Russian Congress with International Participation

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

Saint-Petersburg, Russian Federation, June 7 - 9, 2010

FINAL PROGRAMME

June 7

Congress Hall

9.30 – 11.10 Opening Ceremony
Memorial Session Dedicated to the Memory of Prof. Eugeniy I. Shvarts, a Founder of Molecular Medicine in Russia

11.10 - 11.30 Coffee break

11.30 – 14.00 Plenary Session 1
Chairpersons: Novikov P.V., Govorun V.M., Arndt Rolfs, Maj A.Hulten

11.30 – 12.00 Novikov P.V. (Moskow): Molecular Medicine as New Field of Diagnosis, Treatment, and Prevention of Hereditary and Non-Hereditary diseases
12.00 – 12.30 Govorun V.M. (Moskow): Proteogenomic Technologies as New Methodology of Molecular Medicine
12.30 – 13.15 Hastins Rosalind (Oxford, UK): The Impact of Whole Genome Testing on Laboratory Services in Europe
13.15 – 14.00 Hulten Maj A. (Warwick University, UK): On the Origin and Diagnostics of Common Chromosome Disorders

14.00 – 15.00 Lunch

15.00 - 17.00 Plenary Session 2

15.00 – 15.30 Kuliev Anver M. (Chicago, USA): Genetics in Human Reproduction
15.30 – 16.00 Lebedev Igor N. (Tomsk): Epigenetics and Human Reproduction
16.00 – 16.30 Zakharova E.Ju. (Moskow): Rare Diseases in Russia: Problems and Prospects
16.30 – 17.00 Baranov V.S. (St. Petersburg): Predictive Medicine: The State-of-the Art and Prospective Developments

17.00 – 17.30 Coffee break

17.30 – 18.30 Lecture
Arndt Rolfs (Germany): Genetics in Stroke

Red Hall D

15.15 – 19.00 Workshop “Progress in Diagnosis and Treatment of Lysosome diseases”
June 8

Congress Hall

09.00 - 10.00 Lecture
Arndt Rolfs (Germany): Hereditary and Metabolic Diseases, Their Treatment

10.15 – 12.00 Plenary Session 3

10.15 – 10.45 Polyakov A.V. (Moscow): DNA Diagnosis of Hereditary Diseases: Potentials and Perspectives
10.45 – 11.15 Golubovsky Michael D. (Berkeley, USA): Human Chimera and Twins in Current Reproductive Cytogenetics
11.15 - 11.45 Izhetskaya V.L. (Moscow): Ethical Issues in Molecular Medicine

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 Coviello Domenico (Genoa, Italy): Medical Genetics Education: Organization Models and Examples from Undergraduate Medical Students Level to Continuing Medical Education
15.45 – 16.30 Thurston Virginia C. (Indianapolis, USA): Medical Genetics Education and Training for Medical Students, Genetic Counseling Students, and Residents
16.30 – 17.00 Thurston Virginia C. (Indianapolis, USA): Methods for Integrating Medical Genomics into a Medical School Curriculum

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 Asanov A.Ju. (Moscow): Teaching in Medical Genetics in Russian Federation
17.35 – 17.50 Mkheidze M.O. (St. Petersburg): Teaching in Medical Genetics. Let Us Open New Doors to Success
17.50 – 18.05 Imyanitov E. N. (St. Petersburg): Experience of teaching in medical genetics in St. Petersburg Pediatric Medical Academy
18.05 – 18.20 Korzhanevskaya M.A. (St. Petersburg): From classical genetics to molecular genetics. Problems and teaching issues
18.20 – 18.35 Kharchenko T.V. (St. Petersburg): From medical genetics to molecular medicine. Reality and Prospects of Continuing Medical Education
18.35 – 18.50 Maslennikov A.B. (Novosibirsk): Value of clinical information in molecular genetic diagnosis
18.00 -19.00 Malinovskaya N.A. (Krasnoyarsk): Trial of generation of electronic text book on molecular and translational medicine
June 8

Red Hall B

15.00 – 17.00 Symposium Molecular Oncohematology

*Chairpersons:* Afanasyev B.V., Wagemaker Gerard

15.00 - 15.15 Afanasyev B.V. (St. Petersburg): *Allogenic hematopoietic stem cell transplantation in treatment of inherited diseases*

15.15 – 15.45 Gerard Wagemaker (Rotterdam, Netherlands): *Genetic modification of hematopoietic stem cells for advanced cell therapy of inherited disorders*

15.45 – 16.00 Tsaur G.A. (Ekaterinburg): *MLL rearrangement in acute leukemias in children*

16.00 – 16.15 Martynkevich I.S. (St. Petersburg): *Mutations of FLT3 and NPM1 genes in patients with AML, MDS and MDS/MPN*

16.15 – 16.30 Zagrivnaya M.V. (St. Petersburg): *Prevention of false-positive results for detection of MRD after allogeneic HSCT*

16.30 – 16.40 Aljansky A.L. (St. Petersburg): *HLA gene polymorphism in Russian populations*

16.40 – 16.50 Dzhumagazieva D.S. (Saratov): *Cytogenetic and Molecular Genetic Diagnosis of Hemoblastosis in Saratov Region*

16.50 – 17.00 Loginova Ju.A. (St. Petersburg): *FISH technologies in oncology*

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”

17.15 – 19.00 Symposium Issues of Metrology, Certification, and Standardization in Molecular Diagnosis

*Chairperson:* Emanuel V.L.

17.15 - 17.35 Muravskaja N.P. (St. Petersburg): *Introduction of international principles of standardization in molecular genetics and molecular biology research to Russian public health service*

17.35 - 17.55 Malakhov V. N. (St. Petersburg): *Results of quality assessment of molecular biology researches in Federal system of external quality control*

17.55 - 18.15 Konopelko L.A. (St. Petersburg): *Results of interlaboratory checking in the field of molecular biology research in COMET system*

18.15 - 18.35 Emanuel A.V. (St. Petersburg): *Formation of interdisciplinary interaction of "physicists" and "lyric poets" in the system of quality management in the field of molecular researches*

18.35 - 19.00 Djuk V.A. (St. Petersburg): *Experience of application of information structural resonance method in analysis of DNA-microarrays*
June 8
Red Hall D

15.00 – 17.00 Symposium Proteomic Technologies as New Methodology of Molecular Medicine

Chairperson Govorun V.M.

15.00 - 15.15 Borovskaja A.D. (Moscow): Possibilities and prospects of MALDI mass spectrometry in studies of human infectious disease
15.15 - 15.30 Generozov E.V. (Moscow): MALDI-TOF mass spectrometry as the tool for study of DNA structure
15.30 - 15.45 Iлина E.N. (Moscow): Molecular bacteriology as a new direction of molecular medicine
15.45 - 16.00 Kostin P A. (Moscow): Characteristics of a spectrum of hereditary and somatic mutations in Russian patients with colorectal cancer and precancer diseases of thick gut
16.00 - 16.15 Zaharzhevskaja N.B. (Moscow): Detection of hyper methylation of genes SEPT9, HLTF, ALX4, and CDH1 in tumours of thick gut
16.15 - 16.30 Moshkovskij S.A. (Moscow): Proteome profiles for diagnosis of malignant tumours
16.30 - 16.45 Chogovadze A.G. (Moscow): Analysis of genetic factors of predisposition to cirrhosis of alcoholic and virus etiology
16.45 - 17.00 Pogoda T.V. (Moscow): Study on genes responsible for age-depended retina dystrophy

17.15 – 19.00 Symposium Current Approaches to Assessing Mutagenic Effects of Xenobiotics

Chairpersons: Vorobtsova I. E., Slozina N.M.

17.15 – 17.30 Telnov V.I. (Ozersk): Human genetic susceptibility to radiation and chemical effects: own and literature data
17.30 – 17.45 Vorobtsova I.E. (St. Petersburg): The role of cytogenetic studies in assessment of late biological effects of ionizing radiation in humans
17.45 – 18.00 Vasilyeva Z. Zh. (St. Petersburg; Alma-Ata, Kazakhstan; Galveston, USA): Effect of polymorphism of XRCC1 and XRCC3 genes on the level of chromosome aberrations in uran mining labors
18.00 – 18.15 Ploshchanskaya O.G. (Chelyabinsk): Frequency of mutations in Tp53 gene and characteristics of the cell cycle under chronic radiation exposure in humans
18.15 – 18.30 Timoshevsky V.A. (Tomsk): Cytogenetic effects of ionizing radiation
18.30 – 18.40 Kolesnikova I.S. (St. Petersburg): Indirect adaptive response in mixed culture of opposite sex donors’ lymphocytes
18.40 – 18.50 Vaschenko A.A. (Volgograd): DNA comet analysis in assessment of damage effects of exogenous toxicants in individual cells
18.50 – 19.00 Savina N.V. (Minsk, Belorussia): Genome instability in microdeletion syndrome
June 8

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

Chairpersons: Mandelshtam M.Ju., Lipovetskij B.M., Denisenko A.D.

15.00 - 15.15 Lipovetsky B.M. (St. Petersburg): Types of dislipidemia, their clinical presentation and effect on atherosclerosis development

15.15 - 15.30 Mandelshtam M. Ju. (St. Petersburg): Study on molecular genetics family hyper cholesterinemia in Russia: results and prospects


15.45 - 16.00 Meshkov A.N. (Moscow): Moscow municipal programme of screening of patients with familial hypercholesterinemia: first results

16.00 - 16.15 Miroshnikov V.V., Dyomina E.P. (St. Petersburg): Key proteins of reverse transport of cholesterol and atherosclerosis

16.15 - 16.30 Denisenko A.D. (St. Petersburg): Adipokines at metabolic syndrome

16.30 - 16.45 Konstantinov V.O. (St. Petersburg): Medical social aspects of the care for patients with familial hypercholesterinemia

16.45 - 17.00 Sokolov A.A. (St. Petersburg): Intensive therapy of hereditary hyperlipidemias

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 Ahmetov I.I. (Kazan): Molecular genetic diagnostics of predisposition to sports

17.30 – 17.45 Egorov V.M. (St. Petersburg): Estimation of specialization and individualization of training process of elite athletes based on genetic data

17.45 – 18.00 Lidov P.I. (Moskow): Genetic testing in sports – strategic direction of sports medicine

18.00 – 18.10 Linde E.V. (Moskow): Role of hereditary factors involved in the pathological stress-induced transformation of the "Athlete’s heart"

18.10 – 18.20 Drozdovskaya S.B. (Ukraine, Kiev): The dependence of cardiorespiratory system reactions on exercise hypoxia on genes polymorphism

18.20 – 18.30 Pushkarev V.P. (Chelyabinsk): Is there effect of the ACTN3 R577X polymorphism on high athletic achievements?


18.40 – 18.50 Topanova A.A. (St. Petersburg): Polymorphism of genes associated with metabolism disorder and nutrition of athletes

18.50 – 19.00 Fedotovskaya O.N. (St. Petersburg): Association of A/G polymorphism of muscle creatinkinase gene with physical performance of athletes
June 8

Room 6

15.00 – 17.00 Symposium Pharmacogenetics

Chairpersons: Zvartau E.E., Sychev D.A.

15.00 – 15.15 Sychev D.A. (Moscow): A problem of adoption of pharmacogenetic testing by clinical practice
15.15 – 15.30 Seredenin S.B. (Ufa): Pharmacogenomics of ladasten
15.30 – 15.45 Vavilova T.V. (St. Petersburg): Pharmacogenetics of antitrombic drugs
15.45 – 16.00 Krupitskij E.M. (St. Petersburg): Pharmacogenetic aspects of opiates addiction therapy with naltrecson implant
16.00 – 16.15 Burbello A.T. (St. Petersburg): Pharmacogenetic issues in pharmacotherapy safety
16.15 – 16.30 Mironova Z.A. (St. Petersburg): Pharmacogenetic aspects of severe asthma

Discussion

17.15 - 19.00 Symposium Clinical, Biochemical, and Molecular Aspects of Skeleton Mineralization in Healthy and Sick Child

Chairpersons: Shchepljagina L.A., Kostik M.M.

17.15 - 17.45 Shchepljagina L.A. (Moscow): Endogenous and exogenous factors in skeleton formation in children at first year of life
17.45 - 18.15 Larionova V.I., Moskalenko M.V. (St. Petersburg): Polymorphism of genes associated with skeleton growth and mineralization in healthy children and in children with a chronic pathology
18.15 - 18.30 Kostik M.M (St. Petersburg): Genetic aspects of decrease in mineral bone density in children with juvenile rheumatoid arthritis
18.30 - 18.45 Tyrtova L.V. (St. Petersburg): Clinical and biochemical features of bone mineralization, polymorphism of vitamin D receptor gene, and osteocalcin in children with diabetes

Discussion

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
June 9

Red Hall A

9.00 – 11.00 Symposium Oncogenetics

*Chairpersons:* Imyanitov E.N., Dubina M.V.

- **9.00 – 9.15** Mozgovoy E.D. (St. Petersburg): *Diagnostic significance of connexin-26 mutations in gastric cancer*
- **9.15 – 9.30** Vasilyeva Z. Zh. (St. Petersburg): *Detection of bladder cancer using UroVision (FISH) assay in voided urine sample*
- **9.30 – 9.45** Moiseyenko F.V. (St. Petersburg): *High efficacy of gefitinib in EGFR mutation-positive non-small cell lung cancer*
- **10.00 – 10.15** Vostrukhina O. A. (St. Petersburg): *Genetic analysis of multiple tumors of gastrointestinal tract*
- **10.15 – 10.30** Totskaya Y.G. (Novosibirsk): *Innovative medical technologies in the laboratory diagnostics of cancer*
- **10.30 – 10.45** Volkov N.M. (St. Petersburg): *Molecular markers for the therapy of stomach cancer*
- **10.45 – 11.00** Imyanitov E.N. (St. Petersburg): *Hereditary cancer syndromes*

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 – 11.40** Chukhlovina M.L. (St. Petersburg): *Genetics aspects of the stroke*
- **11.40 – 12.00** Vakharovsky V.G. (St. Petersburg): *Diagnosis and treatment of spinal muscle atrophy*
- **12.00 – 12.20** Saikova L.A. (St. Petersburg): *Molecular genetic profile and clinical polymorphism of mitochondrial myopathies*
- **11.20 – 12.40** Ledascheva T.A. (St. Petersburg): *Clinical molecular correlations and prenatal diagnosis of Duchenne-Bekker myodystrophy*
- **12.40 – 13.00** Pchelina S.N. (St. Petersburg): *Hereditary forms of Parkinson disease*
- **13.00 – 13.20** Kislik G.A. (St. Petersburg): *Synaptic protein deficiency in the brain of transgenic Drosophila melanogaster with hyper expression of human app gene*
- **13.20 – 13.40** Guzeva V.I. (St. Petersburg): *Genetics of epilepsy*
- **13.40 – 14.00** Pischik E.G. (St. Petersburg): *Acute intermittent porphyria with neurologic manifestation: clinical and molecular genetic examination*

14.00 – 15.00 Lunch

15.00 – 17.30 Symposium Molecular Endocrinology

*Chairpersons:* Tjulpakov A.N., Krasilnikova E.I.

- **15.00 – 15.15** Kolodkina A.A. (Moscow): *Anomalies of sexual development in 46XY individuals with normal testosterone secretion: problems of differential diagnosis*
- **15.15 – 15.30** Zubkova N.A. (Moscow): *Clinical and molecular genetic characteristic of MODY type diabetes in Russian population*
- **15.30 – 15.45** Melikjan M.A. (Moscow; Odens, Denmark): *Clinical polymorphism and genetic variants of congenital hyperinsulinism*
- **15.45 – 16.00** Tjulpakov A.N. (Moscow): *New potential partners and new functions of nuclear receptor DAX1, a key regulator of development of adrenal glands and gonads*
- **16.00 – 16.15** Tjulpakov A.N. (Moscow): *Hereditary forms of growth hormone insufficiency: a value of molecular analysis for diagnosis and treatment*
- **16.15 – 16.30** Volkov I.E. (Moscow): *Anticytokin therapy of diabetes type 1 in children*
16.45 - 17.00 Babenko A.J. (St. Petersburg): Effect of genetic polymorphisms on clinical course and cardiovascular complications caused by thyrotoxicosis
17.00 - 17.15 Bystrova A.A. (St. Petersburg): Genetic aspects of atherogenic dislipidemia in patients with diabetes type 2
17.15 - 17.30 Sinitsyn P.A. (Moscow): Biochemical and molecular genetic basis of metabolic syndroms development in teenagers

June 9

Red Hall B

9.00 – 11.00 Symposium Molecular Basis of Trombosis

Chairpersons: Vavilova T.V., Papajan L.P.

9.00 – 9.30 Papajan L.P. (St. Petersburg): History of exploration and modern approaches to hereditary trombophilias diagnosis
9.30 – 10.00 Vavilova T.V. (St. Petersburg): Genetic counseling of patients with thromboses: practical aspects, benefits, and hazards
10.00 – 10.15 Sirotkina O. V. (St. Petersburg): Molecular genetic basis of arterial thromboses development
10.15 – 10.30 Kapustin S.I. (St. Petersburg): Genetic polymorphisms of haemostasis systems and heterogeneity of clinical manifestation of venous thromboembolism
10.30 – 10.45 Vorobyeva N.A. (Arkhangelsk): Epidemiology of thrombosis of deep veins in bottom hollow vein system in Arkhangelsk
10.45. – 11.00 Glotov A.S. (St. Petersburg): Joint research on development of new methods of diagnosis and prevention of obstetric complications in pregnant women with hereditary thrombophilia in Russia and Ukraine

11.00 – 11.30 Coffee-break

11.30 – 17.30 Symposium Molecular Cardiology

Chairpersons: Berkovich O. A, Baranova E.I., Shalygin L.D.

11.30 - 11.55 Berkovich O.A. (St. Petersburg): Genetic aspects of ischemic cardiac disease
11.55 - 12.20 Baranova E.I. (St. Petersburg): Is arterial hypertensia genetically caused disease?
12.20 - 12.45 Shtnikova M.Ju. (St. Petersburg): Gene-gene interactions and their role in prediction of clinical manifestation of chronic cardiac failure
12.45 - 13.00 Parmon E.V. (St. Petersburg): Problem of sudden coronary death in modern cardiology
13.00 - 13.20 Kostareva A.A. (St. Petersburg): Molecular genetic mechanisms of primary cardiomyopathias development
13.20 - 13.40 Bogdanova M. A (St. Petersburg): Heterogeneity of genetic predisposition to IDC and potentials of mathematical modelling of disease dynamics on the basis of SNP candidate genes analysis
13.40 - 14.00 Vojtovich A.N. (St. Petersburg): Difference between the sexes in distribution of genetic polymorphisms in patients with various presentation of metabolic syndrome

14.00 – 15.00 Lunch

15.00 - 17.30 Symposium Molecular cardiology (continuation)

Chairpersons: Konradi A.O., Matveev S.A., Pinelis V.G.

15.00 – 15.20 Pinelis V.G. (Moscow): Molecular genetic mechanisms of hereditary cardiomyopathia
15.20 - 15.50  Fomicheva E.V. (USA): Search for new pharmaceutical agents ensuring the mechanism of heart ischemic pre-conditioning

15.50 – 16.10  Pchelina S.N. (St. Petersburg): Activity of paroxinasa 1 (PON1) and allele variants of gene PON1 as a risk factor of cardiovascular pathology development

16.10 - 16.25  Goncharov L.N. (Saransk): Polymorphism of renin-angiotensin system genes and of haemostasis system genes in patients with arterial hypertension in Republic Mordovia

16.25 - 16.40  Havinson V.H. (St. Petersburg): Analysis of correlations between genetic markers, associated with ischemic cardiac disease, indicators of lipid metabolism, and arterial pressure

16.40 - 16.55  Andreenko E.J. (Moscow): Combined effects of genetic and traditional risk factors on development of ischemic cardiac disease

16.55 - 17.10  Kuzmina S.V. (St. Petersburg): Remodeling of heart left ventricle myocardium depending on clinical genetic factors in children with arterial hypertension

Discussion

June 9

Red Hall C

9.00 – 11.00  Symposium Prenatal Diagnosis

Chairpersons: Hulten Maj A., Baranov V.S., Zolotukhina T.V.

9.00 – 9.15  Rubtsov Nikolay B. (Novosibirsk): Prenatal diagnosis of chromosomal abnormalities: approaches, methods, and results

9.15 – 9.45  Cirigliano Vincenzo (Barcelona, Spain): Large scale clinical application of QF-PCR for rapid prenatal diagnosis of common chromosome aneuploidies

9.45 – 10.15  Ruosaari Salla (Perkin Elmer): BACS-on-BEADS™, a new technology for rapid detection of fetal microdeletions and aneuploidies

10.15 – 11.00  Nilsson Mats (Uppsala, Sweden): New Developments in Prenatal Diagnosis

11.00 – 11.30  Coffee-break

9.00 – 12.00  Symposium Reproductive Genetics

Chairpersons: Lebedev I.N., Zukin V. D.

11.20 – 11.50  Golubovsky Michael D. (Berkeley, USA): Reproductive genetics and Dr. Jekyll - Mr. Hyde oddities

11.50 – 12.20  Zukin Valeriy D. (Kiev, Ukraine): Array CGH in reproductive medicine - new horizons

12.20 – 12.40  Kremenskoy Maxim O. (Kiev, Ukraine): Using array-CGH in PGD for carriers of balanced translocation

12.40 – 13.00  Kovaleva Natalia V. (St. Petersburg): The genetics of gonadal mosaicism

13.00 – 13.15  Fetisova I.N. (Ivanovo): Hereditary factors in various reproductive disorders

13.15 – 13.30  Markova Ekaterina V. (Krasnoyarsk): Screening of CFTR gene mutations in infertile men


Discussion

14.00 – 15.00  Lunch
15.00 – 17.30 Symposium Clinical Epigenetics and Non-Mendelian Inheritance

Chairperson: Lebedev I.N.

15.00 - 15.20 Nazarenko L.P. (Tomsk): Diseases of trinucleotide repeats expansion in Sakha (Yakutia) Republic

15.20 - 15.40 Moskalev E.A. (Moscow, Voronezh; Heidelberg, Germany): Abnormal changes of genomic DNA methylation in chronic B-cell lymphatic leukemia: hybridization analysis on DNA arrays and functional significance

15.40 - 16.00 Rykova E.Yu. (Novosibirsk): Epigenetic tumor markers in the circulating DNA: their distribution in blood and use in oncodiagnostics

16.00 - 16.15 Tolmacheva E.N. (Tomsk): Epigenetic status of embryo genome with chromosomal mosaicism

16.15 - 16.30 Kholodov B.V. (Moscow): Combination of P53 gene mutations and methylation of MGMT in children glial tumors

16.30 - 16.45 Pitsik E.V. (St. Petersburg; Berlin-Buch, Germany): Genetic and epigenetic features of B2VNTR minisatellite in BDKR82 gene in normal and cardiovascular system diseases

16.45 - 17.00 Grechanina E.Ya. (Kharkov, Ukraine): Regular association between epigenetic diseases and DNA methylation disturbance resulted from deficiency of folate cycle enzymes

17.00 - 17.15 Spivak I.M. (St. Petersburg): Ataxia telangiectasia as a model for research on accelerated aging and increased radiosensitivity

17.15 - 17.30 Kuranova M.L. (St. Petersburg): Epigenetic markers in ataxia telangiectasia and prognosis of the disease manifestation

June 9

Red Hall D

9.00 – 11.00 Symposium Modern Laboratory Technologies. Quality Control

Chairpersons: Gorovenko N.G., Hastings Rosalind

9.00 - 9.15 Pitel E.A. (Moscow): Production of QIAGEN: Modern solutions for molecular medicine

9.15 - 9.30 Kashirina M.C. (Moscow): Ready solutions for molecular medicine

9.30 - 9.45 Gorovenko N.G. (Kiev, Ukraine): Estimation of prevalence of polymorphic variants of genes associated with common diseases in inhabitants of Ukraine

9.45 - 10.00 Gusar V.A. (Kharkov, Ukraine): Prevalence of polymorphisms C677T MTHFR and A66G MTRR genes of folate cycle system in population of East Ukraine

10.00 – 10.30 Coviello Domenico (Genoa, Italy): Organization and Quality in the Provision of Medical Genetic Services in Europe

10.30 – 10.00 Hastings Rosalind (UK): Quality Control in Genetic Laboratories in Europe

11.00 – 11.20 Coffee break

11.20 – 14.00 Symposium Modern Methods of Neonatal Screening

Chairpersons: Mönnch E., Vokhmianina N.V., Romanenko O.P.

11.20 – 12.00 Mönnch E. (Berlin, Germany): Neonatal screening in Germany: premises and results

12.00 – 12.20 Vokhmianina N.V. (St. Petersburg): Optimization of neonatal screening in St. Petersburg

12.20 – 12.40 Osin N.S. (Immunoscreen, Moscow): Fluorescent immunobiochips as next-generation technology in neonatal screening

12.40 – 13.00 Podvalny E. (Moscow): Mass spectrometry in clinical trials: possibility and reality

13.00 – 13.20 Grechanina E.Y. (Kharkov, Ukraine): Now potentials of old method
Discussion

14.00 – 15.00  Lunch

15.00 – 17.30  Symposium Molecular Allergology and Pulmonology

  Chairpersons: Asanov A.J., Larionova V.I., Novik G.A.

15.00 – 15.30  Ivashchenko T.E. (St. Petersburg): Molecular genetic aspects of atopic bronchial asthma

15.30 – 16.00  Lavrova O.V. (St. Petersburg): A propos the role of external and genetic factors in formation of predisposition to bronchial asthma

16.00 – 16.30  Zhdanov M.B (St. Petersburg): Clinical genetic approaches to selection of basic therapy of bronchial asthma

16.30 – 17.00  Ulitina A.S. (St. Petersburg): Effect of genetic factors on manifestation of steroid osteoporosis in patients suffered from idiopathic fibrosic alveolitis

17.00 – 17.30  Sardarjan I.S. (St. Petersburg): Clinical features of bronchial asthma in children with various allele polymorphisms of "predisposition" genes (GSTT1, GSTM1, ACE, eNOS)

June 9

Room 5

9.00 – 11.00  Symposium Hereditary Disease in Pulmonology. Cystic Fibrosis

  Chairpersons: Zhelenina L.A., Orlov A.V.

9.00 - 9.20  Orlov A.V. (St. Petersburg): Prospects of treatment of patients with cystic fibrosis

9.20 - 9.40  Simonov O.I. (Moscow): Prospects of physical methods of treatment of patients with cystic fibrosis (yesterday, today, tomorrow)

9.40 - 10.00  Larionova V.I. (St. Petersburg): Metabolic disorders in patients with cystic fibrosis and possibilities of their correction

10.00 - 10.15  Nazarenko M.S. (Tomsk): First case of diagnosis of rare hereditary disease, congenital central hypoventilating syndrome, in Russia

10.15 - 10.30  Shamanovskaja J.A. (St. Petersburg): Vital scenarios of patients with cystic fibrosis

Discussion

11.00 – 11.20  Coffee break

11.20 – 14.00  Symposium Cell Technologies

  Chairpersons: Filatov M.V., Zajchik A.S., Anisimov S.V.

11.20 - 11.50  Zajchik A.S. (St. Petersburg): Stem cells in endocrinology

11.50 - 12.20  Anisimov S.V. (St. Petersburg): Regenerative therapy at cardiac failure

12.20 - 12.50  Filatov M.V (St. Petersburg): Cellular technologies in therapy of malignant tumours

12.20 - 12.40  Ivanov D.V. (Tula): Cellular technologies and DKMP

12.40 - 13.10  Ivanov D.V. (Tula): Role of endomethrial stem cell in replacement therapy

13.10 - 13.40  Margulis B.A. (St. Petersburg): Hsp70 inside or out of a tumor cell as a guard of a cell/organism

Discussion

14.00 – 15.00  Lunch
15.00 – 17.30 Symposium Molecular Basis of Hereditary Connective Tissue Disorders

Chairpersons: Kadurina T.I., Zemtsovskij E.V.

15.00 – 15.20 Zemtsovskij E.V. (St. Petersburg): The first Russian guide «Hereditary disorders of connective tissue». General principles
15.30 – 16.30 Chulhoivan A.B. (St. Petersburg): Polymorphism of matrix metalloproteinases and its role in conditions connected with remodeling of extracellular matrix
16.30 – 16.45 Moiseyev O.M. (St. Petersburg): Role of matrix proteinases in pathogenesis of aneurysms of ascending section of aorta
16.45 – 17.00 Smolnova T.J. (Moscow): Hereditary connective tissue disorders in obstetrics and gynecology
17.00 – 17.15 Donnikov A.E. (Moscow): Molecular-genetic features of connective tissue disorders in obstetric practice

June 9

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. Issues of Genetic Terminology

Chairpersons: Khrom-Borisov N.N., Razorenova T.S., Shavlovsky M.M.

15.00 – 15.30 Khromov-Borisov N.N. (Saint-Petersburg): Syndrome of Statistical Leniency or the Meaning and Value of the P-value
15.45 – 16.00 Vorobiev N.I. (Saint-Petersburg): Upgrade of the Component Analysis for the Purposes of Graphic Presentation of Intercomponent Relationships in Complex Biomedical Systems
16.00 – 16.15 Grechanina E.J. (Kharkov, Ukraine): Application of Cluster Analysis Methods to the Diagnosis of Mitochondrial Diseases
16.15 – 16.30 Shikhlyarova A.I. (Rostov-on-Don) Potentials of Information Technologies in the Functional Rehabilitation of Oncologic Patients
16.45 – 17.30 Shavlovsky M.M. (Saint-Petersburg): Terminology Issues in Molecular Medicine

18.00 Closing Ceremony