

Call for Papers

International German/Turkish/Russian Workshop on Integrative Biological Pathway Analysis and Simulation

A satellite meeting of the International Conference of
Integrative Bioinformatics

GI FG
Informationsmanagement in
der Biotechnologie

June 24th and 25th, 2015
Bielefeld, Germany

<http://www.techfak.uni-bielefeld.de/ags/bi/ibpas2015/workshop/>

Accepted abstracts are invited for oral presentation. Submission must be made via the Workshop web site. Accepted abstracts will be published as conference proceedings and full papers are invited for the Journal of Integrative Bioinformatics (<http://journal.imbio.de/>)

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 proteomics analysis generates large quantities of high dimensional molecular data (microarray data, protein chips, etc.). The challenge of Computational and Integrative Biology is to integrate, analysis, model and simulate these data to have a deeper insight into complex biological systems.

This Workshop - as a satellite meeting of the International Conference of Integrative Bioinformatics - will be of interest for Bioinformatics, Molecular Biology and Pharmacological Medicine. The idea of this Workshop is to discuss methods, theoretical approaches or practical applications in the area of Integrative Data Analysis for pharmacological and molecular adverse drug reactions.

Topics of Interest

- Database integration
- Molecular data warehouse
- Molecular textmining
- Big Data
- Petri net simulation of pathways
- Metabolic network analysis for drug-target interactions
- Workflow Management

Important Dates

- 1st May 2015: Extended abstract submission
- 25th May 2015: Notification of acceptance

Organizing Committee

- Ralf Hofestädt, University of Bielefeld, Germany
- Alban Shoshi, University of Bielefeld, Germany
- Jens Allmer, Izmir Institute of Technology, Turkey
- Alexey Kochetov, Institute of Cytology and Genetics SB RAS, Russia
- Ming Chen, University of Zhejiang, China

Contact

ralf.hofestaedt@uni-bielefeld.de