



WEDNESDAY, 14.08.2013			
10:30 – 13:00	REGISTRATION		
10:30 - 12:30	<b>Professional Information Event</b>	Kai Uwe Bindseil	BioTop BB
		Christiane Hollmann	GlaxoSmithKline
		Jörg Hollidt	in.vent Diagnostica
13:00 - 13:30	WELCOME ADDRESS		
<b>Session 1</b>	<b>SYSTEMS MEDICINE</b>		Babette Regierer
13:30 - 14:00	Lars Kaderali	<i>Modeling Hepatitis C Virus-Host Interactions</i>	
14:00 - 14:30	Neil Swainston	<i>Modelling of human metabolism with the genome-scale metabolic reconstruction Recon 2</i>	
14:30 - 15:00	Zhonghao Yu	<i>Metabolomics studies: from quality control to type 2 diabetes and metformin effect in human</i>	

 **COFFEE BREAK**

<b>Session 2</b>	<b>NON-CODING RNA IN DISEASE AND THERAPY</b>		Ralf Einspanier
15:30 - 16:00	Andreas Keller	<i>The power of miRNAs for the detection of human pathologies</i>	
16:00 - 16:30	Jennifer zur Brügge	<i>miRNA response of immune cells during bacterial infection</i>	
16:30 - 17:00	Sven Klussmann	<i>From bench to bedside - mirror-image aptamers (Spiegelmers) in clinical trials</i>	


 **COFFEE BREAK**

<b>Session 3</b>	<b>MOLECULAR FORENSICS</b>		Sarah Schumacher
17:30 - 18:00	Lutz Roewer	<i>From DNA fingerprints to DNA intelligence – new research fields in forensic biology</i>	
18:00 - 18:30	Heike Göllner-Heibült	<i>With the Weapons of Molecular Biology – The Work of an Expert in Forensic DNA Analysis</i>	
18:30 - 19:00	Jens Dervede	<i>Analyzing multiple interactions of dPGS – a polymeric drug candidate</i>	
ab 19:00	POSTER SESSION WITH  AND 		

THURSDAY, 15.08.2013			
<b>Session 4</b>	<b>PLANT GENOMICS</b>		Suzanne de Bruijn
9:00 - 9:30	Jos Schippers	<i>Signal transduction by reactive oxygen species mediate salt-stress tolerance in rice</i>	
9:30 - 10:00	Ana Maria Benko Iseppon	<i>Transcriptomics of plant early response against environmental stresses</i>	
10:00 - 10:30	Kerstin Kaufmann	<i>Genomics approaches to study gene regulation in plant development</i>	


 **COFFEE BREAK**

<b>Session 5</b>	<b>PLANT BIOTECHNOLOGY</b>		Diego Durantini
11:00 - 11:30	Oliver Ebenhöh	<i>Theoretical aspects of plant energy metabolism</i>	
11:30 - 12:00	Joost van Dongen	<i>Making Sense of Oxygen Sensing - Sensing and signaling of the oxygen availability in plants</i>	
12:00 - 12:30	Tsanko Gechev	<i>Molecular mechanisms of desiccation tolerance in angiosperm plants</i>	

 **LUNCH BREAK**

THURSDAY, 15.08.2013		
<b>Session 6</b>	<b>DIAGNOSTICS and BIOMARKERS</b> Katja Köhler	
13:30 - 14:00	Annika Reinhardt	<i>Immunological Evaluation of Conserved LPS-core Structure of Neisseria meningitidis</i>
14:00 - 14:30	Ulf Landegren	<i>Analyzing proteins and their interactions in cells and plasma samples</i>
14:30 - 15:00	Barbara Sitek	<i>Application of proteomics methods in clinical research</i>

 **COFFEE BREAK**

<b>Session 7</b>	<b>SYNTHETIC BIOSYSTEMS</b> Susanne Hollmann	
15:30 - 16:00	Katrin Messerschmidt	<i>From Cells to Fabrication</i>
16:00 - 16:30	Mark van Passel	<i>Understanding Genome Architecture</i>
16:30 - 17:00	Quiz	

 **COFFEE BREAK**

<b>Session 8</b>	<b>SYSTEMS BIOLOGY</b> Babette Regierer	
17:30 - 18:00	Mattia Zampieri	<i>Large-scale metabolomics and innovative computational analyses in metabolic responses that underly the metabolic adaptation to evolving antibiotic resistance</i>
18:00 - 18:30	Carolyn Lam	<i>Understanding cooperative biodegradation of aromatic pollutants by Pseudomonas reinekei and Achromobacter spanius through combining proteomics and modeling</i>
18:30 - 19:00	Adriano Barbosa	<i>Text-mining approaches to mine biological knowledge for systems biology</i>
19:00 - 19:30	Poster and Quiz Awards	

ab 20:00

	<b>SPEAKERS DINNER</b>
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FRIDAY, 16.08.2012		
<b>Session 9</b>	<b>CELL-FREE SYSTEMS</b> Stefan Kubick	
9:30 - 10:00	Nediljko Budisa	<i>Proteome-wide incorporation of non-canonical amino acids into proteins</i>
10:00 - 10:30	Robert Quast	<i>Site-directed modification of membrane proteins in eukaryotic cell-free systems</i>
10:30 - 11:00	Jürgen Burger	<i>Microfluidics for label-free monitoring of protein binding interactions</i>

 **COFFEE BREAK**

<b>Session 10</b>	<b>NEXT GENERATION BIOTECHNOLOGIES</b> Harald Seitz	
11:30 - 12:00	Paul Saffert	<i>Variations of transfer RNA as a modulator of translational integrity</i>
12:00 - 12:30	Matthias Knappe	<i>Protein dynamics: From high-throughput to in-depth analysis</i>
12:30 - 13:15	Zhou Fang	<i>Transkription factors are co-occupied in T heller cell differentiation</i>
13:15	<b>CLOSING REMARCKS</b>	