

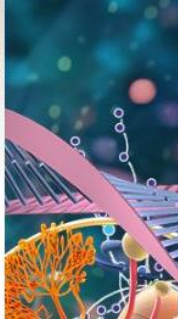


BGRS/SB-2024 БГРС/СБ-2024

14th International Multiconference
Bioinformatics of Genome Regulation and Structure / Systems Biology
14-я Международная мультikonференция
Биоинформатика регуляции и структуры геномов / системная биология

August 5-10, 2024,
Institute of Cytology
and Genetics, SB RAS,
Novosibirsk, Russia

5-10 августа 2024,
ФИЦ "Институт
цитологии
и генетики СО РАН",
Новосибирск, Россия



Dear colleagues!

We're excited to invite you to the 14th International Multiconference on Bioinformatics of Genome Regulation and Structure/Systems Biology (BGRS/SB-2024). This event is organized by the Institute of Cytology and Genetics of the Siberian Branch of the Russian Academy of Sciences (ICG SB RAS) and will take place from **August 5th to 10th**, 2024, in Novosibirsk, Russia. For more information, please visit our website: <https://bgrssb.icgbio.ru/2024/>.

To make it easier for everyone to attend, BGRS/SB-2024 will be a hybrid event, offering **both in-person and virtual participation** options. The conference will be held in English and Russian to accommodate our diverse group of attendees.

Registration is Now Open! To join us, please register through our official website: <https://bgrssb.icgbio.ru/2024/nt/>.

Conference Highlights:

The Multiconference will cover a wide range of topics, including:

- **Symposium 1** “Genomics, Transcriptomics and Bioinformatics”
 1. Section “Structural-functional organization of genomes”
 2. Section “Regulatory genomics”
 3. Section “Regulatory genomics”
 4. Section “Regulatory genomics”
- **Symposium 2** “Structural Biology and Pharmacology: computational and experimental approaches”
 1. Section “Structural biology of proteins, nucleic acids and membranes”
 2. Section “Pharmacology, cheminformatics and chemical biology”
- **Symposium 3** “Systems Computational Biology”
 1. Section “Reconstruction, computational analysis and modeling of gene networks and metabolic pathways”
 2. Section “Computational analysis and modeling of population, ecological and genetics systems and processes”
 3. Section “Mathematical epidemiology”
 4. Section “Modeling and computational analysis of microbiological systems and processes”
- **Symposium 4** “Evolutionary, Population and Medical Genomics/Genetics of human: computational and experimental approaches”
 1. Section “Human origin and evolution”
 2. Section “Human population genomics/genetics”
 3. Section “Human medical genomics/genetics”
 4. Section “Genome-wide association studies”
- **Symposium 5** “Evolutionary Genomics/Genetics and Molecular Phylogeny: computational and experimental approaches”
 1. Section “Population and evolutionary genetics/genomics of wild and domestic animals”
 2. Section “Evolution of 3-D structure of genomes”
 3. Section “Molecular phylogenetics and phylogenomics of Plants, Fungi, Protists, Prokaryotes and Viruses”
 4. Section “Computer analysis and modeling of molecular evolution processes”
- **Symposium 6** “Genetics, Bioinformatics and Systems Biology of plants”
 1. Section “Genomics, genetics and systems biology of plants”
 2. Section “Developmental biology of plants: computational and experimental approaches”
 3. Section “Analysis of plant images for solving phenotyping problems”

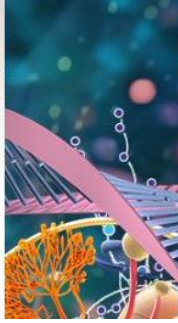


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- **Symposium 7** “Genetics/Genomics, Bioinformatics and Systems Biology of animals”
 1. Section “Genomics, genetics and systems biology of animals”
 2. Section “Animal genetic models of human pathologies on vertebrates and invertebrates”
 3. Section “Neurogenomics and genetics of behavior”
- **Symposium 8** “Microbiology & Biotechnologies: computational and experimental approaches”
 1. Section “Biotechnology through the lens of the microbiome”
 2. Section “Microbial communities of natural and anthropogenic habitats”
 3. Section “Industrial biotechnology: creation of producer strains”
- **Symposium 9** “Biomedicine, Bioinformatics and Systems Computational Biology”
 1. Section “Gene expression and human diseases”
 2. Section “Molecular Pathology, Diagnostics, and Therapeutics”
 3. Section “Regenerative medicine and material science”
 4. Section “Innovative pharmacology”
 5. Section “Neuroscience”
- **Symposium 10** “Cognitive science, Neurogenetics, Neuroinformatics and Systems Computer Biology”
 1. Section “General problems in the study of cognitive processes; models of cognitive activity”
 2. Section “Study of brain functions related to cognitive activity; consciousness, attention, memory, emotions, motor control; the relationship between neurophysiological, behavioral and molecular genetic processes of cognitive activity”
 3. Section “Neuroimaging and genotyping technologies for the diagnosis of neuropsychiatric disorders; methods of disease correction based on feedback technology; brain-computer interface technologies”
 4. Section “Data analysis methods in cognitive research, including artificial intelligence technologies”
- **Symposium 11** “Fundamental Genetic/Cellular Systems/Processes: experimental and computational approaches”
 1. Section “DNA replication and repair”
 2. Section “Transcription, splicing, translation”
 3. Section “Apoptosis”
- **Symposium 12** “Mathematical problems of bioinformatics and systems computer biology. Big Genetic Data Analysis and Artificial Intelligence”
 1. Section “Systems theory”
 2. Section “Mathematical and simulation modeling, digital twins”
 3. Section “Mathematical immunology”
 4. Section “Big biological data analysis, ontologies and artificial intelligence”
- **Special Section** “Genetics and systems biology of aging”
- **Round table** on “International science diplomacy”

For a comprehensive overview of the Multiconference program and symposia details, please visit BGRS/SB-2024 Program (<https://bgrssb.icgbio.ru/2024/schedule/>)

Publication Opportunity:

Participants are invited to submit abstracts for inclusion in the conference proceedings, which will be published electronically with ISBN and DOI references.

For submission guidelines, please refer to our website: <https://bgrssb.icgbio.ru/2024/abstracts/>

It is also going to be possible to publish full-text articles in special issues of journals (details to be published later).

Important dates:

- Participant Registration Opens: December 2023
- Abstract Submission Begins: December 2023
- **Abstract Submission & Report Registration Deadline: May 15, 2024**

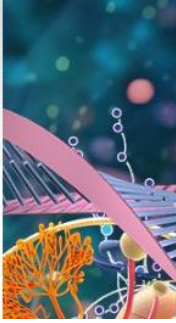


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- Notification of Program Inclusion: June 1, 2024
- Registration Fee Payment Deadline: June 10, 2024
- Video Submission for Remote Presentations: July 22, 2024
- Interactive Poster Session File Submission: July 22, 2024
- Conference Dates: August 5-10, 2024
- Altai Mountains Tour: August 11-15, 2024

Registration fee: The registration fee varies based on your participation format, attendee status, and the package you select, with options ranging from 3,000 to 10,000 rubles. For your convenience, we also offer the option to complete your payment using a bank card. Further details on this process <https://bgrssb.icgbio.ru/2024/ru/registration-fee/>.

Conference venue: The conference will be held at Novosibirsk State University, located at Pirogova Street, No. 1, academic building No. 1, block No. 3, on the 3rd floor, in Novosibirsk. For additional information about the venue, please visit the university's website at <https://www.nsu.ru/n/>. A detailed map of the location can be found at <https://www.nsu.ru/n/university/maps/Uchebniy-korpus-n1/2237726/>

You can find comprehensive information about the scientific program, registration fee, accommodation, guidelines for submitting abstracts and more on the conference official website.

The conference team has curated an engaging cultural program for attendees, featuring guided tours of Novosibirsk, visits to local museums, an excursion to the renowned Novosibirsk Zoo, and an optional post-conference journey to the breathtaking Altai Mountains (<https://bgrssb.icgbio.ru/2024/ru/altai-tour/>).

*Yours faithfully,
Head of the BGRS/SB-2024, academician Nikolay Kolchanov*

Contact: bgrs2024@bionet.nsc.ru

Website of BGRS/SB-2024: <https://bgrssb.icgbio.ru/2024/>

Site of the Institute of Cytology and Genetics SB RAS: <https://www.icgbio.ru/en/>