International Symposium on
Integrative Bioinformatics

5th annual meeting
20th to 22nd August 2008
Leucorea, Lutherstadt Wittenberg, Germany

Organized by the Martin-Luther-University Halle-Wittenberg and the Leibniz Institute of Plant Genetics and Crop Plant Research (IPK) Gatersleben. For more information see http://meetings.ipk-gatersleben.de/ib08/

Biological data are scattered across hundreds of biological databases and thousands of scientific journals. Current high throughput technologies generate large quantities of high dimensional data. The challenge for *Integrative Bioinformatics* is to capture, model, integrate and analyse these data in a consistent way to provide new and deeper insights into complex biological systems.

Topics of interest

* Database integration
* Combined dry and wetlab studies
* Molecular databases / Data warehouses
* Errors and inconsistencies in biological databases
* Prediction and integration of metabolic & regulatory networks
* Genotype-phenotype linkage
* Protein-protein interactions
* Integrative microarray modelling and analyses
* Integrative approaches for drug design
* Computational infrastructure for biotechnology
* Virtual cell
* Tool integration and workflow systems
* Laboratory information management systems
* Computational systems biology
* Quality and consistency of biological ontologies
* Integrative modelling and simulation frameworks
* Integrative data and text mining approaches
* Network analysis
* Data visualisation and visual analytics

Invited speakers

Peter Karp (SRI, USA)
Dietmar Schomburg (University of Braunschweig, Germany)
Roland Eils (DKFZ Heidelberg, Germany)

Organizing committee

R. Hofestädt (University of Bielefeld, Germany)
J. Köhler (Eli Lilly, USA)
M. Lange (IPK Gatersleben, Germany)
U. Scholz (IPK Gatersleben, Germany)
F. Schreiber (IPK Gatersleben & University of Halle, Germany)
P. Verrier (Rothamsted Research, UK)

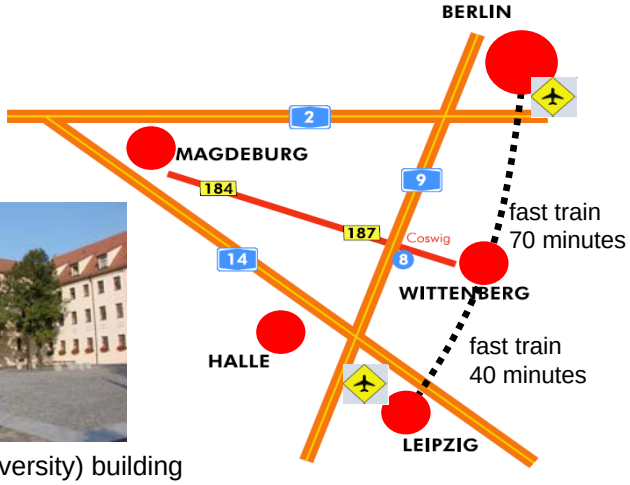
Important dates

15.04.2008	Paper submission deadline (up to 12 pages)
01.06.2008	Notification of acceptance
20.06.2008	Camera-ready papers
31.07.2008	Poster and software submission deadline
05.08.2008	Notification of acceptance for poster and software demos
10.08.2008	Last date for early registration
20.-22.08.2008	Symposium

Accepted papers will appear in a special issue of the Journal of Integrative Bioinformatics

Program committee

P. Arrigo	(CNR ISMac Genova, Italy)
A. Bateman	(Sanger Institute, UK)
J. Borlak	(Fraunhofer ITEM Hannover, Germany)
M. Chen	(Zhejiang University, China)
J. Collado-Vides	(UNAM Cuernavaca, Mexico)
C. Goble	(University of Manchester, UK)
C. Hodgman	(Nottingham University, UK)
I. Jonassen	(University of Bergen, Norway)
I. Koch	(TFH Berlin, Germany)
N. Kolchanov	(Russian Academy of Sciences, Russia)
M. Kuiper	(Ghent University, Belgium)
V. Kuznetsov	(Genome Institute of Singapore, Singapore)
U. Leser	(Humboldt University, Berlin, Germany)
Y. Li	(Shanghai Inst. for Biological Science, China)
A. Masoudi-Nejad	(University of Tehran, Iran)
H. Matsuno	(Yamaguchi University, Japan)
C. K. Mitra	(University of Hyderabad, India)
P. Moscato	(University of Newcastle, Australia)
S. Neumann	(IPB Halle, Germany)
S.-K. Ng	(Institute for Infocomm Research, Singapore)
S. Rahmann	(Technical University Dortmund, Germany)
C. Rawlings	(Rothamsted Research, UK)
P. Romano	(National Cancer Research Institute, Italy)
M. Samsonova	(St. Petersburg State Polytech. Univ., Russia)
K. U. Sattler	(Technical University Ilmenau, Germany)
D. B. Searls	(GlaxoSmithKline, USA)
J. Selbig	(University of Potsdam, Germany)
C. Sensen	(University of Calgary, Canada)
M. Tomita	(Keio University, Japan)
T. Topaloglou	(University of Toronto, Canada)
C. Türker	(ETHZ, Switzerland)
T. Werner	(Genomatix, Germany)
N. P. Willassen	(University of Tromsø, Norway)
A. Wipat	(University of Newcastle, UK)
L. Wong	(National University of Singapore, Singapore)

Lutherstadt Wittenberg

Leucorea (old university) building