

International German/Russian Summer School on Integrative Biological Pathway Analysis and Simulation

A satellite meeting of the International Conference of
Integrative Bioinformatics

June 18th to 21st, 2012
Bielefeld, Germany

<http://www.techfak.uni-bielefeld.de/ags/bi/ibpas2012/summerschool/>

Background

Thousands of molecular databases and hundreds of scientific journals are available which represent molecular data. Based on innovative molecular devices like high throughput sequencing and proteomic analysis generates large quantities of high dimensional molecular data (microarray data, protein chips, etc.). The challenge of Computational and Integrative Biology is to integrate, align, model and simulate these data to have a deeper insight into complex biological systems.

This International German/Russian Summer School - as a satellite meeting of the International Conference of Integrative Bioinformatics - will be of interest for Bioinformatics, Molecular Biology and Molecular Medicine. The idea of this Summer School is to discuss methods, theoretical approaches or practical applications in the area of Integrative Pathway Analysis. Furthermore the Summer School will start with the International Workshop on Integrative Biological Pathway Analysis and Simulation. The special lecturers will present actual activities of the following topics:

- Database integration
- Molecular data warehouse
- Molecular textmining
- Analysis of complex networks
- Visualization and animation
- Petri net simulation

Important Dates

- 1st April 2012: Submission of CV (Please email the CV to: ralf.hofestaedt@uni-bielefeld.de)
- 15th April 2012: Notification of acceptance

Organizing Committee

- Ralf Hofestädt, University of Bielefeld, Germany
- Karl-Josef Dietz, University of Bielefeld, Germany
- Falk Schreiber, IPK Gatersleben, Germany
- Nikolay Kolchanov, Institute of Cytology and Genetics SB RAS, Russia
- Vladimir Poroikov, Russian Academy of Medical Sciences, Russia
- Maria Samsonova, Polytechnical University of St. Petersburg, Russia

Contact

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