, USA</i>)
11.15 - 11.45	Ethical Issues in Molecular Medicine. Izhevskaya V.L. (<i>Moscow</i>)
11.45 - 12.00	Opinion of Medical Professionals and Patients on Some Genetic Technologies. Medical Sociological and Ethical Analysis. Mikirtchian G.L. (<i>St. Petersburg</i>)
12.00 - 12.20	Coffee-break
12.20 - 14.00	Workshop “ Mitochondrial Diseases ”
14.00 - 15.00	Lunch
15.00 - 19.00	Workshop “ Hereditary myopathies ”

Read Hall A	
15.00 - 17.00	Symposium Education and Integration in Medical Genetics and in Molecular Genetics Chairpersons: Novikov P.V., Nazarenko L.P., Coviello D.
15.00 - 15.45	Medical Genetics Education: Organization Models And Examples from Undergraduate Medical Students Level to Continuing Medical Education. Coviello Domenico (<i>Genoa, Italy</i>)
15.45 - 16.30	Medical Genetics Education and Training for Medical Students, Genetic Counseling Students, and Residents. Thurston Virginia C. (<i>Indianapolis, USA</i>)
16.30 - 17.00	Methods for Integrating Medical Genomics into a Medical School Curriculum. Thurston Virginia C. (<i>Indianapolis, USA</i>)
17.15 - 19.00	Symposium Education and Integration in Medical Genetics and in Molecular Genetics (continuation) Chairpersons: Asanov A.Ju., Maslennikov A.B., Petrin A.N.
17.15 - 17.35	Teaching in Medical Genetics in Russian Federation. Asanov A.Ju. (<i>Moscow</i>)
17.35 - 17.50	Teaching in Medical Genetics. Let Us Open New Doors to Success. Mkheidze M.O. (<i>St. Petersburg</i>)
17.50 - 18.05	Experience of teaching in medical genetics in St. Petersburg Pediatric Medical Academy. Imyanitov E. N. (<i>St. Petersburg</i>)
18.05 - 18.20	From classical genetics to molecular genetics. Problems and teaching issues. Korzhanetskaya M.A. (<i>St. Petersburg</i>)
18.20 - 18.35	From medical genetics to molecular medicine. Reality and Prospects of Continuing Medical Education. Kharchenko T.V. (<i>St. Petersburg</i>)
18.35 - 18.50	Value of clinical information in molecular genetic Diagnosis. Maslennikov A.B. (<i>Novosibirsk</i>)
18.00 - 19.00	Trial of generation of electronic tex book on molecular and translational medicine. Malinivskaya N.A. (<i>Krasnoyarsk</i>)

Red Hall B	
15.00 - 17.00	Symposium Molecular Oncohematology Chairpersons: Afanasyev B.V., Wagemaker Gerard
15.00 - 15.15	Allogeneic hematopoietic stem cell transplantation in treatment of inherited diseases. Afanasyev B.V. (St. Petersburg)
15.15 - 15.45	Genetic modification of hematopoietic stem cells for advanced cell therapy of inherited disorders. Gerard Wagemaker (Rotterdam, Netherlands)
15.45 - 16.00	MLL rearrangement in acute leukemias of children. Tsaur G.A. (Ekaterinburg)
16.00 - 16.15	Mutations of FLT3 and NPM1 genes in patients with AML, MDS and MDS/MPN. Martynkevich I.S. (St. Petersburg)
16.15 - 16.30	Prevention of false-positive results for detection of MRD after allogeneic HSCT. Zagrivnaya M. V. (St. Petersburg)
16.30 - 16.40	HLA gene polymorphism in Russian populations. Aljansky A. (St. Petersburg)
16.40 - 16.50	Cytogenetic and Molecular Genetics Diagnostics of Hemoblastosis in Saratov Region Dzhumagazieva D.S. (Saratov)
16.50 - 17.00	FISH technologies in oncology. Loginova Ju.A. (St. Petersburg)
17.15 - 19.00	Symposium Innovative Technologies Roche in Genomics and Molecular Medicine

Red Hall C	
15.00 - 17.00	Workshop " Rare disease in orthopedy " Symposium Issues of Metrology, Certification, and Standardization in Molecular Diagnosis
17.15 - 19.00	Chairpersons: Emanuel V.L., Hastings Rosalind
17.15 - 17.45	Organization and Quality in the Provision of Medical Genetic Services in Europe. Coviello Domenico (Genoa, Italy)
17.45 - 18.15	Quality Control in Genetic laboratories in Europe. Hastings Rosalind (UK)

Red Hall D	
15.00 - 17.00	Symposium Proteomic Technologies as New Methodology of Molecular Medicine Chairperson: Govorun V.M.
17.15 - 19.00	Symposium Current Approaches to Assessing Mutagenic Effects of Xenobiotics Chairpersons: Vorobtsova I. E., Slozina N.M.
17.15 - 17.30	Human genetic susceptibility to radiation and chemical effects: own and literature data. Telnov V.I. (Ozersk)
17.30 - 17.45	The role of cytogenetic studies in assessment of late biological effects of ionizing radiation in humans. Vorobtsova I.E. (St. Petersburg)
17.45 - 18.00	Effect of polymorphism of XRCC1 and XRCC3 genes on chromosome aberration level in uranium mining labors. Vasilyeva Z. Zh. (St. Petersburg; Alma-Ata, Kazakhstan; Galveston, USA)
18.00 - 18.15	Frequency of mutations in Tp53 gene and characteristics of the cell cycle under chronic radiation exposure in humans. Ploshchanskaya O.G. (Chelyabinsk)
18.15 - 18.30	Cytogenetic effects of ionizing radiation. Timoshevsky V.A. (Tomsk)
18.30 - 18.40	Indirect adaptive response in mixed culture of different sex donors' lymphocytes. Kolesnikova I.S. (St. Petersburg)
18.40 - 18.50	DNA comet analysis in assessment of damage effects of exogenous toxicants in individual cells. Vaschenko A.A. (Volgograd)
18.50 - 19.00	Genome instability in microdeletion syndrome. Savina N.V. (Minsk, Belorussia)

Room 5	
10.15 - 14.00	Round Table for patients/parents organizations
14.00 - 15.00	Lunch
15.00 - 17.00	Symposium Molecular Genetic Basis of Lipid Metabolism Disorders
17.15 - 19.00	Symposium Molecular genetic basis of sports medicine Chairpersons: Didur M.D., Matveev S.V., Ahmetov I.I.
17.15 - 17.30	Molecular genetic diagnostics of predisposition to sports. Ahmetov I.I. (Kazan)
17.30 - 17.45	Estimation of specialization and individualization of training process of elite athletes based on genetic programmes. Egorov V.M. (St. Petersburg)
17.45 - 18.00	Genetic testing in sports – strategic direction of sports medicine. Lidov P.I. (Moscow)
18.00 - 18.10	Role of hereditary factors involved in the pathological stress-induced transformation of the "Athletes heart". Linde E.V. (Moscow)
18.10 - 18.20	The dependence of cardiorespiratory system reactions on exercise hypoxia of gene polymorphisms. Drozdovskaya S.B. (Ukraine, Kiev)
18.20 - 18.30	Is there effect of the ACTN3 R577X polymorphism on high athletic achievements? Pushkarev V.P. (Chelyabinsk)
18.30 - 18.40	Polymorphisms of myogenic factor 6 and alpha-actinin-3 genes and their association with physical activity and human skeletal muscle structure. Druzhevskaya A.M. (St. Petersburg)
18.40 - 18.50	Polymorphism of genes associated with metabolism impairment and nutrition of athletes. Topanova A.A. (St. Petersburg)
18.50 - 19.00	Association of A/G polymorphism of muscle creatinkinase gene with physical performance of athletes. Fedotovskaya O.N. (St. Petersburg)

Room 6	
15.00 - 17.00	Symposium Pharmacogenetics
17.15 - 19.00	Symposium Clinical, Biochemical, and Molecular Aspects of Skeleton Mineralization in Healthy and Affected child

June 9

Congress Hall	
9.00 - 11.00	Workshop “Diagnostics and treatment of inherited and acquired cardiomyopathies”
11.00 - 11.30	Coffee-break
11.30 - 14.00	Workshop “Organic acidemias, diagnosis, treatment, biotinidase deficiency, principles of clinical nutrition”
14.00 - 15.00	Lunch
15.00 - 17.30	Workshop “Aminoacidopathies. Current approaches to diagnostics and treatment. Principles of clinical nutrition”

Red Hall A	
9.00 - 11.00	Symposium Oncogenetics Chairpersons: Imyanitov E.N., Dubina M.V.
9.00 - 9.15	Diagnostic significance of connexin-26 mutations in gastric cancer. Mozgovoy E.D. (St. Petersburg)
9.15 - 9.30	Detection of bladder cancer using UroVision (FISH) assay in voided urine sample. Vasilyeva Z. Zh. (St. Petersburg)
9.30 - 9.45	High efficacy of gefitinib in EGFR mutation-positive non-small cell lung cancer. Moiseyenko F.V. (St. Petersburg)
9.45 - 10.00	Role of p73 protein in apoptosis, carcinogenesis and drug resistance. Vinogradskaya G.R. (St. Petersburg)
10.00 - 10.15	Genetic analysis of multiple tumors of gastrointestinal tract. Vostrukhina O. A. (St. Petersburg)
10.15 - 10.30	Innovative medical technologies in laboratory diagnostics of cancer. Totskaya Ye.G. (Novosibirsk)
10.30 - 10.45	Molecular markers for the therapy of stomach cancer. Volkov N.M. (St. Petersburg)
10.45 - 11.00	Hereditary cancer syndromes. Imyanitov E.N. (St. Petersburg)
11.00 - 11.20	Coffee-break
11.20 - 14.00	Symposium Molecular Neurology Chairpersons: Guzeva V.I., Gorbunova V.N., Chukhlovina M.L.
11.20 - 14.00	Genetics of epilepsy. Guzeva V.I. (St. Petersburg)
11.20 - 14.00	Brain tumors in structure of hereditary neurological diseases. Gobunova V.N. (St. Petersburg)
11.20 - 14.00	Genetics aspects of the stroke. Chukhlovina M.L. (St. Petersburg)
11.20 - 14.00	Clinical molecular correlations and prenatal diagnosis of Duchenne-Bekker myodystrophy. Ledascheva T.A. (St. Petersburg)
11.20 - 14.00	Molecular genetic profile and clinical polymorphism of mitochondrial myopathies. Saikova L.A. (St. Petersburg)
11.20 - 14.00	Prenatal diagnosis of hereditary neurological diseases (Duchenne-Bekker myodystrophy, myotonic dystrophy, phenylketonuria). Ivaschenko T.E. (St. Petersburg)
11.20 - 14.00	Hereditary forms of Parkinson disease. Pchelina S.N. (St. Petersburg)
11.20 - 14.00	Molecular diagnosis of myodystrophy Landuzi-Dejerine. Rudenko D.I. (St. Petersburg)
11.20 - 14.00	Diagnosis and treatment of spinal muscle atrophy. Vakharlovsky V.G. (St. Petersburg)
11.20 - 14.00	Genotherapy of muscle dystrophias. Baranov A.N. (St. Petersburg)
14.00 - 15.00	Lunch
15.00 - 17.30	Symposium Molecular Endocrinology
9.00 - 11.00	Symposium Molecular Basis of Trombosis
11.00 - 11.30	Coffee-break
11.30 - 17.30	Symposium Molecular Cardiology

Red Hall C	
9.00 - 11.00	Symposium Prenatal Diagnosis Chairpersons: Hulten Maj A., Baranov V.S., Zolotukhina T.V.
9.00 - 9.15	Prenatal diagnosis of chromosomal abnormalities: approaches, methods, and results. Rubtsov Nikolay B. (Novosibirsk)
9.15 - 9.45	Large scale clinical application of QF-PCR for rapid prenatal diagnosis of common chromosome aneuploidies. Cirigliano Vincenzo (Barcelona, Spain)
9.45 - 10.15	BACS-on-BEADS™, a new technology for rapid detection of fetal microdeletions and aneuploidies. Ruosaari Salla (Perkin Elmer)
10.15 - 11.00	New Developments in Prenatal Diagnosis. Nilsson Mats (Uppsala, Sweden)
11.00 - 11.30	Coffee-break
9.00 - 12.00	Symposium Reproductive Genetics Chairpersons: Lebedev I.N., Zukin V. D.
11.20 - 11.50	Reproductive genetics and Dr. Jekyll-Mr. Hyde oddities. Golubovsky Michael D. (Berkeley, USA)
11.50 - 12.20	Array CGH in reproductive medicine - new horizons. Zukin Valeriy D. (Kiev, Ukraine)
12.20 - 12.40	Using array-CGH in PGD for carriers of balanced translocation. Kremensky Maxim O. (Kiev, Ukraine)
12.40 - 13.00	The genetics of gonadal mosaicism. Kovaleva Natalia V. (St. Petersburg)
13.00 - 13.15	Genetic factors in various reproductive disorders. Fetisova I.N. (Ivanovo)
13.15 - 13.30	Screening of CFTR gene mutations in infertile men. Markova Ekaterina V. (Krasnoyarsk)
13.30 - 13.45	Angiogenesis and habitual miscarriages. Sadekova Olga N. (Moscow)
13.45 - 14.00	Discussion
14.00 - 15.00	Lunch
15.00 - 17.30	Symposium Clinical Epigenetics and Non-Mendelian Inheritance Chairperson: Lebedev I.N.
15.15 - 15.30	Diseases of expansion of trinucleotide repeats in the Sakha (Yakutia) Republic. Nazarenko L.P. (Tomsk)
15.30 - 15.45	Abnormal changes of genomic DNA methylation in chronic B-cell lymphatic leukemia: hybridization analysis on DNA arrays and functional significance. Moskalev E.A. (Moscow, Voronezh; Heidelberg, Germany)
15.45 - 16.00	Epigenetic tumor markers in the circulating DNA: their distribution in blood and use in oncodiagnostics. Rykova E.Yu. (Novosibirsk)
16.00 - 16.15	Epigenetic status of embryo genome with chromosomal mosaicism. Tolmacheva E.N. (Tomsk)
16.15 - 16.30	Genetic and epigenetic features of B2VNTR minisatellite in BDKRB2 gene in normal and cardiovascular system diseases. Pitsik E.V. (St. Petersburg; Berlin-Buch, Germany)
16.30 - 16.45	Epigenetic markers in ataxia telangiectasia and Kuranova M.L. (St. Petersburg)
16.45 - 17.00	Regular association between epigenetic diseases and DNA methylation disturbance resulted from deficiency of folate cycle enzymes prognosis of the disease manifestation. Grechanina E.Ya. (Kharkov, Ukraine)
17.00 - 17.15	Combination of P53 gene mutations and methylation of MGMT in children glial tumors. Kholodov B.V. (Moscow)
17.15 - 17.30	Discussion

Red Hall D	
9.00 - 11.00	Symposium Modern Laboratory Technologies
11.00 - 11.20	Coffee-break
11.20 - 14.00	Symposium Modern Methods of Neonatal Screening Chairpersons: Mönch E., Vokhmianina N.V., Romanenko O.P.
11.20 - 12.00	Neonatal screening in Germany: premises and results. Mönch E. (<i>Berlin, Germany</i>)
12.00 - 12.20	Optimization of neonatal screening in St. Petersburg. Vokhmianina N.V. (<i>St. Petersburg</i>)
12.20 - 12.40	Fluorescent immunobiochips as next-generation technology in neonatal screening. Osin N.S. (<i>Immunoscreen, Moscow</i>)
12.40 - 13.00	Mass spectrometry in clinical trials – possibility and reality. Podvalny E. (<i>Moscow</i>)
13.00 - 13.20	Now potentials of old method. Grechanina E.Y. (<i>Kharkov, Ukraine</i>)
13.20 - 14.00	Discussion
14.00 - 15.00	Lunch
15.00 - 17.30	Symposium Molecular Allergology and Pulmonology

Room 5	
9.00 - 11.00	Symposium Hereditary Disease in Pulmonology, Cystic Fibrosis
11.00 - 11.20	Coffee-break
11.20 - 14.00	Symposium Cell Technologies
14.00 - 15.00	Lunch
15.00 - 17.30	Symposium Molecular Basis of Hereditary Connective Tissue Disorder

Room 6	
9.00 - 11.00	Round Table DNA Technologies in Forensic Practice Chairperson: Khalchitsky S.E.
11.00 - 11.20	Coffee-break
11.20 - 14.00	Round Table DNA Technologies in Forensic Practice (continuation)
14.00 - 15.00	Lunch
15.00 - 17.30	Symposium Statistics and Information Technologies in Medical Research. Problems of Terminology Chairpersons: Khromov-Borisov N.N., Razorenova T.S., Shavlovsky M.M.
15.00 - 15.30	Syndrom of Statistical Leniency or the Meaning and Value of the P-value. Khromov-Borisov (<i>Saint-Petersburg</i>)
15.30 - 15.45	Multivariate Statistical Analysis of Cytogenetic Profile in Two Ethnic Groups. Brazhnikova E.A. (<i>Kemerovo</i>)
15.45 - 16.00	Upgrade of the Component Analysis for the Purposes of Graphic Presentation of Intercomponent Relationships in Complex Biomedical Systems. Vorobiev N.I. (<i>Saint-Petersburg</i>)
16.00 - 16.15	Application of Cluster Analysis Methods to the Diagnosis of Mitochondrial Diseases. Grechanina E.J. (<i>Kharkov, Ukraine</i>)
16.15 - 16.30	Potentials of Information Technologies in Functional Rehabilitation of Oncologic Patients. Shikhlyarova A.I. (<i>Rostov-on-Don</i>)
16.30 - 16.45	New Phenotyping Procedure for Prediction of Efficiency of the Crush Syndrome Treatment by Means of Mathematical Modeling. Filimonova A.A. (<i>Kazan</i>)
16.45 - 17.30	Terminology Issues in Molecular Medicine. Shavlovsky M.M. (<i>Saint-Petersburg</i>)
18.00	Closing Ceremony