

Friday August 30th

12:00	Registration opens
15:00	Opening Remarks [TIVOLI HALL]
Keynotes [TIVOLI HALL]	
15:05	Stuart Kauffmann, CA: <i>Transformations We Must Explore in Systems Biology, Medical Science, Medical Practice and Medical Regulation</i>
15:35	Kim Sneppen, DK: <i>Epigenetics in cis and olfactory differentiation</i>
16:05	Marc Vidal, USA: <i>Interactome networks and human disease</i>
16:35	Pause
Industry keynotes [TIVOLI HALL]	
16:45	Eng Lim Goh (CTO, Silicon Graphics Int.): <i>High dynamic range systems for next generation data-intensive biology and beyond</i>
17:30	Dan Marshak (CSO, Perkin Elmer Inc.): <i>Dynamic Cellular Analysis in High Content Screening</i>
18:00	Klaus Lindpainter (CSO, Thermo Fisher Scientific): <i>Innovation and Science</i>
18:30	Opening Reception

Saturday August 31st

Keynotes [TIVOLI HALL]			
08:30	Gene Myers, GER: <i>Light-Based Systems Biology</i>		
09:00	Wendell Lim, USA: <i>The design principles of cell signaling networks</i>		
09:30	Philippe Bastiaens, DE: <i>Safeguards against autocatalytic activation of RTKs</i>		
10:00	Coffee		
10:30	Parallel Session I [TIVOLI HALL] Metagenomics Henrik Bjørn Nielsen, DK	Parallel Session II [CARSTENSEN HALL] Systems biology - industrial applications Greg Stephanopoulos, USA, and Mikkel W. Pedersen, DK	Parallel Session III [HARLEKIN HALL] Temporal phenomena across biological timescales Felix Naef, CH
12:30	Lunch LUNCHEON I: <i>Turning Data into Insights: Application in Systems Biology</i> , Perkin Elmer Inc. [TIVOLI HALL] LUNCHEON II: <i>Presenting the sbvIMPROVER Network Verification Challeng</i> [CARSTENSEN HALL]		
13:30	Parallel Session IV [TIVOLI HALL] Cancer and Stem Cell Systems Biology Been Neel, USA	Parallel Session V [CARSTENSEN HALL] Physiology based modeling of disease states Hans Westerhoff, NL and James Faeder, USA	Parallel Session VI [HARLEKIN HALL] Metabolomics Chris Newgard, USA and Jens Nielsen, SE
15:30	Coffee		
Keynotes [TIVOLI HALL]			
16:00	Peer Bork, DE: <i>Systemic analysis of the human gut microbiome: Variation, Stratification and association with diseases</i>		
16:30	Alexander van Oudenaarden, NL: <i>Controlling gene expression fluctuations during development</i>		
17:00	Poster session I		

Sunday September 1st
Keynotes [TIVOLI HALL]

08:30	Giulio Superti-Furga, AU: <i>Systems pharmacology and the mechanism of action of clinically approved cancer drugs</i>		
09:00	Ruedi Aebersold, CH: <i>Dynamic protein networks: Analysis and significance</i>		
09:30	Anne-Claude Gavin, DE: <i>Expanding the interaction space; protein-lipids networks</i>		
10:00	Coffee		
10:30	Parallel Session I [TIVOLI HALL] Precision medicine Michael Lee, USA and Janine Erler, DK	Parallel Session II [CARSTENSEN HALL] Systems biology for health care data Søren Brunak, DK	Parallel Session III [HARLEKIN HALL] Network engineering for biotechnology Morten Sommer, DK
12:30	Lunch LUNCHEON: <i>Observing and Describing Cellular Phenotypes - High Content Imaging Tools for Systems Biology</i> , Perkin Elmer Inc. [TIVOLI HALL]		
13:30	Parallel Session IV [TIVOLI HALL] Strategies for modeling biological systems Julio Saez-Rodriguez, UK and Jasmin Fisher, UK	Parallel Session V [CARSTENSEN HALL] Protein Interaction networks Bernd Bodenmiller, CH and Luis Serrano, ES	Parallel Session VI [HARLEKIN HALL] Drug discovery Giulio Superti-Furga, AU
15:30	Coffee		
Keynotes [TIVOLI HALL]			
16:00	Chris Voigt, USA: <i>TBA</i>		
16:30	Norbert Perrimon, USA: <i>Spatial and temporal organization of signaling pathways</i>		
17:00	Excursion		
19:30	Conference dinner		

Monday September 2nd
Keynotes [TIVOLI HALL]

08:30	Mikael Benson, SE: CASyM: <i>A roadmap for the clinical implementation of Systems Medicine</i>		
09:00	Matthias Mann, DK: <i>Very deep and accurate proteome mapping and its use in disease classification</i>		
09:30	Ben Neel, USA: <i>Integrative Functional Genomics of Breast Cancer</i>		
10:00	Coffee		
10:30	Parallel Session I [TIVOLI HALL] Genetic networks Norbert Perrimon, USA	Parallel Session II [CARSTENSEN HALL] Complete cell modeling Jonathan Karr, USA	Parallel Session III [HARLEKIN HALL] Host - pathogen interactions Wendell Lim, USA
12:30	Lunch LUNCHEON I: <i>Thermo Scientific Lunch Seminars (Drs Mann, Linding, Miller)</i> [TIVOLI HALL] LUNCHEON II: <i>Infrastructure for Systems Biology Europe</i> [CARSTENSEN HALL]		
13:30	Parallel Session IV [TIVOLI HALL] Signaling networks Gerard Manning, USA	Parallel Session V [CARSTENSEN HALL] From cells to tissues Rune Linding, DK	Parallel Session VI [HARLEKIN HALL] Very large scale data visualization Sean O'Donoghue, Australia
15:30	Coffee		
	Keynotes [TIVOLI HALL]		
16:00	Bernhard Palsson, DK: <i>Predictive use of metabolic reconstructions</i>		
16:30	Lars Steinmetz, DE: <i>Integrating and characterizing transcriptional networks</i>		
17:00	Poster session II		

Tuesday September 3rd			
Keynotes [TIVOLI HALL]			
08:30	Rama Ranganathan, USA: <i>The Evolutionary 'Design' of Proteins</i>		
09:00	Dana Pe'er, USA: <i>What can you do with 40 dimensions in single cells, mapping development, signal processing and disease</i>		
09:30	Coffee		
10:00	Parallel Session I [TIVOLI HALL] System genetics and imaging Bob Murphy, USA	Parallel Session II [CARSTENSEN HALL] Complex genetic traits Haja Kadarmideen, DK and Elaine Mardis, USA	Parallel Session III [HARLEKIN HALL] Synthetic biology Jay Keasling, USA
Keynote [TIVOLI HALL]			
12:00	Elaine Mardis, USA: <i>The Genomics of Cancer's Evolution</i>		
12:30	Closing ceremony & Introduction of ICSB 2014 [TIVOLI HALL]		