



# 9th International Conference on the Bioinformatics of Genome Regulation and Structure\Systems Biology, BGRS\SB-2014 (Multi-Conference)



June 23-28, 2014

Akademgorodok, Novosibirsk, Russia

**Information letter**

WWW: <http://conf.nsc.ru/BGRSSB2014/en>

E-mail: [bgrs2014@bionet.nsc.ru](mailto:bgrs2014@bionet.nsc.ru)

Dear colleagues,

We would like to invite you to participate in the IX International Conference on the Bioinformatics of Genome Regulation and Structure\Systems Biology (BGRS\SB-2014) which is to be held in Novosibirsk, Russia ( June 23-28, 2014).

BGRS conference series is an international biennial event that gets together biologists, computer scientists, physicists, mathematicians and biochemists working in an interdisciplinary field of systems biology, bioinformatics and genetics since 1998. The previous meeting, BGRS\SB-2012, hosted more than 400 participants from 21 countries, confirming the Conference as largest system biology meeting series in Russia.

The BGRS\SB-2014 Program will include plenary lectures and sectional presentation, round tables, and Young Scientists School "Systems Biology and Bioinformatics". Best materials presented at the conference will be recommended for full-text publications in special issue of peer-reviewed journals after the event.

The BGRS\SB-2014 conference program will include the following scientific sections and symposia:

- 1) **Genomics.** As part of this section new high-throughput sequencing technologies, data processing methods and 3D chromatin packaging analysis in the cells will be discussed. Chairs: Acad. G.K. Skryabin (Bioengineering Center, Moscow, Russia), Prof. Yijun Ruan (The Jackson Laboratory, USA).
- 2) **Proteomics and pharmacology.** Proteomes of organisms in extreme conditions. Chairs: Prof. E.N. Nikolaev (Institute of Energy Problems of Chemical Physics RAS, Moscow, Russia), Prof. I.M. Larina (SSC RF Institute for Biomedical Problems, RAMS, Moscow, Russia).
- 3) **Gene networks.** Genetic networks reconstruction and modeling. Chairs: Dr. A. Ratushny (Institute for Systems Biology, Seattle, USA).
- 4) **Systems biology of host-pathogen interactions.** Computer modeling of virus-host interactions, strategies of new antiviral drugs. Chairs: Prof. Lars Kaderali (Dresden University of Technology, Germany).
- 5) **Evolutionary Biology.** Comparative genomics, molecular mechanisms of adaptation, paleogenomics and human evolution. Chairs: Prof. David Liberles (University of Wyoming, USA). Invited speakers: Prof. Andy Clark (Cornell University, USA), Prof. David Penny (Massey University, New Zealand), Prof. T.C. Ghosh (Bose Institute, India).
- 6) **Neurobiology.** Neurogenetics and system biology of brain research. Chairs: Prof. E.I. Rogayev (University of Massachusetts, USA), Prof. K.V. Anokhin (NRC "Kurchatov Institute", Moscow, Russia).
- 7) **Text-mining and intelligent analysis of knowledge in databases.** Analysis of data in scientific publications, large-scale data mining in systems biology. Chairs: Prof. Andrey Rzhetsky (The University of Chicago, USA).
- 8) **Systems Biology and plants bioinformatics.** Section is devoted to the tasks of genomics and systems biology of plants. Chairs: Prof. E.A. Salina (ICG SB RAS, Novosibirsk, Russia).
- 9) **Epigenetics.** Section holds discussion on chromatin structure and epigenetic modifications. Chairman: Prof. E.B. Prokhorchuk (Center "Bioengineering" RAS, Moscow, Russia).

Satellite Meetings and Workshops will also take place, including the

**Symposium "Human Genetics"**. Translational medicine, personalized medicine and ethnogenetics. Chairman: Prof. V.P. Puzyrev (Institute of Medical Genetics SB RAMS, Tomsk, Russia), correspondent member of the RAMS, Prof. M.I. Voevoda (FSBI IPM SB RAMS, Novosibirsk, Russia).

**International conference "Mathematical Modeling and High-Performance Computing in Bioinformatics, Biomedicine and Biotechnology"**. Chairman: Prof. S.I. Kabanikhin (Institute of Mathematics and ICMMG SB RAS, Novosibirsk, Russia), Prof. Maxim Fedorov (University of Strathclyde, UK).

**Open seminar of German/Russian Virtual Network on Bioinformatics - Computational Systems Biology**. Prof. R. Hofstadt (University of Bielefeld, Germany), V.A. Ivanisenko, A.V. Kochetov, Y.L. Orlov (ICG SB RAS, Novosibirsk, Russia).

**Young Scientists School "Systems Biology and Bioinformatics" (SBB-2014)** <http://conf.nsc.ru/SBB2014>  
Invited scientists will give review lectures for young scientists on modern topics of systems biology and computer modeling. The School program will include oral presentations by young scientists and PhD students. Best young scientists presentations will be awarded by prize from the Organizing Committee and sponsors.

The registration for the conference is open online <http://conf.nsc.ru/BGRSSB2014/en>.

#### **Important dates**

Abstract submission and registration deadline for BGRS\SB-2014: **April 01, 2014**

Abstract submission and registration deadline for the Young Scientists School "Systems Biology and Bioinformatics": **May 01, 2014**

Notification of acceptance to the Conference program: **May 6, 2014**

Notification of reports acceptance to the School program: **June 2, 2014**

Conference dates: **June 23-28, 2014**

Young Scientist School "Bioinformatics and System Biology" date: **June 24 – 27, 2014**

Venue: House of Scientists, Akademgorodok, Novosibirsk, Russia.

**Registration fee** for the BGRS\SB-2014 conference, Young Scientists School and Multi-conference:

[http://conf.nsc.ru/BGRSSB2014/en/reg\\_fee](http://conf.nsc.ru/BGRSSB2014/en/reg_fee)

Early bird rate is before 10 May.

#### **Contacts**

- WWW: <http://conf.nsc.ru/BGRSSB2014/en>
- E-mail: [bgrs2014@bionet.nsc.ru](mailto:bgrs2014@bionet.nsc.ru) (including accommodation requests).
- Visa application: Please contact Head of the International Office Dr. Galina Kiseleva - Tel. +7(383) 363-4987 (\*1338) [kiseleva@bionet.nsc.ru](mailto:kiseleva@bionet.nsc.ru)
- Young Scientists School "System Biology and Bioinformatics": [sbb2014@bionet.nsc.ru](mailto:sbb2014@bionet.nsc.ru)

Sincerely,

**BGRS\SB-2014 Program Committee**

**Prof. Dr. Ralf Hofstadt,  
Bielefeld University, Germany**

**Prof. Academician Nikolay A. Kolchanov,  
Institute of Cytology and Genetics SB RAS,  
Novosibirsk, Russia**