



BGRS/SB-2026

15th International Multiconference on “Bioinformatics of Genome Regulation and Structure / Systems Biology”

15-я Международная мультиконференция «Биоинформатика регуляции и структуры геномов / системная биология

July 6–11, 2026 in Novosibirsk, Russia / 6–11 июля 2026 г. в Новосибирске, Россия

Dear colleagues!

The Institute of Cytology and Genetics of the Siberian Branch of the Russian Academy of Sciences (ICG SB RAS) is pleased to announce the **15th International Multiconference on “Bioinformatics of Genome Regulation and Structure/Systems Biology” – BGRS/SB-2026**. The conference will take place from July 6-11, 2026 in Novosibirsk, Russia and will be held in a hybrid format, offering both online and in-person participation.

For more details, please visit our website: <https://bgrssb.icgbio.ru/2026>

Since 1998, the BGRS/SB conferences has been a biennial gathering of highly qualified specialists working on interdisciplinary tasks in the fields of modern bioinformatics, systems computational biology, mathematics, physics, computer science, and their applications in biology, medicine, pharmacology, bioengineering, biotechnology, genetics and plant and animal breeding. These experts gather in the Novosibirsk Academgorodok to discuss pressing issues and share their research findings.

In 2024, the BGRS/SB-2024 Multiconference was held in a hybrid format, with both online and in-person participation. The event attracted **1040** researchers and students/post-graduate students from 32 countries who presented a total of **793** reports (470 oral presentations, including 359 – in-person and 111 online presentations as well as 323 posters).

The materials from this conference are available at:

- Video of reports: https://bgrssb.icgbio.ru/2024/video_reports/,
- Abstracts collection: <https://bgrssb.icgbio.ru/2024/abstracts/>.
- Video reports from representatives of the symposium: <https://bgrssb.icgbio.ru/2024/video-materials/>

Multiconference BGRS/SB-2026 will include the following symposiums and sections:

Symposium 1 «Computational Analysis of Big Omics Data»

- 1.1. Structural and Evolutionary Genomics
- 1.2. Regulatory Genomics
- 1.3. Fundamental and Applied 3D Genomics
- 1.4. Whole Genome Transcriptomics and Differential Gene Expression
- 1.5. Genome-Wide Association Studies (GWAS)

Symposium 2 “Computational Proteomics, Structural Biology And Pharmacology”

- 2.1. Structural Biology of Proteins, Nucleic Acids, and Membranes
- 2.2. Pharmacology, Chemoinformatics, and Chemical Biology

Symposium 3 “Systems Computational Biology»

- 3.1. Reconstruction, Computational Analysis, and Modeling of Gene Networks and Molecular Genetic Systems
- 3.2. Mathematical Microbiology
- 3.3. Mathematical Immunology



- 3.4. Mathematical Epidemiology
- 3.5. Computational Analysis and Modeling of Population, Ecological, and Genetic Systems and Processes
- 3.6. Systems Theory, Analysis of Big Biological Data, Ontologies, and Artificial Intelligence
- 3.7. Mathematical and Simulation Modeling, Digital Twins

Symposium 4: "Medical, Evolutionary, and Population Genomics/Genetics of Humans"

Symposium 5: "General Issues in Evolutionary Biology"

Symposium 6: "Genetics, Bioinformatics, and Systems Biology of Plants"

Symposium 7: "Genetics/Genomics, Bioinformatics, Systems, and Evolutionary Biology of Animals"

- 7.1. Population and Evolutionary Genetics/Genomics of Wild and Domestic Animals
- 7.2. Genomics, Genetics, and Systems Biology of Animals: Fundamental and Applied Aspects

Symposium 8 «Microbiology and Biotechnology»

- 8.1. Biotechnology Through the Lens of the Microbiome
- 8.2. Microbial Communities in Natural and Anthropogenic Habitats, Biocollections, and Development of Producer Strains

Symposium 9 "Biomedicine and clinic"

- 9.1. Gene Expression, Molecular and Cellular Mechanisms of Human Diseases, Diagnostic and Therapeutic Technologies
- 9.2. Genetic, Metabolomic, and Immune Control of Collagen, Elastin, and Interstitial Matrix Synthesis in Connective Tissue (in health and disease)

Symposium 10 «Neuroscience and cognitive technologies»

Symposium 11 «Fundamental Genetic/Cellular Systems/Processes»

- 11.1. DNA Repair and Replication Regulating of Genome Stability
- 11.2. Systems Biology of Apoptosis and Other Fundamental Cellular Processes Regulating Cell Fate

Symposium 12. "Genetics and systems biology of aging"

Applications for the BGRS/SB-2026 conference are invited in the areas described above, with particular emphasis on

- Development and application of new methods in bioinformatics, systems computational biology and artificial intelligence;
- Interdisciplinary life science research using the above approaches to analyze big omics/biological data.

We invite researchers to suggest new scientific areas of interest for inclusion in our program.

The conference language is English and Russian.

We are also excited to announce that a digital collection of abstracts will be published as part of the conference.

Abstracts should be submitted by March 17, 2026. For participants from the Russian Federation and Republic of Belarus, abstracts should be submitted in both Russian and English. Participants from other countries may submit abstracts in English only. Each abstract will receive a unique DOI link and the entire collection will have an ISBN.

After the conference, the abstracts may be published as full-text articles in special issues of international journals indexed in Web-of-Science.

In addition to the conference, we have prepared an engaging cultural program for participants including city tours to Novosibirsk, museum visits, a trip to the largest Russian zoo, and a post-conference tour to the Altai.

Please note the following important dates:

- Participant registration begins: September 2025
- Abstract submission begins: September 15 2025
- Abstract submission deadline: March 15, 2026
- Notification of inclusion in the conference program: April 20, 2026
- Registration fee (at preferential rates of organizational fees) payment deadline: April 1, 2026
- Registration fee payment deadline: May 15, 2026
- Conference dates: July 6-11, 2026
- Altai tour dates: July 12-16, 2026

Further details on the scientific program, registration fee, accommodation, rules for submitting abstracts, etc., will be posted to our website and will be emailed in our future newsletters.

An important note for Russian participants: As per Federal Law of 31.07.2023 № 406-FZ, registration on the conference website is only possible using e-mail addresses with Russian mail.

*Yours faithfully,
Chairman of the BGRS/SB-2026,
academician of the Russian academy of sciences,
academic adviser of the ICG SB RAS,
Nikolay Kolchanov*

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Website of BGRS/SB-2026: <https://bgrssb.icgbio.ru/2026>

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