



Saint-Petersburg International Workshop on NanoBiotechnologies

27 -29 November 2006

Saint-Petersburg

Russia

For the first time in Russia!

First Announcement

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Scope

Biological systems are inherently nano in scale. Nanobiology is at the interface of physical and biological sciences. It is a new discipline, with the potential of revolutionizing medicine: it combines the tools, ideas and materials of nanoscience and biology; it addresses to biological problems that can be studied and solved by nanotechnology; it thinks out ways to construct molecular devices using biomacromolecules; and it attempts to build molecular machines utilizing concepts seen in nature.

Biology is increasingly asking quantitative questions. Quantization is essential if we are to understand how the cell works, and details of its regulation. The physical sciences provide tools and strategies to obtain accurate measurements and simulate the information to allow to comprehend the processes. The development of computational modeling and informatics software will enable scientists and engineers to apply nanotechnology to key areas of medical research, including diagnostics, biosensing, drug delivery and biomaterial design.

The aim of this workshop is to set the discussion between biologists, physicists, computer scientists and engineers, traditionally divided groups, and bridge the gap between materials science and life science. The scientific program will consist of both oral and poster presentations.

Satellite meetings

- Meeting of the German-Russian network on Computational Systems Biology.
- Meeting of the Austrian-Russian workgroup on Nanobiotechnology.

Topics

- Artificial Nanostructures
- Nanocarbon
- Energy Nanomaterials
- Systems Biology
- Synthetic Biology
- Nanobionics

- Nanodesign
- Regulatory and Signaling Networks
- Noise in Biological Systems
- Integrative Data and Text Mining Approaches
- Signal Processing
- Nanodiagnostics
- Nanobiosensors
- Nanobiotech Education and Industrial Innovation

Important dates

Abstracts due: **September 20, 2006**

Notification to authors: **September 30, 2006**

Registration deadline: **October 5, 2006**

Conference Dates: **November 27-29, 2006**

Organizers

- Ministry of Education and Science of Russian Federation
- Saint-Petersburg State Polytechnical University
- Center for Advanced Studies of Saint-Petersburg State Polytechnical University
- Saint-Petersburg State University Technology and Design
- Science and Education Complex "Saint-Petersburg Physico-Technical Science and Education Center of Russian Academy of Science"
- Center of Microtechnology and Diagnostics of Saint Petersburg Electrotechnical University
- Russian Science Council "Fullerenes and Atomic Clusters"
- Austrian - Russian Working Group on Innovation Cooperation in the Industry and Science

Sponsors

[Federal Agency on Science and Innovations](#)

[Russian Foundation for Basic Research](#)

[Saint-Petersburg City Government](#)

[Federal and Regional Programs Foundation](#)

Sponsorship

Sponsors are invited in support of this event.

Please contact the Organizing Committee if your organization is interested in sponsoring (see Contacts).

Chairs

- **Mikhail Fedorov** (Russia), SPbSPU Rector. Honorary Chair
- **Sergey Kozyrev** (Russia)
- **John Reinitz** (USA)

Scientific Committee

- **Alexander Samsonov** (Russia)
- **Eric Mjolsness** (USA)
- **Ildus Nuretdinov** (Russia)
- **Jaap Kaandorp** (the Netherlands)
- **Lixiang Wang** (China)
- **Maria Samsonova** (Russia)
- **Mark Lohmann** (Germany)
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- **Pavel Yakutseni** (Russia)
- **Ralf Hofestaedt** (Germany)
- **Victor Luchinin** (Russia)
- **Xiaoni Yang** (China)

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Workshop Program

It is planned to visit the Saint-Petersburg State Polytechnical University, Ioffe Physico-Technical Institute of RAS, Saint-Petersburg State Electrotechnical University, Saint-Petersburg State University (in Petergoff), State Research Center Applied Chemistry.

Submission of contributions

Authors are encouraged to submit:

Oral Presentations:

submit an extended abstract (2 A4 pages).

Abstracts will be reviewed by the scientific committee and acceptance or rejection will be communicated to authors.

All submissions which are not selected will automatically be considered for posters presentation.

Posters:

submit an abstract (max 1 A4 pages).

Abstracts will be reviewed by relevance only and acceptance or rejection will be communicated to authors.

Position papers:

submit a short abstract specifying research interests and issues to be debated during the workshop.

All abstract must be submitted both in PDF and either in MS Word or LaTeX. Abstracts should be written in English. Text should be single spaced with 3.5 cm from the left margin and 2.5 cm from other margins and justified. Please use 12-point Times New Roman font. Do not indent paragraphs. Name of the presenting author should be underlined.

Send all contributions by email within respective deadlines to:

nanobio@spbcas.ru

Accepted oral presentations, posters and position papers will be published in the workshop proceedings.

Papers

Information will be announced later.

Location

The Sessions of the Workshop will take place in the Main Building of Saint-Petersburg State Polytechnical University.

Address: 29 Polytechnicheskaya st., Saint-Petersburg, Russia.



Accomodation

The participants are expected to be housed in the hotel Sputnik located near the conference place. The tax for room reservation is 20% of the room rate.



NO hotel prepayment is necessary!
The payment is done in the hotel upon arrival

Fee

The fee for participant is **USD 300** or **EUR 235**.

The fee covers:

Transfer from airport and back, visa support; shuttle bus from hotel to Conference hall, conference file, book of Abstracts and Final programme, Welcome party; coffee breaks, and lunches (the latter is not included for accompanying persons).

Please make a request to Local Organazing Committee about accompanying persons.

Method of payment

Please, necessarily indicate tne name of workshop, country and names of participant.

in US Dollars

INTERMEDIARY BANK:

Bank of New York,
48 Wall str., New York, N Y 10286,
USA, SWIFT: IRVT US 3N

BENEFICIARY'S BANK:

890-0097-507
Bank for Foreign Trade, Branch St
Petersburg, Russia

BENEFICIARY: SWIFT: VTBR RU M2 SPE
account 40503840700001000025
SEI St Petersburg State Polytechnic
University, 29, Polytechnicheskaja str,
St Petersburg, Russia

in Euro

INTERMEDIARY BANK: Donau Bank AG, POB 1451, F-1011
Vienna, Austria
SWIFT: DOBA AT WW

BENEFICIARY'S BANK: 11.00.0615140-900
Bank for Foreign Trade, Branch St Petersburg, Russia,
29, B Morskaja str, 190000 St Petersburg, Russia
SWIFT: VTBR RU M2 SPE
BENEFICIARY: account 40503978407001000025
SEI St Petersburg State Polytechnic
University, 29, Polytechnicheskaja str, St Petersburg,
Russia

Registration

To be put on the mailing list and receive the current information on the Workshop, please, fill in the Registration Form or send an appropriate request to the Organizing Committee..

Kind of visa arrangement

- Official (**invitation receiving from SPbSPU, it is necessary in this case to fill in the all italic fields of Registration Form and send us a copy of your passport**)
- By myself (in this case you need not send us a copy of your passport page and fill in the brown fields of Registration Form.)

[Registration Form](#)

[Registration Form for Accompanying Person](#)

Contacts

Local Organizing Committee of the Saint-Petersburg International Workshop on
Nanobiotechnologies NanoBio'2006.

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We are looking forward to see you in Saint-Petersburg!