Workshop Announcement

ODE Modelling in Systems Biology

- Current Methodology and Application Issues -

Freiburg Institute for Advanced Studies
Junior Researcher Conference

University Freiburg
Germany

Sep 19th – Sep 22th, 2017

Tuesday evening - Friday noon

Topics

• Network reconstruction and model discrimination
• Parameter estimation
• Optimization issues
• Numerical aspects
• Uncertainty analysis for parameters and predictions
• Concepts of identifiability and observability analyses
• L1 penalization, sparse models
• Error models
• Benchmarking and performance improvement
• Overcoming of limitations and bottlenecks

and especially:
• Modelling issues occurring in applications

Keynote speakers:

Dr. Andreas Raue, Merrimack Pharmaceuticals, Boston, USA
Dr. Jan Hasenauer, Helmholtz-Center, Munich, Germany
Prof. Jörg Stelling, ETH Zürich, Switzerland
Dr. Alejandro Villaverde, Institute for Marine Research, Vigo, Spain.
Prof. Jens Timmer
Center for Data Analysis and Modelling
Freiburg, Germany

Contact:
Dr. Clemens Kreutz
Center for Systems Biology
Habsburger Str. 49
79104 Freiburg
ckreutz@fdm.uni-freiburg.de

Participants are invited to present methodological topics as well as application issues.

Register at
http://odemodelling.uni-freiburg.de/

Registration deadline:
July 31st, 2017

Further infos and registration:
http://odemodelling.uni-freiburg.de/