

BMFZ-MEETING in Düsseldorf, March 25, 2009

“SYSTEMS BIOLOGY”

Program

9.00 h	Welcome note	Guido Reifenberger, Andreas Weber, Düsseldorf
	Session I: Systems-Level ‘Omics’ Technologies and Their Applications	
9.10 h	Functional Proteomics: A cornerstone in systems biology	Sacha Baginsky, Zürich, Switzerland
9.50 h	Pathway analysis of abiotic stress response in <i>Chlamydomonas reinhardtii</i> by integrating quantitative metabolomic and proteomic data	Oliver Fiehn, Davis (CA), USA
10.30 h	Cortical gene expression profiling in spinal cord repair: insight into the complexity of the neural regeneration program	Fabian Kruse, Hans Werner Müller, Düsseldorf
10.45 h	Coffee Break	
11.15 h	Proteomics and metabolomics combined in cardiovascular research	Manuel Mayr, London, UK
11.55 h	Comparative transcriptomics and proteomics to understand intracellular solute transport in plant cells	Andrea Bräutigam, Andreas Weber, Düsseldorf
12.10	Presentation of the Ulrich-Hadding Research Award 2009	Klaus Pfeffer, Prorektor für Strukturentwicklung, Düsseldorf
12.40 h	Lunch Break	
	Session II: Modeling and Network Analysis	
14.00 h	Uncovering aspects of the molecular ecology of intracellular reaction networks	Philippe Bastiaens, Dortmund
14.40 h	Mathematical modeling of TNF signal transduction: Cell populations and TNF resistant cells	Peter Scheurich, Stuttgart
15.20 h	How biological networks affect protein evolution	Martin Lercher, Düsseldorf
15.35 h	Coffee Break	
16.05 h	Information processing through signaling networks - a systems biology approach	Ursula Klingmüller, Heidelberg
16.45 h	Flux control analysis and the systems biology of the eukaryotic cell	Steve Oliver, Cambridge, UK
17.25 h	Modeling of the cross-talk of cytokine-signaling controlling acute phase protein synthesis in primary murine hepatocytes	Johannes Bode, Dieter Häussinger, Düsseldorf
17.40 h	Closing remarks	Andreas Weber, Düsseldorf

Location

Lecture Hall 6 C, Building 26.11.00

Time

March 25, 2009, 9.00 – 17.45 h

Program Committee

Chairperson: A. Weber
D. Häussinger, J. Hegemann, H. W. Müller, G. Reifenberger, L. Schmitt

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Registration

online: <http://www.BMFZ.de> (see BMFZ - Meeting 2009)

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