
BRICS forum - Systems Biology for Infection Research and Biotechnology

Monday, 17 March 2014

14:30 Hansjörg Hauser
Dieter Jahn Welcome

Session 1 - Systems Biology of Infectious Diseases

Session Chair: Michael Meyer-Hermann

14:45	Marc Thilo Figge	Keynote: Image-based systems biology of fungal infections
15:30	Philip Tinnefeld	Superresolving nanodomains and counting molecules on dendritic cells
15:55	Esteban Hernandez-Vargas	The effects of aging on viral infection dynamics
16:20	Poster Session 1	
17:20	Marco Van Ham	Targeting immune cell activations at the systems level
17:45	Katrin Dohnt	Characterization of pathogenic <i>Pseudomonas aeruginosa</i> biofilms in urinary tract catheters
18:10	Susanne Engelmann	A proteomics approach to understand physiology and virulence of <i>Staphylococcus aureus</i>
18:35	Benjamin Köhncke Dirk Langemann	Bi2SoN - A Digital Library for Supporting Biomedical Research Mathematical models in life-science applications
19:00	Dinner	

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Session 2 - From Omics Data to Systems Biology

Session Chair: Dieter Jahn

09:00	Karsten Hiller	Keynote: Metabolism and inflammation: What pathways to look at?
09:45	Robert Geffers	Next-Generation Sequencing: novel aspects in personalized medicine
10:10	Rebekka Biedendieck	Omics data for optimization of antibody production in <i>Bacillus megaterium</i>
10:35	Poster Session 2	
11:45	Jana Tillack	Systems biological bricks for understanding diversity of cellular metabolism
12:10	Frank Klawonn	Analysis of time-resolved omics data
12:35	Heike Freese	Population genomics - elucidating the evolution of the marine <i>Phaeobacter</i>
13:00	Lunch	