GCB 2011 - German Conference on Bioinformatics 2011
Weihenstephan
September 7-9, 2011

Preliminary Program

Wednesday, September 7

08:00-08:30  Registration

08:30-08:40  Opening GCB Junior Conference
J. Patrick Pett, Daniel H. Mehnert, Jonas Ibn-Salem, Ole Eigenbrod, Raik Otto, Stephan Knorr, Stina-Stephanie M. Richter and Roland Krause
Identification of shared components of protein complexes

09:00-09:20  Invited Speakers
Eva Vennmann, Nadine Schneider and Matthias Rarey
Discrimination of permanent and transient heterodimers: The real challenge in the classification of protein-protein interactions

09:20-09:40  Florian Erhard and Ralf Zimmer
Detecting outlier peptides in quantitative High-Troughput mass spectrometry

09:40-10:00  Thomas Hoffmann and Iris Antes
Modeling the variable regions of T-Cell Receptors

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Modeling the variable regions of T-Cell Receptors

10:20-10:50  Coffee Break

10:50-11:10  Sebastian Dümcke, Martin Seizl, Nicole Pirkl, Steffanie Etzold, Dietmar Martin and Achim Tresch
One Hand Clapping: Detection of condition-specific Transcription Factor Interactions from genome-wide gene activity Data

11:10-11:30  Matthias Böck, Constanze Schmitt and Stefan Kramer
A Study of Dynamic Time Warping for the Inference of Gene Regulatory Relationships

11:30-11:50  Robert Pesch and Ralf Zimmer
To transfer or not to transfer - Complementing the eukaryotic protein-protein interactome

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12:10-12:30  Alena Mysickova and Martin Vingron
Detection of interacting transcription factors in human tissues using predicted DNA binding affinity

12:30-13:30  Lunch

13:30-13:50  Huy Dinh, Ortrun Mittelsten Scheid and Arndt Von Haeseler
MethColor: a computational approach to uncover DNA methylation heterogeneity

13:50-14:10  Haroon Naeem, Ralf Zimmer and Robert Köffner
Rigorous assessment of gene set enrichment tests

14:10-14:30  Sabine Hug, Daniel Schmidl, Wei Bo Li, Matthias Greiter and Fabian J. Theis
Bayesian Model Selection for Zirconium Processing in the Human Body after Ingestion

14:30-15:50  Michael Schwarzfischer, Carsten Marr, Jan Krumsiek, Philipp S. Hoppe, Adam Filipczyk, Timm Schroeder and Fabian J. Theis
Automated cell quantification allows inference of protein half-life from single cell time-lapse microscopy

14:50-15:10  Martin Preusse, Andreas Kowarsch, Carsten Marr and Fabian J. Theis
mTALOS: Analyzing the tissue-specific regulation of signaling pathways by human and mouse microRNAs

15:10-15:30  Andre Dau and Johannes Krugel
tt-analyze and tt-generate: Tools to Analyze and Generate Sequences with Trained Statistical Properties

15:30-16:00  Coffee Break

16:00-  Welcome Address
Opening Event GCB 2011: 10 Years Bioinformatics Munich (BIM)
Opening Lecture: Pavel Pevzner (UC San Diego): De Novo Sequencing of Antibiotics: Metabolomics Meets Graph Theory

19:00-  Welcome Reception

Thursday, September 8

08:30-08:45  Matthias Mann (MPI Biochemistry, Martinsried)
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http://www.gcb2011.de/program.html