

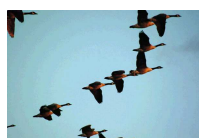
NiSIS / JCB / DFG International Spring School and Workshop Data Mining and Modelling in Systems Biology

International Spring School Integrative Analysis of Transcriptome and Proteome Data

15th March 2007, Jena/Germany

Technologie- und Innovationspark TIP Jena, 3rd Floor,
Beutenberg Campus, Wildenbruchstr. 15, D-07745 Jena

Organized by the Leibniz Institute for Natural Product Research and Infection Biology - Hans Knoell Institute - and BioControl Jena GmbH
with Support from the European Co-ordination Action 'Nature-inspired Smart Information Systems' NiSIS,
the Jena Centre for Bioinformatics JCB and the German Research Foundation DFG



Nature-inspired Smart Information Systems

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Programme

- 08.30 - 09.00** *Registration*
- 09.00 - 09.15** **Welcome, Introduction and Programme Overview**
M. Pfaff (BioControl Jena GmbH, Jena, Germany)
D.A. Linkens (University of Sheffield, England)
- 09.15 - 10.00** **Integration of Transcriptome and Proteome Data from Pathogenic Fungi Using a Data Warehouse**
D. Albrecht (Leibniz Institute for Natural Product Research and Infection Biology - Hans Knoell Institute, Jena, Germany)
- 10.00 - 10.15** *Break*
- 10.15 - 11.00** **Systematic Interpretation of Microarray Data Using Experiment Annotations**
K. Fellenberg (German Cancer Research Center, Heidelberg, Germany)
- 11.00 - 11.15** *Break*
- 11.15 - 12.00** **Integrated Analysis of Genome-wide Expression Data**
T. Hartsch (Genedata AG, Basel, Switzerland)
- 12.00 - 12.15** *Break*
- 12.15 - 13.00** **Analysis of Gene Expression Data Using ExPlain™**
P. Stegmaier, A. Kel (BIOBASE GmbH, Wolfenbuettel, Germany)
- 13.00 - 14.15** *Lunch Break*
- 14.15 - 15.00** **Transcriptome and Proteome Analysis for Recombinant *E. coli***
K. Duerschmid, G. Striedner, K. Bayer (University of Natural Resources and Applied Life Sciences, Vienna, Austria)
- 15.00 - 15.15** *Break*
- 15.15 - 16.00** **Integrated Analysis of Transcriptome, Proteome and Metabolome Data**
J. Selbig (Max Planck Institute for Molecular Plant Physiology, Potsdam-Golm and University of Potsdam, Germany)
- 16.00 - 16.15** *Break*
- 16.15 - 17.00** **Resampling Methods for Cluster Validation Applied to Transcriptome Data**
U. Moeller (Leibniz Institute for Natural Product Research and Infection Biology - Hans Knoell Institute, Jena, Germany)
- 17.00 - 17.15** *Break*
- 17.15 - 18.00** **Gene Regulatory Network Inference from Genome-wide Time Series Data**
S. Toepfer (BioControl Jena GmbH, Jena, Germany)
- 18.00 - 18.15** **Feedback Discussion and Concluding Remarks**
M. Pfaff (BioControl Jena GmbH, Jena, Germany)
D.A. Linkens (University of Sheffield, England)