

Conference "Numbers to the models - generating the data for Systems Biology"

Göteborg, Sweden, June 10-12, 2005

Friday, June 10

0800-1000	Registration			Studenternas hus
0900-1200	Session	Chair: Mats Jirstrand, Olle Nerman	Need and use of quantitative data for modelling	Studenternas hus
0900-0935	Lecture	Reinhart Heinrich	Dynamics of Metabolic Networks and Signalling Pathways	Studenternas hus
0935-1010	Lecture	Edda Klipp	Model identification for biological networks in the light of uncertain and insufficient data	Studenternas hus
1010-1030	Coffee break			Studenternas hus
1030-1105	Lecture	Bela Novak	Modelling cell cycle regulation in yeast	Studenternas hus
1105-1140	Lecture	Mats Jirstrand	System Identification - the view of an engineer	Studenternas hus
1040-1200	Discussion		Quantitative data for modelling	Studenternas hus
1200-1330	Lunch break			
1330-1630	Session	Chair: Gustav Ammerer, Bertrand Seraphin	Quantifying proteins, their interaction and modification	Studenternas hus
1330-1405	Lecture	Gustav Ammerer	High osmolarity signaling - a testing ground for measuring protein interactions in vivo	Studenternas hus
1405-1440	Lecture	Bertrand Seraphin	Getting insights into the composition, structural organization and function of protein complexes	Studenternas hus
1440-1500	Coffee break			Studenternas hus
1500-1535	Lecture	Brenda Andrews	Exploration of gene function and identification of kinase targets by systematic analysis of gene overexpression phenotypes	Studenternas hus
1535-1610	Lecture	Sören Brunak	Integration of experimental data on gene expression and protein-protein interaction with predicted functional associations	Studenternas hus
1610-1630	Discussion		Quantifying proteins and their business	Studenternas hus
1630-1700	Coffee break			Studenternas hus
1700-1900	Session	Chair: Anders Blomberg, Charlie Boone	Phenomics: quantitative analysis of phenotypes	Studenternas hus
1700-1735	Lecture	Anders Blomberg	The output of the models: robustness of cellular modules revealed by quantitative stress phenotypes	Studenternas hus
1735-1810	Lecture	Charlie Boone	Global Mapping of the Yeast Genetic Interaction Network	Studenternas hus
1810-1845	Lecture	Yitzhak Pilpel	Transcription control reprogramming in genetic backup circuits	Studenternas hus
1845-1900	Discussion		Global phenotyping	Studenternas hus
1900-2100	Reception			

Saturday, June 11				
0800-0900	Registration			Studenternas hus
0900-1200	Session	Chair: Per Sunnerhagen, Roel van Driel	RNA and gene expression	Studenternas hus
0900-0935	Lecture	Tim Hughes	The synthetic genetic interaction spectrum of essential genes	Studenternas hus
0935-1010	Lecture	Takashi Ito	Structure of the yeast transcriptome: full-length cDNA analysis and absolute quantitation of mRNAs'	Studenternas hus
1010-1030	Coffee break			Studenternas hus
1030-1105	Lecture	Francesc Posas	Control of gene expression in response to osmostress	Studenternas hus
1105-1140	Lecture	Roel van Driel	Quantitative and predictive modeling of in vivo chromatin-associated processes: the DNA repair case	Studenternas hus
1040-1200	Discussion		Quantifying gene expression	Studenternas hus
1200-1330	Lunch break			
1330-1630	Session	Chair: Lena Gustafsson, Stefan Hohmann	Quantifying metabolism	Studenternas hus
1330-1345	Presentation	Christina Kyriakopoulou, EC	Introducing FP7	Studenternas hus
1345-1420	Lecture	Jens Nielsen	How to get the numbers from the metabolome and the fluxome?	Studenternas hus
1420-1455	Lecture	Steve Oliver	Top-down and bottom-up strategies for an MCA approach to yeast Systems biology'	Studenternas hus
1455-1515	Coffee break			Studenternas hus
1515-1550	Lecture	Matthias Reuss	Reconstruction of dynamic network models from metabolite measurements	Studenternas hus
1550-1625	Lecture	Sune Danø	How to Exploit Nonlinear Dynamics for Systems Biology	Studenternas hus
1625-1645	Discussion		Studying metabolism	Studenternas hus
1645-1700	Coffee break			Studenternas hus
1700-1900	Session	Poster viewing		Studenternas hus
1700-2100	Discussion	Chair: Jens Nielsen, Stefan Hohmann	YSBN Coordination Action meeting (invited delegates)	Trädgårdsföreningen
1930-	Dinner			Trädgårdsföreningen

Sunday, June 12				
0800-0900	Registration			Studenternas hus
0900-1200	Session	Chair: Thomas Nyström, Dag Hanstorp	The spatial organisation of the cell	Studenternas hus
0900-0935	Lecture	Matthias Peter	Spatial regulation of MAP-kinase signalling in yeast	Studenternas hus
0935-1010	Lecture	Dag Hanstorp	Bioimaging and Optical Manipulation	Studenternas hus
1010-1030	Coffee break			Studenternas hus
1030-1105	Lecture	Rachel Errington	A virtual understanding of drug action: Interlinking cell-based assays and mathematical modelling	Studenternas hus
1105-1140	Lecture	Achilleas Frangakis	Viewing the cell and its structure	Studenternas hus
1040-1200	Discussion			Studenternas hus
1200-1330	Lunch break			
1330			End of conference	
1400			Mid term review meeting QUASI (invited delegates)	