

D2D 2009 schedule

Wednesday (23.9.)

13.00 Registration

13:45 – 14:00 Opening (Fabian Theis)

14.00 – 15.30 Jens Timmer: Identifiability Analysis of Dynamical Models in Systems Biology

15.30 – 16.00 Coffee break

16.00 – 17.00 Session Method development

16.00 – 16.20 Carsten Conradi: discrimination in systems biology: identification of biochemical switches

16.20 – 16.40 Saadia Faisal: Gene/Protein Network Modeling and Identification by Zhegalkin Polynomials

16.40 – 17.00 Steffen Waldherr: Modelling and parameter estimation for heterogeneous cell populations

17.00 –18.00 Poster session

18.00 Dinner

20:00 Get Together

Thursday (24.9.)

8.00 – 9.00 Breakfast

9.15 – 10.45 Ulrike Gaul: Decoding regulatory gene networks – towards a systems biology of development

10.45 – 11.15 Coffee break

11.15 – 12.00 Session Modeling & Methods

11.15 – 11.35 Regina Samaga: The Logic of EGFR/ErbB Signaling: Theoretical Properties and Analysis of High-Throughput Data

11.35 – 11.55 Dominik Wittmann: Spatial analysis of expression patterns predicts genetic interactions at the mid-hindbrain boundary

12.00 Lunch

14.00 – 15.30 G. Ferrari–Trecate: Structural identification of genetic regulatory networks

15.30 – 16.00 Coffee break

16.00 – 17.00 Session Data driven Modeling

16.00 – 16.20 Carsten Marr: A qualitative model of myeloid differentiation

16.20 – 16.40 Zbigniew Rogon: Reverse engineering of gene regulatory networks governing cell-cell communication in the pancreatic cancer microenvironment.

16.40 – 17.00 Ljupčo Todorovski: Inductive process-based modeling of endocytosis from time-series data

17.00 – 18.00 Poster session

18.00 – 20.00 Small Sightseeing tour Freising

20.00 Banquet at the Bräustüberl

Friday (25.9.)

8.00 – 9.00 Breakfast

9.00 – 10.30 Kevin Janes: Identifying single-cell molecular programs by stochastic profiling

10.30 – 11.00 Coffee break

11.00 – 11.40 Session Bioinformatics/Statistics

11.00 – 11.20 Ji Bao: Combination of Multivariate Techniques in the Analysis of High-Throughput Expression Profiling Data

11.20 – 11.40 Christian Bender: Extending pathways with inferred regulatory interactions from microarray data and protein domain signatures

11.40 – 12.00 Concluding remarks/Discussion (Hauke Busch/Fabian Theis)

12.00 Lunch