

- Preliminary Program -

Day 1	Tuesday	17:00	Registration				
		17:30	Greeting & Overview	Clemens Kreutz	Freiburg	Welcome and organisational questions	
		18:00	Welcome Talk	Jens Timmer	Freiburg	Opening Talk: From <i>Science</i> to the patients' bedside	
		19:00	Poster Session with beer, drinks & pizza				
Day 2	Wednesday	09:00	Talk 1	Joep Vanlier	Freiburg	Basics and overview about methodology applied for ODE modelling	
		09:45	Talk 2	Zoltan Tuza	IST Stuttgart	Optimization based analysis of kinetic ODE models	
		10:00	Break & Group Photo				
		11:00	Talk 3	Jan Hasenauer	Helmholz Center, Munich	Statistical inference for pathways, cell populations and beyond	
		11:45	Talk 4	Christian Tönsing	Freiburg	Sloppiness of ODE models: Impact, origin and remedy	
		12:30	Lunch				
		13:30	Application Issue	<i>Marcel Schilling</i>	DKFZ Heidelberg	Combination of Dynamic Pathway Modeling with Cell Cycle Regulation	
		14:00	Talk 5	Yue Wu	TU Berlin	Randomized numerical method for (S)ODEs with irregular drift coefficients	
		14:45	Coffee break				
		15:15	Application Issue	Julia Katharina Schlichting	ITB Berlin	START model parametrization using count and time series data	
		15:45	Application Issue	Rakesh Pandey	Nat. Inst. Immun., India	Extension and Parameter Estimation for the model of the AppA/PpsR System in <i>Rhodobacter Sphaeroides</i>	
		16:15	Talk 6	Helge Hass	Freiburg	Profile-likelihood based model reduction	
		18:00	Social Event Historical guiding tour through Freiburg				
Day 3	Thursday	09:00	Talk 7	Andreas Raue	Merrimack Pharm., Boston	Application issues from drug development: Where can we push methods harder?	
		09:45	Talk 8	Anne Poupon	INRA/CNRS, Tours	HYPE: a hybrid method for parameter estimation in molecular dynamical systems	
		10:30	Break				
		11:00	Talk 9	Bernhard Steiert	Freiburg	L1-Penalization	
		11:45	Talk 10	Daniel Weindl	Helmholz Center, Munich	Toolboxes for scalable inference	
		12:30	Lunch				
		13:30	Application Issue	Romain Yvinec	INRA/CNRS, Tours	Biased signaling and L1 penalisation: towards a system biology definition of drugs selectivity	
		14:00	Application Issue	Elba Raimundez Alvarez	Helmholz Center, Munich	Modeling of the ErbB signaling pathway to understand the resistance mechanisms to antibody-based therapies in gastric carcinoma	
		14:30	Coffee break				
		15:00	Talk 11	Alejandro Villaverde	IIM-CSIC, Vigo	Structural identifiability of ODE models: analysis, relationships and implications	
		15:45	Talk 12	Clemens Kreutz	Freiburg	A fast and intuitive method for testing parameter identifiability	
		19:00	Conference Dinner Schlossberg Restaurant Dattler http://dattler.de/				
Day 4	Friday	09:00	Talk 13	Jörg Stelling	ETH Zurich	Topology and parameter identification for cellular reaction networks	
		09:45	Talk 14	Paul Stapor	Helmholz Center, Munich	Second order adjoint sensitivity analysis and its application in profile computation for ODE models of biological processes	
		10:30	Coffee break				
		11:00	Talk 15	< To be announced >			
		11:45	Open and solved Application Issues		General discussion, Summary & Conclusions		
		12:15	End of the Workshop				