










WEDNESDAY, September 15<sup>th</sup> 2010

10:30	<b>PROFESSIONAL INFORMATION EVENT</b>  <div style="border: 1px solid white; padding: 5px; display: inline-block; margin: 10px 0;"> <b>REGISTRATION</b> </div>
11:00	
11:30	
12:00	
12:30	
13:00	



13:30	<b>WELLCOME ADRESS</b> Senator Zöllner (angefragt)
-------	---

<b>Session 1</b>	<b>RNA TECHNOLOGIES</b>	<b>Chair: V.A. Erdmann</b>
14:00	Roland Hartmann	<i>Analysis of 6S RNA-derived ultra-short pRNAs from Bacillus subtilis</i>
14:30	Charlotte Förster	<i>The structure of locked nucleic acid duplexes as compared to other backbone-modified helices</i>
15:00	Günter Mayer	<i>Functional nucleic acid architectures through aptamer assembly</i>
15:30 	<b>COFFEE BREAK</b>	
<b>Session 2</b>	<b>CELLULAR STRUCTURES</b>	<b>Chair: M.Wahl</b>
16:00	Markus Landthaler	<i>Decoding post-transcriptional regulatory networks</i>
16:30	Henning Urlaub	<i>Investigation of protein-RNA interactions by UV cross-linking and mass spectrometry</i>
17:00	Michael Sattler	<i>Biomolecular NMR-spectroscopy for structural analysis of protein complexes in solution</i>
17:30	Karla Neugebauer	<i>Global analysis of nascent RNA identifies splicing-specific transcriptional pausing</i>
18:00 	<b>COFFEE BREAK</b>	
<b>Session 3</b>	<b>MOLECULAR MEDICINE</b>	<b>Chair: R. Tauber</b>
18:30	Sofia Depner	<i>Crosstalk of IL-6 and GM-CSF signaling pathways in HaCaT A5 benign tumor keratinocytes</i>
19:00	Ria Baumgrass	<i>Quantitative single cell analysis of transcription factor expression and activation to discover limiting factors for Th cell activation</i>
19:30	Olfert Landt	<i>Emerging Diseases. From Sequence to Diagnosis</i>
20:00 	<b>GET TOGETHER</b> "Pub Quiz" und Party	

THURSDAY, September 16<sup>th</sup> 2010

<b>Session 4</b>	<b>REGULATORY NETWORKS</b>	<b>Chair: H. Seitz</b>
09:00	Fritz Herberg	<i>Functional Analysis of Protein Interaction Networks in vitro and in vivo</i>
09:30	Pascal Braun	<i>Proteome-scale binary map of a plant interactome network</i>
10:00	Sebastiaan Meijnsing	<i>Exploring DNA-protein interactions and their role transcription</i>
10:30 	<b>COFFEE BREAK</b>	
<b>Session 5</b>	<b>CELLULAR SYSTEMS</b>	<b>Chair: T. Hucho</b>
11:00	Tina Romeis	<i>Regulation and function of CDPKs in plant stress signalling</i>
11:30	Bernd Schmeck	<i>Molecular Pathogen-Host Interaction</i>
12:00	Carsten Beta	<i>Cell motility and chemotaxis - studying in vivo protein dynamics with microfluidic tools</i>
12:30 - 14:00 	<b>LUNCH BREAK</b>	
<b>Session 6</b>	<b>SYSTEMS BIOLOGY</b>	<b>Chair: P. Deuffhard</b>
14:00	Nicola Zamboni	<i>Deep phenotyping of genomes by high-throughput metabolomics</i>
14:30	Christina Kiel	<i>Systems Biology analysis of the Epidermal Growth Factor Signal Transduction Pathway: From Structures to Data integration</i>
15:00	Miguel Andrade	<i>Integrating biological concepts into protein-protein interactions using text mining</i>
15:30 	<b>COFFEE BREAK</b>	
<b>Session 7</b>	<b>TECHNICAL BIOLOGY</b>	<b>Chair: F. Bier</b>
16:00	Björn Heynisch	<i>Induction of innate immunity signaling pathways in MDCK cells and their relevance in a bioprocess for influenza vaccine production</i>
16:30	Stefan Kubick	<i>Cell-free Systems: In vitro Translation of Membrane Proteins and Glykoproteins</i>
17:00	Vitor P. M. dos Santos	<i>From Systems to Synthetic Biology: Streamlining and Reprogramming Cellular Behaviour</i>
17:30 	<b>COFFEE BREAK</b>	
<b>Session 8</b>	<b>MODELLING</b>	<b>Chair: M. Vingron</b>
18:00	Susanna Röblitz	<i>Endocrinological Networks: From Data to Mathematical Models</i>
18:30	Judy Armitage	<i>Decision making in bacterial chemotaxis</i>
19:00	Lars Kaderali	<i>Modeling Virus-Host Interactions based on High-Throughput Data</i>
19:30	Hauke Busch	<i>Microarray time series</i>
20:00 	<b>CONFERENCE DINNER</b> (registration required for guests)	

FRIDAY, September 17<sup>th</sup> 2010

<b>Session 9</b>	<b>TECHNICAL TRANSFER</b>	<b>Chair: BioTop</b>
09:30	Holger Erfle	<i>The influence of RNAi screening on systems biology - Observation of a biological system of interest after gene knock-down</i>
10:00	Rondon P. de Mendonça	<i>Identification and analysis of conserved sequences within the 3' untranslated regions of co-expressed transcripts in Trypanosoma cruzi</i>
10:30	Martin Guldenagel	<i>Looking beyond pure plastic: The next generation of advanced cell culture surfaces and biological coatings.</i>
11:00 	<b>COFFEE BREAK</b>	
<b>Session 10</b>	<b>CHEMICAL BIOLOGY</b>	<b>Chair: W. Reutter</b>
11:30	Daniel Varon Silva	<i>Automated Oligosaccharide Synthesis: A Useful Tool for the Synthesis of Homogeneous Glycoproteins and GPI-Anchor Proteins</i>
12:00	Kai Licha	<i>Novel approaches towards bioactive polymers: dendritic poly-glycerols as platform for drug delivery and imaging</i>
12:30	Ronald Frank	<i>Chemical microarrays for chemical biology, functional genomics, drug discovery and medical diagnostics</i>
13:00	Aneta Koseska	<i>Understanding biological mechanisms through synthetic biology: cellular differentiation</i>
13:30 	<b>CLOSING REMARKS</b>	