



INTERNATIONAL MINI - CONFERENCE

CHROMOSOMES AND MITOSIS

December 8, 2017
 Conference hall
 Institute of Molecular and Cellular Biology
 Lavrentiev Ave., 8/2
 Novosibirsk, Russia

8:30 – 9:00		Conference participants registration
		Chairman: Gunter Reuter
9:00 – 10:00	Maurizio Gatti <i>Department of Biology and Biotechnology 'C. Darwin', Sapienza, University of Rome, Rome, Italy; Institute of Molecular and Cellular Biology SB RAS, Novosibirsk, Russia</i>	The role of pendolino (peo) in the epigenetic regulation of Drosophila telomeres
10:00 – 10:30	Dmitry Zharkov <i>Institute of Chemical Biology and Fundamental Medicine SB RAS, Novosibirsk, Russia; Novosibirsk State University, Novosibirsk, Russia</i>	DNA damage in uncharted waters of M phase
10:30 – 10:50	Anton Strunov <i>Institute of Cytology and Genetics SB RAS, Novosibirsk, Russia; Institute of Molecular and Cellular Biology SB RAS, Novosibirsk, Russia</i>	Endoplasmic reticulum and mitochondria behavior during Drosophila S2 cell mitosis
10:50 – 11:10		Coffee break
		Chairman: Jop Kind
11:10 – 11:55	Gunter Reuter <i>Developmental Genetics, Institute of Biology, Martin Luther University Halle-Wittenberg, Halle, Germany</i>	The Su(var) gene complement and new chromatin functions in Drosophila
11:55 – 12:15	Stepan Belyakin <i>Institute of Molecular and Cellular Biology SB RAS, Novosibirsk, Russia; Novosibirsk State University, Novosibirsk, Russia</i>	Functional dissection of Drosophila melanogaster SUUR protein influence on H3K27me3 profile
12:15 – 12:35	Evgeniya Andreyeva <i>Institute of Molecular and Cellular Biology SB RAS, Novosibirsk, Russia</i>	Functional characterization of the conservative protein CG17337 in Drosophila melanogaster
12:35 – 12:55	Arcady Putilov <i>Research Group for Math-Modeling of Biomedical Systems, the Research Institute for Molecular Biology and Biophysics, Novosibirsk, Russia</i>	How our clocks are evolving? Latitude-driven polygenic adaptation in favor of evening preference might occur by small allele frequency shifts spread across numerous loci in different circadian genes on different chromosomes
12:55 – 13:55		Lunch (not provided)
		Chairman: Maurizio Gatti
13:55 – 14:40	Jop Kind <i>Hubrecht Institute, Koninklijke Nederlandse Akademie van Wetenschappen (KNAW), Utrecht, The Netherlands</i>	Untangling spatial genome organization: detailed insights from single-cell DamID
14:40 – 15:00	Alexey Pindyurin <i>Institute of Molecular and Cellular Biology SB RAS, Novosibirsk, Russia</i>	Large fraction of heterochromatin in Drosophila neurons is simultaneously bound by B-type lamin and HP1a
15:00 – 15:30	Igor Sharakhov <i>Virginia Polytechnic Institute and State University, Blacksburg, VA, USA</i>	The interplay between chromosome-nuclear envelope attachments and chromosome-chromosome contacts
15:30 – 15:50	Veniamin Fishman <i>Institute of Cytology and Genetics SB RAS, Novosibirsk, Russia; Novosibirsk State University, Novosibirsk, Russia</i>	Evolutionary analysis of 3-dimensional genome architecture
15:50 – 16:05		Coffee break
		Chairman: Igor Sharakhov
16:05 – 16:35	Irina Kolesnikova <i>Institute of Molecular and Cellular Biology SB RAS, Novosibirsk, Russia</i>	Alteration of rRNA expression levels in patients with intellectual disability and enlarged p-arms on acrocentric autosomes
16:35 – 16:55	Stanislav Vasilyev <i>Research Institute of Medical Genetics, Tomsk National Research Medical Center RAS, Tomsk, Russia</i>	DNA methylation in inherited copy number variations with incomplete penetrance
16:55 – 17:15	Renata Savchenko <i>Research Institute of Medical Genetics, Tomsk National Research Medical Center RAS, Tomsk, Russia</i>	The role of the ADAMTS1, THBS1, WHSC1, RBFOX2 genes in the radiation-induced human somatic cellular response to DNA damage
17:15 – 17:35	Nikolay Skryabin <i>Research Institute of Medical Genetics, Tomsk National Research Medical Center RAS, Tomsk, Russia</i>	Identification of loss of heterozygosity in miscarriages from families with recurrent pregnancy loss

Only the presenting authors are indicated; all co-authors of the presentations are listed in the abstract book.