



International Workshop

Integrative Network Inference in Systems Biology

8th-9th October 2009, Jena, Germany

The Workshop will be the 7th in a series of annual International Workshops held in Jena and is dedicated to gene expression data analysis for the dynamic modelling of gene regulation. It will have its focus on the integration of experimental data and prior knowledge into dynamic models of biomolecular networks, in particular gene regulatory networks (GRNs). Standard GRN inference methods primarily use gene expression data derived from microarrays. However, the incorporation of additional information from heterogeneous data sources, e.g. genome sequence and protein-DNA interaction data, can clearly support the network inference process. The models obtained are intended to assist biologists in generating hypotheses for further research. Model validation and interpretation ideally go in line with newly gained knowledge and experimental data, thereby forming a successful reiterative cycle between model construction and experimental validation.

The Workshop aims to bring together researchers from the biological and medical profession with those from the bioinformatics community. It is intended to foster collaborations and progress in systems biology by encouraging the joint use of data and knowledge based methods to elucidate the structure and dynamics of systems in biology and medicine.

Already Confirmed Invited Speakers: F. Falciani (UK), M. Hornquist (S), D. Husmeier (UK), E. van Someren (NL), R. Westra (NL)

Organization: The Workshop is organized by the Leibniz Institute for Natural Product Research and Infection Biology - Hans Knoell Institute (www.hki-jena.de) together with BioControl Jena GmbH (www.biocontrol-jena.com). It takes place within the framework of the German Systems Biology Initiatives HepatoSys and FORSYS and is supported by the German Research Foundation DFG Priority Programme SPP 1160 and the Jena Centre for Bioinformatics JCB.

Date and Location: The Workshop will take place on 8th and 9th October 2009 (beginning 9.00 a.m. both days) at the Technologie- und Innovationspark Jena (TIP), Beutenberg Campus, Wildenbruchstr. 15, D-07745 Jena, Germany.

Fees: Participation in the Workshop is free for HepatoSys, FORSYS, DFG SPP 1160 and JCB members as well as speakers. Others will have to pay a fee of EUR 125 (net plus 19% German VAT).

Abstract Submission, Acceptance Confirmation, Registration, Further Information: If you would like to submit an abstract (1 page) for an oral presentation at the Workshop, please mail it to PD Dr R Guthke (reinhard.guthke@hki-jena.de) as soon as possible. Deadline is 30th June 2009. Acceptance will be confirmed by e-mail. Registration deadline is 25th September 2009. To register for the Workshop, please download, fill in and sign the form available from www.biocontrol-jena.com and return it by fax to: ++49 (0) 3641 527832. There is a maximum of 50 participants. For updated information on the event and the programme of the Workshop, please refer to: www.biocontrol-jena.com