



ТОМСКИЙ НИМЦ
НИИ
МЕДИЦИНСКОЙ
ГЕНЕТИКИ

November 2022
T O M S K
2022

conference.medgenetics.ru



The program of the XIII Scientific Conference "Human Genetics and Pathology"

NOVEMBER 2022
T O M S K
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20 November 2022

10.00 - 11.20 Symposia

Aud. 1

Omics technologies in medical genetics

Chairpersons:

Nazarenko M.S. (Tomsk),
Lagarkova M.A. (Moscow)

10.00-10.20

Nazarenko M.S. (Tomsk)

Omics approach to molecular profiling of atherosclerotic plaque

10.20-10.40

Cherdyntseva N.V. (Tomsk)

Molecular genetic aspects of drug therapy of malignant tumors

10.40-11.00

Trifonova E.A. (Tomsk)

Preeclampsia: genomics and transcriptomics perspectives on disease pathogenesis

11.00-11.20

Seitova G.N. (Tomsk)

Fabry disease: a modern view of the problem

Aud. 2

Genetics and epigenetics of development
(Symposium in memory of V.S. Baranov,
RAS Corresponding Member, and S.A.
Nazarenko, RAS Corresponding Member)

Chairpersons:

Lebedev I.N. (Tomsk),
Glotov A.S. (St.Petersburg)

10.00-10.20

Glotov A.S. (St.Petersburg)

Baranov V.S. Department of Genomic Medicine:
from the past to the future

10.20-10.40

Lebedev I.N. (Tomsk)

Progress in cytogenetics of embryo
development and advances in reproductive
medicine (In memory of Nazarenko S.A.)

10.40-10.55

Pendina A.A., Efimova O.A. (St. Petersburg)

In memory of Baranov V.S. Ode to chromosomes:
from cytogenetics to cytogenomics (online)

10.55-11.05

Pchelina S.N., Gorbunova V.N. (St. Petersburg)

In memory of our friends and colleagues:
Vladislav S. Baranov and Evgeny I. Schwartz
in the foundation of medical genetics
in St. Petersburg

11.05-11.20

Maslennikov A.B. (Novosibirsk)

Contribution of Baranov V.S. and Nazarenko S.A.
to the organization of interaction between
federal centers and regional medical genetic
services

11.20 - 11.30 Coffee break

11.30 - 13.05 Symposia

11.30-11.45

Beliaeva S.A., Goncharova I.A. (Tomsk) Genetic
and epigenetic factors of comorbidity of
ascending aortic aneurysm and coronary artery
atherosclerosis

11.30-11.50

Vasilyev S.A. (Tomsk)

Epigenetics and cytogenetics of the placenta

11.30 - 13.05 Symposia

Aud. 1

11.45-12.00

Yalaev B.I., Khusainova R.I. (Ufa)

Study of genetic and epigenetic factors in the development of primary osteoporosis in men and women of the Volga-Ural region

12.00-12.15

Davydova Yu.D. (Ufa)

Association of DNA methylation and polymorphic loci of hypothalamic-pituitary-adrenal genes with phenotypic variations in the level of depression (online)

12.15-12.35

Freidin M.B. (London, UK)

Genetic and omics studies of pain syndromes (online)

12.35-13.00

Aulchenko Yu.S. (Novosibirsk)

Genetic control of population diversity of N-glycosylation of human proteins (online)

13.00-13.05

Discussion

Aud. 2

11.50-12.05

Demeneva V.V. (Tomsk)

LINE-1 retrotransposon methylation level in the placenta of the first trimester of pregnancy

12.05-12.25

Shevchenko A.I. (Novosibirsk)

Epigenetic regulation of X chromosome inactivation

12.25-12.40

Fonova E.A. (Tomsk)

A modifying effect of X chromosome inactivation on CNVs clinical manifestation

12.40-13.00

Moshkin Yu. M. (Geneva, Switzerland)

IVF problems and destabilization of prenatal development (online)

13.00-13.05

Discussion

13.05 - 14.00 Lunch

14.00 - 14.45 Grand opening of the conference

Chairpersons: Stepanov V.A.,
Puzyrev V.P.

14.45 - 15.30 Plenary lecture. Puzyrev V.P. (Tomsk)

Origins and the Soviet period in the history of the Tomsk Institute of Medical Genetics

15.45 - 17.20 Symposia

Genetics of common diseases

Председатели:

Puzyrev V.P. (Tomsk),
Polonikov A.V. (Kursk)

15.45-16.05

Bragina E.Yu. (Tomsk)

Genetic aspects of the phenomenon of comorbid diseases

Cytogenetics and chromosomal diseases

Председатели:

Vasilyev S.A. (Tomsk),
Rubtsov N.B. (Novosibirsk)

15.45-16.05

Rubtsov N.B. (Novosibirsk)

Peculiarities of the diagnostics of balanced chromosome rearrangements

20.11.2022

Aud. 1

16.05-16.25

Ivanova S.A., Fedorenko O.Yu., Bokhan N.A. (Tomsk)

Genetics and pharmacogenetics of mental disorders

16.25-16.45

Moshkin M.P. (Novosibirsk)

Circadian desynchronization in the polar regions inhabitants and genetic variability (online)

16.45-17.05

Moskalev E.A. (Erlangen, Germany)

The role of non-canonical mitotic inheritance in the development of oncological diseases (online)

17.05-17.20

Voronin S.V. (Moscow)

Current aspects of diagnosis and therapy of hypophosphatasia (with the sponsorship of Astra Zeneca company)

Aud. 2

16.05-16.20

Gridina M.M. (Novosibirsk)

Detection of structural variants in the human genome using 3C-methods

16.20-16.40

Kashevarova A.A. (Tomsk)

Pleiotropic effects of CNV in human ontogenesis

16.40-16.50

Nikonov A.M. (Barnaul)

Mucopolysaccharidosis type II: Diagnosis and treatment

16.50-17.05

Belyaeva E.O., Fonova E.A. (Tomsk)

Exome sequencing in patients with CNV: problems of clinical significance interpretation of microstructural chromosomal variants

17.05-17.20

Minzhenkova M.E. (Moscow)

Complex genomic rearrangements in the etiology of the "chromosomal phenotype"

17.20 - 17.35 Coffee break

17.35-17.55

Polonikov A.V., Azarova Iu.E. (Kursk)

Genetic determinants of glutathione metabolism disorders in multifactorial pathology: focus on cardiometabolic diseases

17.55-18.15

Solodilova M.A., Medvedeva M.V. (Kursk)

Contribution of gene polymorphisms of vascular endothelial growth factors and their receptors to the development of coronary heart disease (online)

18.15-18.35

Rzhetsky A. (Chicago, USA)

Perspectives on multifactorial diseases through the prism of big clinical data (online)

18.35-18.40

Discussion

17.35-17.50

Chernykh V.B., Oparina N.V. (Moscow)

Gonosomal anomalies and mosaicism: variability in the system of X and Y coordinates

17.50-18.05

Tolmacheva E.N. (Tomsk)

Contribution of X-linked CNVs to intellectual disorders formation

18.05-18.20

Markova Zh.G. (Moscow)

Common polymorphic variants in 17q21.31: pitfalls of chromosomal microarray analysis

18.20-18.35

Yurchenko D.A. (Moscow)

Wolf-Hirschhorn Syndrome: Perspectives on Etiopathogenesis "in the retrospect of time"

18.35-18.40

Discussion

18.45 - 19.30 Evening lecture. Tarabykin V.S. (Nizhny Novgorod)

My Road in Science

20.11.2022

16.00 - 20.10 Round Table with the Heads of Medical Genetic Services

Medical care for patients with hereditary diseases

(Genetics Clinic, Moskovsky Trakt 3)

Chairpersons: Nazarenko L.P. (Tomsk),
Bushueva T.V. (Moscow)

16.00-16.15

Minaycheva L.I. (Tomsk)

Phenylketonuria. Peculiarities in adolescents and in pregnancy management

16.15-16.30

Maslennikov A.B. (Novosibirsk)

Molecular and genetic peculiarities of phenylketonuria in the Siberian Federal District

16.30-16.45

Seitova G.N. (Tomsk)

Use of saptopterin in clinical practice

16.45-17.00

Nazarenko L.P. (Tomsk)

Difficult patient: Niemann-Pick disease A, B (with the sponsorship of Sanofi company)

17.00-17.30

Maksimova Yu.V. (Novosibirsk)

Workshop. Diagnostics of spinal muscular atrophy in an adult patient (with the sponsorship of Johnson & Johnson company) (online)

17.30-17.45

Kondakova O.B. (Moscow)

Hereditary diseases caused by primary disorders of neurotransmitter synthesis

17.45-18.30

Discussion. Preparation of subjects of the Russian Federation for advanced neonatal screening

18.30-20.10

Associated School:

"Organization of medical care for patients with phenylketonuria" (with the sponsorship of Biomarin company)

20.11.2022

Associated School:

"Organization of medical care for patients with phenylketonuria"
(with the sponsorship of Biomarin company)

Meeting with experts: Modern approaches to the pharmacotherapy of phenylketonuria

Chairpersons: Nazarenko L.P., Seitova G.N. (Tomsk), Bushueva T.V. (Moscow)

Seitova G.N., Bushueva T.V.

Opening speech of the chairpersons (5 min)

Shestopalova E.A. (online)

Board Certified in Genetics, Research Centre for Medical Genetics (Moscow)

Data of FKU audit (25 min)

Bushueva T.V.

Ph.D., Leading Researcher, National Medical Center for Children's Health (Moscow)

Pharmacotherapy of PKU - for which category of patients and why it is important (20 min)

Seitova G.N.

Ph.D., Chief Physician of Genetics Clinic of Research Institute of Medical Genetics, Tomsk Scientific Center (Tomsk)

Routing of a patient with PKU. Performing the stress test in the hospital and the possibility of outpatient testing (20 min)

Kuzmicheva I.A.

Head of Genetics Department, Kaluga Regional Hospital (Kaluga)

New strategies in the treatment of PKU. Start of enzyme replacement therapy for PKU in Russia.

Portrait of a patient (25 min)

Discussion



21 November 2022

09.00 - 11.20 Symposia

Aud. 1

Clinical genetics and orphan diseases

Chairpersons:

Nazarenko L.P. (Tomsk),
Zaklyazminskaya E.V. (Moscow)

9.00-9.20

**Zaklyazminskaya E.V., Sadekova M.A.,
Dzemeshevich S.L. (Moscow)**

Open questions in the genetics of hypertrophic cardiomyopathy

9.20-9.40

Pchelina S.N. (St. Petersburg)

The role of lipid metabolism in the development of Parkinson's disease

9.40-10.00

Izhevskaya V.L. (Moscow)

Genomic testing: a cross-talk of medical geneticist and patient

10.00-10.20

Zakharova E.Y. (Moscow)

Modern state and problems of diagnostics of hereditary metabolic disorders (online)

10.20-10.40

Larionova V.I. (St. Petersburg)

Molecular and metabolic basis of drug selection for treatment of hereditary diseases. What should a pediatrician know?

10.40-10.55

Bushueva T.V. (Moscow)

New strategies in the treatment of phenylketonuria (with the sponsorship of Biomarin company)

11.00 - 11.15 Coffee break

11.15-11.35

Maksimova N.R., Sukhomyasova A.L. (Yakutsk)

Genomic studies of genetically isolated Yakut population (online)

11.35-11.55

Zhalsanova I.Zh. (Tomsk)

Spectrum of mutations in ATP7B gene in patients with Wilson's disease in Siberian region

Aud. 2

Evolutionary and population genetics

Chairpersons:

Stepanov V.A. (Tomsk),
Yankovsky N.K. (Moscow)

9.00-9.30

Yankovsky N.K. (Moscow)

Results of the Union State Program "DNA Identification 2017-2021"

9.30-9.50

Kharkov V.N. (Tomsk)

Population genomics of the indigenous population of Southern and Western Siberia

9.50-10.20

Kim Hie Lim (Singapore)

Prehistory human migration between Sundaland and South Asia driven by rapid sea-level rise (online)

10.20-10.40

Lavryashina M.B. (Kemerovo)

Dynamics of the surname pool of Siberian Tatars: four ethnographic groups in three generations

10.40-10.55

Valikhova L.V. (Tomsk)

Structure of the gene pool of Tomsk Tatars according to Y-chromosome markers

11.15-11.30

Kolesnikov N.A. (Tomsk)

Directional selection signals in indigenous populations of Central Asia

11.30-11.45

Golubenko M.V. (Tomsk)

Peculiarities of mtDNA variability in terms of adaptation to environmental conditions and diseases susceptibility

Aud. 1

11.55-12.10

Zaripova A.R. (Ufa)

Spectrum and frequency of pathogenic changes in patients with Osteogenesis Imperfecta from the Republic of Bashkortostan

12.10-12.25

Kadnikova V.A. (Moscow)

Spastic Paraplegia Type 47 in Russian patients

12.25-12.40

Ismagilova O.R (Moscow)

Molecular genetic analysis of the Rubinstein-Taybi syndrome in the Russian Federation

12.40-12.55

Postrigan A.E. (Tomsk)

Molecular genetic diagnosis of long QT syndrome

12.55-13.10

Kazarian R. (Moscow)

Differential diagnosis of cystic fibrosis and Shwachman-Diamond syndrome

13.10-13.15

Discussion

Aud. 2

11.45-12.00

Nazarenko L.P. (Tomsk)

Genetic aspects of Pompe disease with clinical cases review (with the sponsorship of Sanofi company)

12.00-12.15

Serebrova V.N. (Tomsk)

Replicative studies of hereditary thrombophilia and endothelial dysfunction factors in pre-eclampsia development

12.15-12.30

Babovskaya A.A. (Tomsk)

Identification of population characteristics of the decidual cell transcriptome in severe preeclampsia

12.30-12.45

Gavrilenko M.M. (Tomsk)

Landscape of alternative splicing in placental decidual cells in Russians

12.45-13.00

Nazarenko L.P. (Tomsk)

Alagille syndrome. Clinical and genetic diagnosis (with the sponsorship of FarmaMondo company)

13.00-13.10

Krasnobaeva A. (Novosibirsk)

High-quality reagents means a reliable result

13.10-13.15

Discussion

13.15 - 14.00 Lunch

14.00 - 14.45 Plenary lecture. Stepanov V.A. (Tomsk)

Population genomics, medical genetics and evolutionary medicine

15.00 - 17.30 Symposia

Clinical genetics and orphan diseases

Chairpersons:

Seitova G.N. (Tomsk),

Larionova V.I. (St. Petersburg)

15.00-15.20

Polyakov A.V. (Moscow)

Preparation for validation phase of advanced neonatal screening

Prenatal and preimplantation genetic testing

Chairpersons:

Lebedev I.N. (Tomsk),

Svetlakov A.V. (Krasnoyarsk)

15.00-15.20

Vermeesch J. (Leuven, Belgium)

Mapping the genomic landscape to improve prenatal care (online)

21.11.2022

Aud. 1

15.20-15.40

Kondratyeva E.I. (Moscow)

Cystic fibrosis as a model for diagnosis and personalized therapy

15.40-15.55

Kovalskaya V.A. (Moscow)

Genotype verification in cystic fibrosis as an important step in preparation for targeted therapy with Orcambi (online)

15.55-16.10

Pinegina Iu.S. (Novosibirsk)

Compliance to therapy in patients with cystic fibrosis. Experience of the Novosibirsk region

16.10-16.25

Stepanova A.A., Polyakov A.V. (Moscow)

Selective screening of patients with hereditary retinal dystrophies to form a target group for gene therapy

16.25-16.40

Orlov D.S. (Tomsk)

Experience of introducing the tandem mass spectrometry into the practice of selective homocystinuria screening

16.40-16.55

Odinokova O.N. (Tomsk)

Molecular diagnosis of Duchenne muscular dystrophy

16.55-17.10

Zinina E.V. (Moscow)

Study of the spectrum of mutations in the *DMD* gene as a basis for pathogenetic therapy planning in Russian patients with Duchenne/Becker muscular dystrophy

17.10-17.25

Chausova P.A. (Moscow)

Merosin-deficient congenital muscular dystrophy. From diagnosis to treatment perspectives (online)

17.25-17.30

Discussion

Aud. 2

15.20-15.40

Liehr T. (Jena, Germany)

Limits and possibilities of non-invasive prenatal testing (NIPT) (online)

15.40-16.00

Shilova N.V. (Moscow)

Towards cellular NIPT: Detection of trophoblast cells in maternal cervical specimens

16.00-16.15

Zhigalina D.I. (Tomsk)

Digital karyotyping of blastocysts based on RNA sequencing

16.15-16.30

Stepanchuk Ya.K. (Novosibirsk)

Hi-C for pre-implantation genetic testing

16.30-16.45

Skleimova M.M., Solovieva E.V. (Tomsk)

Preimplantation genetic testing for spinocerebellar ataxia type 1

16.45-17.00

Gayner T.A. (Novosibirsk)

Prenatal diagnostics: 10 years of experience (online)

17.00-17.10

Kornikova E. (Moscow)

Illumina technologies: the news and the perspectives

17.10-17.15

Discussion

17.30 - 17.45 Coffee break

17.45 - 18.30 Evening lecture. Kozlov A.P. (St. Petersburg)

New biological theory - carci-no-evo-devo theory, its non-trivial predictions and relations with other biological theories

19.00 Furshet

21.11.2022

22 November 2022

09.00 - 11.35 Symposia

Aud. 1

Modeling of hereditary diseases

Chairpersons:

Nikitina T.V. (Tomsk),
Serov O.L. (Novosibirsk)

9.00-9.20

Serov O.L., Shnaider T.A. (Novosibirsk)

Novel role of CNTN6 in human neurogenesis

9.20-9.40

Tarabykin V.S. (Nizhny Novgorod)

Mouse models of neurological diseases

9.40-10.00

Lagarkova M.A. (Moscow)

Pluripotent stem cells. 15 years of IPSC

10.00-10.15

Zakharova I.S. (Novosibirsk)

Creation of cell models of familial hypercholesterolemia

10.15-10.30

Nazarenko L.P. (Tomsk)

Aromatic L-amino acid decarboxylase deficiency (AADCD) (with the sponsorship of PTC pharma company)

10.30-10.45

Kopatova A.E., Emelyanov A.K. (St. Petersburg)

Development of targeted therapy for Parkinson's disease using 3D modeling

10.45-11.00

Savchenko R.R. (Tomsk)

Influence of differential expression of *ADAMTS1* and *THBS1* genes on radiation-induced response of human somatic cells *in vitro*

11.00-11.15

Vasiliev F.F. (Yakutsk)

Study of VPS33A protein functions in mucopolysaccharidosis-plus syndrome (online)

11.15-11.30

Nuriddinov M.A. (Novosibirsk)

Modeling of the spatial organization of chromatin with chromosomal rearrangements

11.30-11.35

Discussion

Aud. 2

Bioinformatics

Chairpersons:

Skryabin N.A. (Tomsk),
Fishman V.S. (Novosibirsk)

9.00-9.30

Kolchanov N.A. (Novosibirsk)

Bioinformatics and medicine in the context of big genetic data (online)

9.30-9.50

Ryzhkova O.P. (Moscow)

Peculiarities of clinical interpretation of NGS results

9.50-10.10

Fishman V.S. (Novosibirsk)

Interpretation of genomic variants in non-coding DNA sequences using machine learning methods

10.10-10.30

Pomaznoy M.Yu. (Novosibirsk)

Processing of sequencing data of patients with monogenic and oncological diseases using the NGS Wizard

10.30-10.50

Konovalov F.A. (Moscow)

Detection of chromosomal rearrangements by routine exome and genome sequencing (online)

10.50-11.10

Zarubin A.A. (Tomsk)

The dragon may be small, but it's still a dragon. Experience of using DRAGON on NextSeq 2000

11.10-11.30

Khozyainova A.A. (Tomsk)

Multiomic analysis of single cell sequencing data: from theory to practice

11.30-11.35

Discussion

11.35 - 11.45 Coffee break

11.45 - 13.05 Symposia

Aud. 1

Modeling of hereditary diseases

Chairpersons:

Nikitina T.V. (Tomsk),
Serov O.L. (Novosibirsk)

11.45-12.00

Skryabin N.A. (Tomsk)

Modeling of Wilson's disease using cell technologies

12.00-12.15

Goldstein D.V. (Moscow)

Technologies of application of intestinal organoids for diagnostics and selection of cystic fibrosis therapy (online)

12.15-12.30

Demchenko A.G. (Moscow)

Lung organelles and cultures of ciliated epithelial cells as models for the diagnosis and treatment of hereditary lung diseases (online)

12.30-12.45

Skoblov M.Yu. (Moscow)

Genome-wide screening of complex splice alleles

12.45-13.00

Salakhov R.R. (Tomsk)

Functional analysis of variants in non-coding sites of MYBPC3 gene in hypertrophic cardiomyopathy

13.00-13.05

Discussion

13.05 - 14.00 Lunch

14.00 - 17.30 Symposia

Clinical genetics and orphan diseases

Chairpersons:

Skryabin N.A. (Tomsk),
Polyakov A.V. (Moscow)

14.00-14.15

Voronkova A.Yu. (Moscow)

Primary ciliary dyskinesia. (online)

Aud. 2

Cytogenetics and chromosomal diseases

Chairpersons:

Kashevarova A.A. (Tomsk),
Shilova N.V. (Moscow)

11.45-12.00

Fedotov D.A. (Tomsk)

CNV structure in disorders of psychomotor development and miscarriages

12.00-12.15

Drozdov G.V. (Tomsk)

CNV incidence and spectrum in early embryonic death

12.15-12.30

Tonyan Z.N. (St. Petersburg)

Analysis of chromosome segregation in carriers of reciprocal translocations (online)

12.30-12.45

Krivoshchapova Ya.V. (Chelyabinsk)

Influence of chronic radiation exposure on telomeric chromosome segments in human peripheral blood T-cells

12.45-13.00

Vozilova A.V. (Chelyabinsk)

Cytogenetic diagnostics of chronic lymphoproliferative diseases using locus-specific fluorescent probes

13.00-13.05

Discussion

Genetics and epigenetics of multifactorial diseases

Chairpersons:

Kucher A.N. (Tomsk),
Pchelina S.N. (St. Petersburg)

14.00-14.15

Bocharova A.V. (Tomsk)

Intergenic interactions in human disorders with cognitive impairment

22.11.2022

Aud. 1

14.15-14.30

Kotalevskaya Yu.Yu. (Moscow)

Rare syndromal epidermolysis bullosa.
Clinical cases

14.30-14.45

Orlova A.A. (Moscow)

Ultra-rare form of hereditary cardiomyopathy:
the first presentation of a patient from the
Russian Federation

14.45-15.00

Valiakhmetov N.R. (Tomsk)

Variability of sarcomeric proteins genes in
myocardial hypertrophy of various genesis

15.00-15.15

Kuzenkova L.M. (Moscow)

Alpha-mannosidosis - a rare disease, the
frequent symptoms (with the sponsorship of
Chiesi company)

15.15-15.30

Pobedinskaya A.I. (Chelyabinsk)

Clinical case of congenital sucrase-isomaltase
deficiency

15.30 - 15.45 Coffee break

15.45-16.00

Yakovleva A.E. (Yakutsk)

Genotype-Phenotype analysis in patients with
multiple exostose chondrodysplasia in the Yakut
population

16.00-16.15

Mikhalechuk K.A. (Moscow)

Spectrum of minor variants of the SMN locus
(online)

16.15-16.30

Shestak A.G. (Moscow)

Representation of the phenomenon of "allelic
dropout" in sequencing results

16.30-16.40

Bondar V. (Moscow)

Fundamentals and possible applications of the
droplet digital PCR

16.40-16.55

Ogorodova N.Yu. (Moscow)

The variety of skeletal dysplasias, caused by *SLC26A2*
mutations

Aud. 2

14.15-14.30

Nikolaev M.A. (St. Petersburg)

Glucocerebrosidase dysfunction and
alpha-synuclein accumulation in GBA-associated
Parkinson's disease

14.30-14.45

Usenko T.S. (St. Petersburg)

Selective inhibition of LRRK2 kinase activity as an
approach for therapy of Parkinson's disease,
associated with GBA mutations

14.45-14.55

Seitova G.N. (Tomsk)

Therapy for hereditary angioedema

14.55-15.10

Miroshnikova V.V. (St. Petersburg)

Extracellular vesicles of adipose tissue: the search
for new biomarkers of lipid and carbohydrate
metabolism dysfunction in obesity

15.10-15.25

Sirotkina O.V. (St. Petersburg)

MicroRNAs miR-221 and miR-223 in blood plasma
microvesicles – promising biomarkers of
post-thromboembolic syndrome severity

15.45-16.00

Sleptcov A.A. (Tomsk)

T-cell landscape in atherosclerosis

16.00-16.15

Koroleva Iu.A. (Tomsk)

Methylation of regulatory elements of microRNA
genes in unstable atherosclerosis

16.15-16.30

Babushkina N.P. (Tomsk)

Methylation status of the regulatory regions of
the *ATM* and *MLH1* genes depending on their
polymorphisms in age-dependent pathologies

16.30-16.45

Rykova E.Yu. (Novosibirsk)

Genome-wide search for SNPs in microRNA target
sites associated with individual drug sensitivity

Aud. 1

16.55-17.10

Shatokhina O.L. (Moscow)

Secondary findings identified by exome sequencing (online)

17.10-17.25

Zabnenkova V.V. (Moscow)

When the patient is a mystery: combined exome sequencing findings (online)

17.25-17.30

Discussion

Aud. 2

16.45-17.00

Gervas P.A. (Tomsk)

Molecular genetic testing for prescribing targeted therapy for malignant tumors

17.00-17.20

Salumets A. (Tartu, Estonia)

Genomic evaluation of endometrial tissue at assisted reproduction (online)

17.20-17.25

Discussion

17.30-18.00 Closing of the conference