

SBB-2026 / СББ-2026

16-я Международная школа молодых ученых «Системная биология и Биоинформатика»

XVI International Young Scientists School «Systems biology and bioinformatics»

28 сентября – 2 октября 2026 года, ИЦиГ СО РАН, Новосибирск, Россия

September 28 – October 2, 2026, ICG SB RAS, Novosibirsk, Russia

PlantGen School 2026 / Школа ПлантГен 2026

6-я Школа молодых ученых «Генетика, геномика, биоинформатика и биотехнология растений»

VI Young Scientists School «Plant genetics, genomics, bioinformatics and biotechnology»



Dear colleagues!

From **September 28 to October 2, 2026**, the Federal State Budgetary Scientific Institution “Federal Research Center Institute of Cytology and Genetics of the Siberian Branch of the Russian Academy of Sciences” (ICG SB RAS, Novosibirsk, Russia) will hold the Young Scientists Multi-School, combining the 16th International Young Scientists School “Systems Biology and Bioinformatics” (SBB-2026) and the 6th Young Scientists School “Plant Genetics, Genomics, Bioinformatics and Biotechnology” (PlantGen School 2026).

We invite young scientists, postgraduate students, and students from Russia, CIS countries, and other countries to participate!

Venue of the Multi-School: ICG SB RAS, 10 Akademika Lavrentieva Avenue, Novosibirsk.

Format of the Multi-School: in person only!

The Multi-School program will include:

- lectures by leading experts;
- presentations by young scientists with a competition for the best works. The winners of the competition among oral and poster presentations will receive commemorative prizes;
- practical classes;
- in-person and electronic poster sessions.

Main topics of the SBB-2026 School:

- Genome structure and function;
- Computational transcriptomics;
- Bioinformatics, genetic variability, and biomedicine;
- Computational proteomics;
- Systems computational biology;
- Computational evolutionary biology;
- Computational developmental biology;
- Big genetic data;
- Computational epidemiology.

Main topics of PlantGen School 2026:

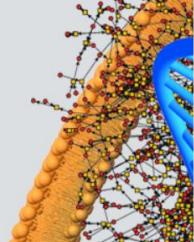
- Fundamentals of bioinformatics;
- Bioinformatics for agriculture;
- Fundamentals of statistical genetics;
- Genetic technologies in breeding.

Main topics of the Multi-School practical classes:

- Analysis of high-throughput sequencing data;
- Analysis of high-throughput genotyping data;
- Introduction to agrobiotechnology;
- Structural biology;
- Construction and analysis of biological networks
- Regulatory and functional genomics.

List of lectures:

1. Dmitry A. Afonnikov, Chief Researcher, Doctor of Biological Sciences, Associate Professor, Deputy Director, Federal Research Center ICG SB RAS, Novosibirsk
[*Automatic plant phenotyping*](#)



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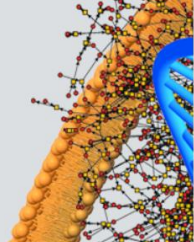


2. Dmitry A. Afonnikov, Chief Researcher, Doctor of Biological Sciences, Associate Professor, Deputy Director, Federal Research Center ICG SB RAS, Novosibirsk
[High-throughput plant phenotyping based on deep machine learning](#)
3. Elena V. Zemlyanskaya, Leading Researcher, Candidate of Biological Sciences, Federal Research Center ICG SB RAS, Novosibirsk
[Meta-analysis of plant transcriptomic data](#)
4. Vladimir A. Ivanisenko, Leading Researcher, Candidate of Biological Sciences, Associate Professor, Federal Research Center ICG SB RAS, Novosibirsk
[Gene networks](#)
5. Antonina A. Kiseleva, Senior Researcher, Candidate of Biological Sciences, Federal Research Center ICG SB RAS, Novosibirsk
[Methods of plant genome editing](#)
6. Sergey A. Lashin, Chief Researcher, Doctor of Biological Sciences, Federal Research Center ICG SB RAS, Novosibirsk
[Mathematical and computer models of evolutionary processes](#)
7. Maxim M. Patrin, Fenomika LLC, Moscow
[Plant phenomic breeding. Overview of technologies and current solutions in Russia](#)
8. Roman N. Perfiliev, Junior Researcher, and Andrey B. Shcherban, Leading Researcher, Doctor of Biological Sciences, Federal Research Center ICG SB RAS, Novosibirsk
[Functional genetics: the case of soybean](#)
9. Yuri V. Sidorchuk, Researcher, Candidate of Biological Sciences, Federal Research Center ICG SB RAS, Novosibirsk
[Transformation of extranuclear genomes: plastids and mitochondria](#)
10. Ekaterina M. Timonova, Researcher, Candidate of Biological Sciences, Federal Research Center ICG SB RAS, Novosibirsk
[Doubled haploid technologies in genetics and breeding](#)
11. Igor I. Titov, Senior Researcher, Candidate of Physical and Mathematical Sciences, Federal Research Center ICG SB RAS, Novosibirsk
[Darwinian perspectives in the evolution of complex systems: from genes to languages and cultures](#)
12. Anton V. Tsukanov, Junior Researcher, Candidate of Biological Sciences, Federal Research Center ICG SB RAS, Novosibirsk
[Computational analysis and recognition of transcription factor binding sites in animal and plant genomes](#)
13. Speaker to be confirmed, All-Russian Research Institute of Agricultural Biotechnology, Moscow, Russia
[Speed breeding technology in genetics and breeding](#)
14. Speaker to be confirmed
[Genomic selection](#)

List of practical classes. The practical classes will be conducted by staff members of the Federal Research Center ICG SB RAS, Novosibirsk, Russian Federation.

1. Anna V. Adamovskaya, Junior Researcher.
[Gene networks, 4 hours](#)
2. Artur S. Venzel, Postgraduate Student
[Structural biology and protein modeling, 4 hours](#)
3. Vladislav A. Dolgikh, Junior Researcher
[From transcription factor binding motifs to gene expression. What can be learned from ChIP-seq experiment data, 8 hours](#)
4. Dmitry Karetnikov, Junior Researcher, and Artem Yu. Pronozin, Junior Researcher
[Identification of genetic variations based on whole-genome sequencing, 8 hours](#)
5. Antonina A. Kiseleva, Candidate of Biological Sciences, Senior Researcher
[Fundamentals of association mapping of plant genetic loci, 4 hours](#)
6. Yuri V. Sidorchuk, Candidate of Biological Sciences, Researcher, and Tatyana V. Marenkova, Candidate of Biological Sciences, Researcher
[Methods for delivering genetic constructs into cells for plant genome editing, 12 hours](#)
7. Ekaterina M. Timonova, Candidate of Biological Sciences, Researcher
[Doubled haploid technologies for accelerating cereal crop breeding, 8 hours](#)

Working languages: Russian and English.



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Registration: to participate in the Multi-School, please register on the School website **by September 2, 2026**, inclusive, using the following link: <https://conf.icgbio.ru/sbb-plantgen-2026/en/registration/>

Practical classes: within the Multi-School, practical classes will be held in 7 topics. It is planned that 2 classes will be held per day in parallel; therefore, each participant will be able to choose and attend 2 to 3 practical classes, depending on the duration of each class. The choice of practical classes, indicating the participant's priorities, can be made directly in the registration form on the School website. This choice is preliminary and can be adjusted before the start of the School, but it will help us, as organizers, to prepare a more targeted final schedule for the practical classes, possibly holding the most popular classes twice.

Abstract book: an abstract book will be published as part of the Multi-School, with a DOI assigned to each abstract and the abstract book registered in the Russian Science Citation Index. Abstract formatting guidelines are available here: <https://conf.icgbio.ru/sbb-plantgen-2026/en/abstracts/>.

Important! Please note that an abstract with affiliations of authors from Russian organizations may be accepted for publication and published in the School abstract book only if an expert opinion is provided. Details are available here: <https://bgrssb.icgbio.ru/2026/en/export/>. The expert opinion must be obtained from the author's organization and must permit publication of the abstract. Preparing this document takes time, from several days to several weeks, depending on the organization. Therefore, if you decide to publish an abstract in the abstract book, please begin preparing the expert opinion immediately. Authors whose abstract affiliations do not include organizations from the Russian Federation do not need to provide an expert opinion.

Key dates (All dates are inclusive):

- Registration on the School website – **until September 2, 2026**.
- Payment of the registration fee: until September 5, 2026.
- Submission of abstracts for participation in the young scientists' presentation session, oral or poster, and for publication in the abstract book: until September 5, 2026.
- Submission of expert opinions for publication of abstracts in the Multi-School abstract book: until September 5, 2026.
- Accommodation booking: until September 5, 2026.
- Publication of the detailed School program: September 14, 2026.
- Multi-School dates: September 28 – October 2, 2026.

The participation fee – 6 000 RUB. The registration fee includes participation in all School events, including lectures and practical classes; a participant package, including a badge, folder, notebook, pen, and program; and coffee breaks. Payment methods and payment details are available here: <https://conf.icgbio.ru/sbb-plantgen-2026/en/registration-fee/>

Accommodation: the Organizing Committee offers participants assistance in booking accommodation at the Zolotaya Dolina Hotel and the Park Wood Akademgorodok Hotel. Full details on accommodation prices and room categories are available here: <https://conf.icgbio.ru/sbb-plantgen-2026/en/accommodation/>

Important: having an oral presentation in the young scientists' presentation session, as well as submitting an abstract for publication in the School abstract book, is not mandatory but is encouraged.

Multi-School website: <https://conf.icgbio.ru/sbb-plantgen-2026/en/>

Best regards,

Organizing Committee of the SBB-PlantGen-2026 Multi-School

Organizing Committee email: sbb.plantgen@bionet.nsc.ru

Website: <https://conf.icgbio.ru/sbb-plantgen-2026/en/>

ICG SB RAS, Novosibirsk, Russia: <https://www.icgbio.ru/>