

**МЕЖДУНАРОДНАЯ КОНФЕРЕНЦИЯ  
ХРОМОСОМА 2015  
ПРОГРАММА**



**INTERNATIONAL CONFERENCE  
CHROMOSOME 2015  
PROGRAM**



International conference  
**CHROMOSOME 2015**  
 Novosibirsk  
 August 24 – 28, 2015

## Program Overview

### August 24, Monday

16:00 – 18:00	<b>Conference participants registration</b>
18:00 – 22:00	<b>WELCOME PARTY</b>

### August 25, Tuesday

8:30 – 9:00	<b>Conference participants registration</b>
9:00 – 9:15	<b>CONFERENCE OPENING</b>
9:15 – 10:00	<b>OPENING LECTURE</b>
10:00 – 11:00	<b>SECTION I</b> Organization and functions of chromosomes in mitosis and meiosis
11:00 – 11:20	<b>Coffee break</b>
11:20 – 13:00	<b>SECTION I</b> Organization and functions of chromosomes in mitosis and meiosis
13:00 – 14:00	<b>Lunch</b>
14:00 – 14:45	<b>SECTION I</b> Organization and functions of chromosomes in mitosis and meiosis
14:45 – 16:50	<b>SECTION II</b> Interphase chromosomes
16:50 – 17:10	<b>Coffee break</b>
17:10 – 18:55	<b>SECTION II</b> Interphase chromosomes

### August 26, Wednesday

9:00 – 10:00	<b>SECTION II</b> Interphase chromosomes
10:00 – 10:55	<b>SECTION III</b> Epigenetics and Telomeres
10:55 – 11:15	<b>Coffee break</b>
11:15 – 12:45	<b>SECTION III</b> Epigenetics and Telomeres
12:45 – 12:55	<b>Sponsor's talk</b>

13:00 – 14:00	<b>Lunch</b>
14:00 – 16:00	<b>SECTION III</b> Epigenetics and Telomeres
16:00 – 16:15	<b>Group photographing</b>
16:15 – 17:00	<b>SECTION IV</b> Genome evolution
17:00 – 17:20	<b>Coffee break</b>
17:20 – 19:05	<b>SECTION IV</b> Genome evolution

### August 27, Thursday

9:00 – 11:00	<b>SECTION IV</b> Genome evolution
11:00 – 11:20	<b>Coffee break</b>
11:20 – 12:50	<b>SECTION IV</b> Genome evolution
13:00 – 14:00	<b>Lunch</b>
14:00 – 19:00	<b>CULTURAL PROGRAM</b>

### August 28, Friday

9:00 – 10:15	<b>SECTION IV</b> Genome evolution
10:15 – 11:00	<b>SECTION V</b> Chromosomal disorders
11:00 – 11:20	<b>Coffee break</b>
11:20 – 12:50	<b>SECTION V</b> Chromosomal disorders
12:50 – 13:00	<b>Sponsor's talk</b>
13:00 – 14:00	<b>Lunch</b>
14:00 – 16:00	<b>POSTER SESSION</b>
16:10 – 17:10	<b>ROUND TABLE ON HOW TO PUBLISH IN HIGH IMPACT FACTOR JOURNALS</b>
17:30 – 18:00	<b>CONFERENCE CONCLUDING REMARKS</b>
18:00	<b>FAREWELL PARTY</b>



International conference  
**CHROMOSOME 2015**  
Novosibirsk  
August 24 – 28, 2015

## Program

**August 24, Monday**

**The House of Scientists, Akademgorodok**

16:00 – 18:00	<b>Conference participants registration</b> , Foyer of Small Hall
18:00 – 22:00	<b>WELCOME PARTY</b> , Restaurant of the House of Scientists <b>Reception of conference participants</b>

**August 25, Tuesday**

**Small Hall, The House of Scientists, Akademgorodok**

8:30 – 9:00	<b>Conference participants registration</b> , Foyer of Small Hall
9:00 – 9:15	<b>CONFERENCE OPENING</b> <b>Prof. Mikhail P. Fedoruk</b> <b>Prof. Igor F. Zhumulev</b>
9:15 – 10:00	<b>OPENING LECTURE</b> <b>Prof. William C. Earnshaw</b> <i>University of Edinburgh, Edinburgh, Scotland, UK</i> From cold white hands to the epigenetic landscape of the human kinetochore
<b>Section I</b> Organization and functions of chromosomes in mitosis and meiosis <i>Co-chairmen:</i> <i>Prof. Maurizio Gatti and Prof. William C. Earnshaw</i>	
10:00 – 10:30	<b>Prof. Conly Rieder</b> <i>Department of Biology, Rensselaer Polytechnic Institute, Troy, NY, USA</i> Chromosome mono-orientation: mechanism and ramifications
10:30 – 11:00	<b>Prof. Alexey Khodjakov</b> <i>Wadsworth Center, Albany, NY, USA</i> Erroneous attachments to microtubules are prevented by the adaptive changes in the kinetochore architecture
11:00 – 11:20	<b>Coffee break</b> , Foyer of Small Hall
11:20 – 11:40	<b>Dr. Andreas Houben</b> <i>Leibniz Institute of Plant Genetics and Crop Plant Research (IPK) Gatersleben, Stadt Seeland, Gatersleben, Germany</i> Structure and regulation of holocentric chromosomes
11:40 – 12:10	<b>Dr. Maria P. Somma</b> <i>Sapienza University, Rome, Italy</i> The SF3A2 and PRP31 splicing factors are directly required for chromosome segregation
12:10 – 12:25	<b>Dina B. Loginova</b> <i>Institute of Cytology and Genetics, Novosibirsk, Russia</i> Kinetochore microtubules distribute chromosomes in meicytes in the absence of central spindle Кинетохорные пучки микротрубочек распределяют хромосомы в мейоцитах в отсутствии центрального веретена

12:25 – 12:45	<b>Prof. Lev M. Fedorov</b> <i>Health &amp; Science University, Portland, OR, USA</i> Is SAC insufficiency responsible for recurrent pregnancy loss in human?
12:45 – 13:00	<b>Dr. Leonid V. Omelyanchuk</b> <i>Institute of Molecular and Cellular Biology, Novosibirsk, Russia</i> Microtubule flux in the mitotic spindle of <i>D. melanogaster</i> S2 cells and FRAP curve theory
13:00 – 14:00	<b>Lunch</b> , Restaurant of the House of Scientists
14:00 – 14:15	<b>Dr. Elena I. Mikhailova</b> <i>St. Petersburg Branch of Vavilov Institute of General Genetics, St. Petersburg, Russia</i> Search for meiosis specific proteins in rye <i>Secale cereale</i> L. and in mutants of “Peterhof” genetic collection Поиск мейоз-специфичных белков у ржи <i>Secale cereale</i> L. и мутантов «Петергофской» генетической коллекции
14:15 – 14:45	<b>Prof. Michael L. Goldberg</b> <i>Cornell University, Ithaca, NY, USA</i> The role of phosphatase inhibition by unfair competition in cell cycle progression
<b>Section II</b> Interphase chromosomes <i>Co-chairmen:</i> <i>Prof. Margarete Heck and Dr. Yuri Ya. Shevelyov</i>	
14:45 – 15:05	<b>Prof. Igor F. Zhimulev</b> <i>Institute of Molecular and Cellular Biology, Novosibirsk, Russia</i> <i>Drosophila</i> genome and polytene chromosomes: correlations in organization
15:05 – 15:20	<b>Dr. Tatyana D. Kolesnikova</b> <i>Institute of Molecular and Cellular Biology, Novosibirsk, Russia</i> Chromatin states and replication patterns in polytene chromosomes of <i>Drosophila melanogaster</i>
15:20 – 15:35	<b>Dr. Tatyana Yu. Zykova</b> <i>Institute of Molecular and Cellular Biology, Novosibirsk, Russia</i> P-elements insert in 5' ends of genes located in polytene chromosome interbands in <i>D. melanogaster</i>

15:35– 16:05	<b>Prof. Terry L. Orr-Weaver</b> <i>Massachusetts Institute of Technology, Cambridge, MA, USA</i> Regulation of replication fork progression and origin firing
16:05 – 16:20	<b>Dr. Stepan N. Belyakin</b> <i>Institute of Molecular and Cellular Biology, Novosibirsk, Russia</i> The role of Suppressor of Under-Replication protein in epigenetic control and replication of the repressed regions in <i>Drosophila melanogaster</i> genome
16:20 – 16:35	<b>Dr. Daria V. Kopytova</b> <i>Institute of Gene Biology, Moscow, Russia</i> A Novel function for ORC: participation in mRNA export in <i>Drosophila</i>
16:35 – 16:50	<b>Prof. Svetlana A. Limborska</b> <i>Institute of Molecular Genetics, Moscow, Russia</i> Human sphingomyelinase 1 (SGMS1) gene: the peculiarities of structure and expression Ген сфингомиелинсинтазы 1 человека (SGMS1): особенности структуры и экспрессии
16:50 – 17:10	<b>Coffee break, Foyer of Small Hall</b>
<b>Section II</b> Interphase chromosomes <i>Co-chairmen:</i> <i>Prof. Igor F. Zhimulev and Prof. Terry L. Orr-Weaver</i>	
17:10 – 17:40	<b>Prof. Margarete Heck</b> <i>University of Edinburgh, Edinburgh, Scotland, UK</i> Invadolysin – an odyssey from chromosomes to lipid droplets to serum protease
17:40 – 18:00	<b>Dr. Jekaterina Erenpreisa</b> <i>Latvian Biomedical Research and Study Centre, Riga, Latvia</i> Cooperative organisation and regulation of the chromatin in cell nuclei
18:00 – 18:25	<b>Dr. Yuri Ya. Shevelyov</b> <i>Institute of Molecular Genetics, Moscow, Russia</i> Lamin DmO depletion in <i>Drosophila</i> S2 cells results in chromatin removal from nuclear envelope and in increased chromatin density Разрушение ламина DmO в клетках S2 дрозофилы приводит к удалению хроматина от ядерной оболочки и к увеличению его плотности в ядре

18:25 – 18:40	<p><b>Dr. Elena V. Kiseleva</b>  <i>Institute of Cytology and Genetics, Novosibirsk, Russia</i>  Coordination of nuclear envelope and nuclear pore assembly in interphase  Координация сборки ядерной оболочки и ядерных пор в интерфазе</p>
18:40 – 18:55	<p><b>Prof. Alla V. Krasikova</b>  <i>St. Petersburg State University, St. Petersburg, Russia</i>  A complex approach to study the loci of nuclear domains formation  Комплексный подход к изучению локусов формирования ядерных доменов</p>

**August 26, Wednesday**

**Small Hall, The House of Scientists, Akademgorodok**

<p><b>Section II</b>  Interphase chromosomes  <i>Co-chairmen:</i>  <i>Dr. Stepan N. Belyakin and Dr. Jekaterina Erenpreisa</i></p>	
9:00 – 9:15	<p><b>Dr. Mikhail V. Glazkov</b>  <i>Koltzov Institute of Developmental Biology, Moscow, Russia</i>  Looped chromatin structures and functional unit of <i>D. melanogaster</i> hsp70 gene from 87A7 locus  Петельные структуры хроматина и функциональная единица генов hsp70 локуса 87A7 <i>D. melanogaster</i></p>
9:15 – 9:30	<p><b>Dr. Aleksandr Yu. Konev</b>  <i>B.P. Konstantinov Petersburg Nuclear Physics Institute, St. Petersburg, Russia</i>  The role of <i>Drosophila</i> chromatin assembly and remodeling factor Chd1 in polytene chromosome organization  Исследование роли фактора сборки и ремоделирования хроматина Chd1 в организации политенных хромосом дрозофилы</p>
9:30 – 9:45	<p><b>Veniamin S. Fishman</b>  <i>Institute of Cytology and Genetics, Novosibirsk, Russia</i>  Exploring the three-dimensional organization of nuclear and mitochondrial genomes using 3C methods  Исследование пространственной организации ядерного и митохондриального геномов 3c методами</p>

9:45 – 10:00	<p><b>Dr. Marina Yu. Mazina</b>  <i>Institute of Gene Biology, Moscow, Russia</i>  Early-late genes of ecdysone cascade as models for transcription studies  Ранне-поздние гены экдизонового каскада как модели для транскрипционных исследований</p>
<p><b>Section III</b>  Epigenetics and Telomeres  <i>Co-chairmen:</i>  <i>Prof. Kent Golic and Prof. Giovanni Cenci</i></p>	
10:00 – 10:25	<p><b>Dr. Anton K. Golovnin</b>  <i>Institute of Gene Biology, Moscow, Russia</i>  New insights in mechanisms of Su(Hw) insulator complex formation  Новые данные о механизме формирования Su(Hw)-зависимого инсуляторного комплекса у <i>Drosophila melanogaster</i></p>
10:25 – 10:40	<p><b>Dr. Aleksey N. Krasnov</b>  <i>Institute of Gene Biology, Moscow, Russia</i>  Whole-genome analysis of Su(Hw) binding sites  Полногеномный анализ сайтов связывания белка Su(Hw) в геноме дрозофилы</p>
10:40 – 10:55	<p><b>Dr. Larisa S. Melnikova</b>  <i>Institute of Gene Biology, Moscow, Russia</i>  Nucleoskeletal protein EAST modulates the activities of insulator proteins in <i>Drosophila melanogaster</i>  Белок ядерного матрикса EAST влияет на формирование и функционирование Su(Hw)-зависимого инсуляторного комплекса у <i>Drosophila melanogaster</i></p>
10:55 – 11:15	<p><b>Coffee break, Foyer of Small Hall</b></p>
11:15 – 11:35	<p><b>Dr. Jorgen Johansen</b>  <i>Iowa State University, Ames, IA, USA</i>  Epigenetic regulation of chromatin structure and gene expression by H3S10 phosphorylation</p>
11:35 – 12:00	<p><b>Prof. Vladimir A. Gvozdev</b>  <i>Institute of Molecular Genetics, Moscow, Russia</i>  Non-canonic function of nuclear Piwi protein  Неканонические функции белка Piwi в ядре дрозофилы</p>
12:00 – 12:25	<p><b>Prof. Gunter Reuter</b>  <i>Institute of Genetics / Developmental Genetics, Halle, Germany</i>  Genetic dissection of chromatin regulation in <i>Drosophila</i> germ line cells</p>



12:25 – 12:45	<b>Dr. Alla I. Kalmykova</b> <i>Institute of Molecular Genetics, Moscow, Russia</i> Mechanisms of telomeric repeat silencing in the germline and their role in early development in <i>Drosophila</i>
12:45 – 12:55	<b>Nikolay Egorov</b> <i>Albiogen company</i> Illumina – new horizons in the Next Generation Sequencing (NGS) Illumina – новые достижения в области секвенирования нового поколения (NGS)
13:00 – 14:00	<b>Lunch</b> , Restaurant of the House of Scientists
<b>Section III</b> <b>Epigenetics and Telomeres</b> <i>Co-chairmen:</i> <i>Dr. Alla I. Kalmykova and Prof. Gunter Reuter</i>	
14:00 – 14:30	<b>Dr. Yikang Rong</b> <i>Laboratory of Biochemistry and Molecular Biology, National Cancer Institute, NIH, Bethesda, MD, USA</i> MTV, a telomeric ssDNA-binding complex, protects <i>Drosophila</i> telomeres and recruits retro-transposon to chromosome ends
14:30 – 15:00	<b>Prof. Maurizio Gatti</b> <i>Sapienza University, Rome, Italy</i> Pendolino (Peo): a <i>Drosophila</i> gene required for DNA replication and telomere protection
15:00 – 15:30	<b>Prof. Giovanni Cenci</b> <i>Sapienza University, Rome, Italy</i> A role for Separase in the maintenance of <i>Drosophila</i> telomeres
15:30 – 16:00	<b>Prof. Kent Golie</b> <i>University of Utah, Salt Lake City, UT, USA</i> Mechanisms of cell survival and chromosome healing following telomere loss in <i>Drosophila</i>
16:00 – 16:15	<b>Group photography</b>

<b>Section IV</b> Genome evolution <i>Co-chairmen:</i> <i>Prof. Alla Krasikova and Dr. Denis M. Larkin</i>	
16:15 – 16:30	<b>Prof. Alexander S. Graphodatsky</b> <i>Institute of Molecular and Cellular Biology, Novosibirsk, Russia</i> Well-forgotten part of the genome Хорошо забытые части геномов
16:30 – 16:45	<b>Dr. Aleksandr G. Demin</b> <i>St. Petersburg State University, St. Petersburg, Russia</i> The structure of the domestic chicken rRNA genes cluster Структура кластера генов рРНК домашней курицы
16:45 – 17:00	<b>Dr. Vladimir E. Gokhman</b> <i>Botanical garden of Lomonosov Moscow State University, Moscow, Russia</i> Studying karyotype evolution in parasitoid Hymenoptera: from chromosome numbers to DNA repeats
17:00 – 17:20	<b>Coffee break</b> , Foyer of Small Hall
17:20 – 17:50	<b>Prof. Anna V. Kukekova</b> <i>University of Illinois at Urbana–Champaign, Urbana and Champaign, IL, USA</i> Fox assembly and identification of genomic regions associated with selection for behavior
17:50 – 18:20	<b>Prof. Daniel A. Barbash</b> <i>Cornell University, Ithaca, NY, USA</i> Hybrid incompatibilities and heterochromatin evolution
18:20 – 18:35	<b>Dr. Vladimir A. Trifonov</b> <i>Institute of Molecular and Cellular Biology, Novosibirsk, Russia</i> Evolutionary genomics of sturgeons (Acipenseridae) Эволюционная геномика осетровых (Acipenseridae)
18:35 – 18:50	<b>Dr. Irina V. Kartavtseva</b> <i>Institute of Biology and Soil Science, Vladivostok, Russia</i> Chromosomal rearrangements in statu nascendi of voles “maximowiczii” group (Alexandromys, Rodentia)

18:50 – 19:05	<p><b>Dr. Sergey N. Matveevsky</b>  <i>Vavilov Institute of General Genetics, Moscow, Russia</i>          Analysis of recombination in sex chromosomes and chromatin configuration during meiotic prophase I in mole vole <i>Ellobius</i>          Анализ рекомбинации половых хромосом и конфигурации хроматина в профазе мейоза I у слепушонок <i>Ellobius</i></p>
---------------	--

**August 27, Thursday**

**Small Hall, The House of Scientists, Akademgorodok**

<p><b>Section IV</b>          Genome evolution  <i>Co-chairmen:</i>  <i>Dr. Vladimir A. Trifonov and Prof. Anna V. Kukekova</i></p>	
9:00 – 9:30	<p><b>Dr. Denis M. Larkin</b>  <i>Royal Veterinary College, London, UK</i>          Chromosomal evolution of amniotes: comparing mammals with birds</p>
9:30 – 9:45	<p><b>Dr. Polina L. Perelman</b>  <i>Institute of Molecular and Cellular Biology, Novosibirsk, Russia</i>          Perspectives of animal whole genome sequencing and genome assembly chromosome assignment</p>
9:45 – 10:00	<p><b>Alevtina S. Ruban</b>  <i>Russian State Agrarian University - Timiryazev Moscow Agricultural Academy, Moscow, Russia</i>          Tissue-type specific elimination of B-chromosomes in <i>Aegilops speltoides</i> tausch</p>
10:00 – 10:15	<p><b>Dr. Elena V. Evtushenko</b>  <i>Institute of Molecular and Cellular Biology, Novosibirsk, Russia</i>          The molecular structure and interspecies variation of CENH3 genes in the <i>Secale</i> genus</p>

10:15 – 10:30	<p><b>Dmitrii I. Ostromyshenskii</b>  <i>Institute of Cytology, St. Petersburg, Russia</i>  Mouse chromocenters' DNA content in silico and in situ.  LINE fragment and ERVs are an essential chromocenters' components beside tandem repeats  Состав ДНК хромоцентров мыши in silico и in situ.  Фрагменты LINE и ERV – обязательный компонент ДНК хромоцентров кроме tandemных повторов</p>
10:30 – 10:45	<p><b>Dr. Lyudmila P. Zakharenko</b>  <i>Institute of Cytology and Genetics, Novosibirsk, Russia</i>  Distribution of P factor in natural populations of <i>Drosophila melanogaster</i> does not correlate with prevalence of P transposable element  Распространенность P фактора в природных популяциях <i>Drosophila melanogaster</i> не коррелирует с распространенностью P мобильного элемента</p>
10:45 – 11:00	<p><b>Alexey I. Makunin</b>  <i>Institute of Molecular and Cellular Biology, Novosibirsk, Russia</i>  Sequencing of DNA libraries from sorted B chromosome for research of their origin and evolution  Секвенирование библиотек сортированных B хромосом для исследования их происхождения и эволюции</p>
11:00 – 11:20	<b>Coffee break, Foyer of Small Hall</b>
11:20 – 11:35	<p><b>Prof. Igor V. Sharakhov</b>  <i>Virginia Polytechnic Institute and State University, Blacksburg, VA, USA</i>  <i>Tomsk State University, Tomsk, Russia</i>  Genome mapping revealed scaffold misassemblies and elevated gene shuffling on the X chromosome in malaria mosquitoes  Геномное картирование выявило ошибки в сборке скаффолдов и повышенную перетасовку генов в X хромосоме у малярийных комаров</p>
11:35 – 11:50	<p><b>Dr. Alsu F. Saiftdinova</b>  <i>St. Petersburg State University, St. Petersburg, Russia</i>  Characterization of a novel tandem repeat on the chicken W chromosome  Характеристика нового tandemного повтора в составе W хромосомы домашней курицы</p>

11:50 – 12:05	<b>Prof. Alexey P. Ryskov</b> <i>Institute of Gene Biology, Moscow, Russia</i> Genomics of unisexual vertebrates – parthenogenetic lizard species of the genus <i>Darevskia</i> Геномика однополых позвоночных - партеногенетических видов ящериц рода <i>Darevskia</i>
12:05 – 12:20	<b>Dr. Larisa I. Gunderina</b> <i>Institute of Cytology and Genetics, Novosibirsk, Russia</i> Comparison of chromosomal location of genes encoding ribosomal proteins and rRNA in species of genus <i>Chironomus</i> Сравнение локализации генов, кодирующих рибосомные белки и рРНК, в хромосомах видов рода <i>Chironomus</i>
12:20 – 12:35	<b>Prof. Olga I. Podgornaya</b> <i>Institute of Cytology, St. Petersburg, Russia</i> Extra-cellular DNA for the unsolved evolutionary problems Внеклеточная ДНК поможет пролить свет на нерешенные проблемы теории эволюции
12:35 – 12:50	<b>Dr. Vladimir A. Lukhtanov</b> <i>Zoological Institute, St. Petersburg, Russia</i> Karyotype evolution via interspecific hybridization and chromosome sorting Эволюция кариотипа посредством межвидовой гибридизации и мейотической сегрегации хромосом
13:00 – 14:00	<b>Lunch</b> , Restaurant of the House of Scientists
14:00 – 19:00	<b>CULTURAL PROGRAM</b>

**August 28, Friday**

**Small Hall, The House of Scientists, Akademgorodok**

<b>Section IV</b> Genome evolution <i>Co-chairmen:</i> <i>Dr. Vladimir A. Lukhtanov and Dr. Polina L. Perelman</i>	
9:00 – 9:15	<b>Ilya G. Kichigin</b> <i>Institute of Molecular and Cellular Biology, Novosibirsk, Russia</i> Evolution of sex chromosomes in the <i>Anolis</i> genus Эволюция половых хромосом в роде анолисов ( <i>Anolis</i> )

9:15 – 9:30	<b>Dr. Sergey R. Mursalimov</b> <i>Institute of Cytology and Genetics, Novosibirsk, Russia</i> What kind of chromatin migrates between cells during cytomixis?
9:30 – 9:45	<b>Dr. Svetlana V. Pavlova</b> <i>A.N. Severtsov Institute of Ecology and Evolution, Moscow, Russia</i> Evolutionary aspects of chromosomal hybrid zones in mammals Эволюционные аспекты хромосомных гибридных зон у млекопитающих
9:45 – 10:00	<b>Dr. Ilias E. Jetybaev</b> <i>Institute of Cytology and Genetics, Novosibirsk, Russia</i> Evolution of neo sex chromosomes in <i>Pamphagidae</i> grasshoppers
10:00 – 10:15	<b>Prof. Dmitry Yu. Sherbakov</b> <i>Limnological Institute, Irkutsk, Russia</i> Mitochondrial chromosome rearrangements in Baikalian Amphipods
<b>Section V</b> Chromosomal disorders <i>Co-chairmen:</i> <i>Dr. Thomas Liehr and Dr. Igor N. Lebedev</i>	
10:15 – 10:45	<b>Dr. Thomas Liehr</b> <i>Institute of Human Genetics, Jena, Germany</i> Benign and pathological chromosomal imbalances - microscopic and submicroscopic copy number variations (CNVs) in human genetics
10:45 – 11:00	<b>Dr. Dmitry V. Yudkin</b> <i>Institute of Molecular and Cellular Biology, Novosibirsk, Russia</i> Chromosome fragility and abnormal replication in FMR1 locus in fragile X syndrome patients
11:00 – 11:20	<b>Coffee break, Foyer of Small Hall</b>
11:20 – 11:35	<b>Dr. Galina V. Pavlova</b> <i>Institute of Gene Biology, Moscow, Russia</i> Genomic instability cultured progenitor cells Нестабильность генома прогениторных клеток при культивировании
11:35 – 11:50	<b>Dr. Vladimir N. Babenko</b> <i>Institute of Cytology and Genetics, Novosibirsk, Russia</i> Chromosome 19 enigma pursue: what is currently unraveled

11:50 – 12:05	<b>Dr. Tatyana A. Gayner</b> <i>Center of New Medical Technologies, Institute of Chemical Biology and Fundamental Medicine, Novosibirsk, Russia</i> Study of Human karyotype: Chromosomal abnormalities or rare variant of the norm? Исследование кариотипа человека: хромосомная патология или редкий вариант нормы?
12:05 – 12:20	<b>Dr. Igor N. Lebedev</b> <i>The Research Institute for Medical Genetics, Tomsk, Russia</i> Disorders of genomic architecture: from prediction to interpretation of clinical phenotype Болезни архитектуры генома: от предсказания к интерпретации клинического фенотипа
12:20 – 12:35	<b>Dr. Evgeny V. Denisov</b> <i>Tomsk Cancer Research Institute, Tomsk, Russia</i> <i>Tomsk State University, Tomsk, Russia</i> Clonal evolution in breast cancer: a link with intratumor morphological heterogeneity Клональная эволюция рака молочной железы: связь с внутриопухолевой морфологической гетерогенностью
12:35 – 12:50	<b>Dr. Stanislav A. Vasilyev</b> <i>The Research Institute for Medical Genetics, Tomsk, Russia</i> Effects of spontaneous $\gamma$ H2AX foci on radiation-induced response of human somatic cells Влияние спонтанного уровня фокусов $\gamma$ H2AX на радиационно-индуцированный ответ соматических клеток человека
12:50 – 13:00	<b>Bradley Mabbutt</b> <i>Chimmed company</i> An Introduction to Bio-Techne Brands
13:00 – 14:00	<b>Lunch</b> , Restaurant of the House of Scientists
14:00 – 16:10	<b>POSTER SESSION</b> , Foyer of Small Hall
16:10 – 17:10	<b>ROUND TABLE ON HOW TO PUBLISH IN HIGH IMPACT FACTOR JOURNALS</b> <b>Prof. Conly Rieder</b> <i>Editor-in-Chief of the Chromosome Research journal</i>
17:30 – 18:00	<b>CONFERENCE CONCLUDING REMARKS</b> , Small Hall <b>Prof. Alexander S. Graphodatsky</b> <b>Prof. Igor F. Zhumulev</b>
18:00	<b>FAREWELL PARTY</b> , Restaurant of the House of Scientists