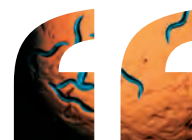


ICSB2011

WORKSHOP PROGRAM



SATURDAY, August 27, 2011 Heidelberg (DKFZ and BioQuant)*

Time	Room	Item	Duration
14:30 - 19:00	BioQuant Room SR44	Workshop 1 Biological CAD Pietro Lio and Giuseppe Nicosia, University of Cambridge, UK and University of Catania, Italy	4:30
14:30 - 19:00	DKFZ Lecture Hall	Tutorial 1 Practical Introduction to the Interference of Regulatory Networks: Toward a Systems Understanding of Cells Frank Emmert-Streib and Ricardo de Matos Simoes, Queen's University Belfast, UK	4:30
14:30 - 19:00	BioQuant/ COS R1	Tutorial 2 PANTHER Classification Systems Version 7 Huaiyu Mi, Anushya Muruganujan and Paul D. Thomas, University of Southern California, Los Angeles, USA	4:30
14:30 - 19:00	BioQuant Room SR41	Tutorial 3 Developing Multi-cell Developmental and Biomedical Simulations using CompuCell3D Maciej Swat, James Patrick Sluka and James Glazier, Indiana University, Bloomington, USA	4:30
14:30 - 19:00	DKFZ Room K1	Tutorial 4 DNA as a Programming Language: a Hands-on Introduction to GenoCAD Jean Peccoud, Virginia Bioinformatics Institute, Blacksburg, USA	4:30
14:30 - 19:00	BioQuant IT Room	Tutorial 5 Basic Modelling and Simulation using COPASI Pedro Mendes, Stefan Hoops, Sven Sahle, Ralph Gauges and Jürgen Pahle, University of Heidelberg, BioQuant, Heidelberg, Germany, University of Manchester, UK and Virginia Bioinformatics Institute, Blacksburg, USA	4:30
14:30 - 19:00	BioQuant Ute Greenier Saal	Tutorial 6 Understanding Biochemical Networks via Time Scale Decomposition Irina Surovtsova, Natalia Simus, Sven Sahle, Ursula Kummer, University of Heidelberg, BioQuant, Heidelberg, Germany	4:30
14:30 - 19:00	BioQuant Room SR42	Tutorial 20 Scaling up from Single Molecules to Multicellular Systems: Modelling over Time and Space with Advanced Petri Net Techniques – Foundations of Advanced Petri Nets Monika Heiner, David Gilbert and Mary Ann Blätke, BTU Cottbus, Germany, Brunel University London, UK and MaCS, Magdeburg, Germany	4:30

*All Workshops take place at BioQuant and DKFZ, Heidelberg. Bus Transfer available on Sunday and Thursday.





WORKSHOP PROGRAM

SUNDAY, August 28, 2011 Heidelberg (DKFZ and BioQuant)*

Time	Room	Item	Duration
09:00 - 11:00	BioQuant/ COS R2	Workshop 12 Challenges in Future Education and Training FutureSysBio, Maria Enge, University of Gothenburg, Sweden	2:00
09:00 - 13:30	BioQuant Room SR43	Workshop 2 Qualifying Physiological Models for Use in Pharmaceutical Discovery and Development Christina Friedrich, Rosa & Co., LLC San Francisco, U.S.A.	4:30
09:00 - 13:30	BioQuant Ute Greenier Saal	Workshop 3 EU Collaborative Research in Systems Biology: Success Stories & Funding Opportunities Christina Kyriakopoulou and Bernard Mulligan, Health Directorate, Directorate General for Research & Innovation, European Commission, Brussels, Belgium	4:30
09:00 - 13:30	DKFZ Room K1	Tutorial 7 Structural and Functional Analysis of Cellular Networks with CellNetAnalyzer and ProMoT Sebastian Mirschel, Jeremy Huard, Katrin Kolczyk, Julio Saez-Rodriguez and Steffen Klamt, MPI Magdeburg, Germany	4:30
09:00 - 13:30	DKFZ Lecture Hall	Tutorial 8 Machine Learning for Systems Biology Saso Dzeroski, Jozef Stefan Institute, Ljubljana, Slovenia	4:30
09:00 - 11:00	BioQuant Room SR41	Tutorial 9 Matlab Toolbox PotterWheel 2.1: Mathematical Modeling Advanced Parameter Estimation Thomas Maiwald, Harvard Medical School Boston, USA	2:00
09:00 - 13:30	BioQuant Room SR42	Tutorial 10 Modeling Heterogenous Cell Populations Jan Hasenauer, Steffen Waldherr, Mustafa Khammash and Frank Allgöwer, Stuttgart University, Germany and University of California, Santa Barbara, USA	4:30
09:00 - 13:30	BioQuant Room SR44	Tutorial 11 Injectivity and Multistationarity in Biochemical Reaction Networks Hans-Michael Kaltenbach and Irene Otero-Muras, ETH Zurich, Switzerland	4:30
09:00 - 13:30	BioQuant IT Room	Tutorial 12 Principles of Advanced Parameter Estimation for Models from Systems Biology Andreas Raue, Fabian Theis and Marcel Schilling, University of Freiburg, Germany, HZ München, Germany, DKFZ, Heidelberg, Germany	4:30
11:30 - 13:30	BioQuant Room SR41	Tutorial 13 Cell Designer: a Process Diagram Editor for Gene-regulatory and Biochemical Networks Akira Funahashi and Noriko Hiroi, Keio University, Japan	2:00
09:00 - 13:30	BioQuant/ COS R1	Tutorial 21 Scaling up from Single Molecules to Multicellular Systems: Modelling over Time and Space with Advanced Petri Net Techniques. Further Advanced Petri Nets Monika Heiner, David Gilbert and Mary Ann Blätke, BTU Cottbus, Germany, Brunel University London, UK and MaCS, Magdeburg, Germany	4:30

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WORKSHOP PROGRAM

THURSDAY, September 1, 2011 Heidelberg (DKFZ and BioQuant)*

Time	Room	Item	Duration
15:00 - 19:30	BioQuant Room SR41	Workshop 4 Systems Biology to Personalize Medication and to Find Novel Drug Candidates David Balding, UCL Genetics Institute, London, UK	4:30
15:00 - 19:30	BioQuant Room SR44	Workshop 5 Standardized Model Description Language for Multi-cellular Simulations Niels Grabe and Thomas Sütterlin, Hamamatsu TIGA Center, University of Heidelberg, BioQuant, Heidelberg, Germany, Maciej Swat, James Patrick Sluka and James Glazier, Indiana University, Bloomington, USA	4:30
15:00 - 19:30	BioQuant Room SR43	Workshop 6 At the Interface Between Systems Biology and Synthetic Biology: the Conceptualization of Modularity Kathleen Marchal, Jeroen Raes, Nico Boon, Jean-Pierre Hernalsteens, Henri De Greve, Daniel Charlier and Natalie Leys, Katholieke Universiteit Leuven, Belgium	4:30
15:00 - 17:00	DKFZ Room K2	Tutorial 14 Open Access Publishing in Systems Biology - an Introduction Paul Schultze-Motel, Helmholtz Association, Potsdam, Germany	2:00
15:00 - 19:30	BioQuant Room SR42	Tutorial 15 Reaction Network Theory for Systems Biology Carsten Conradi and Hans-Michael Kaltenbach, MPI Magdeburg, Germany, and ETH Zurich, Switzerland	4:30
15:00 - 19:30	BioQuant/ COS R1	Tutorial 16 Engineering Genetic Circuits with iBioSim Chris Myers, University of Utah, Salt Lake City, USA	4:30
15:00 - 19:30	BioQuant/ COS R2	Tutorial 17 Stochastic and Deterministic Spatial Modeling using VCell Ion I. Moraru and James C. Schaff, University of Connecticut, Farmington, USA	4:30
15:00 - 19:30	BioQuant IT Room	Tutorial 18 Advanced Modeling and Simulation using COPASI Ursula Kummer, Sven Sahle, Stefan Hoops, Ralph Gauges and Jürgen Pahle, University of Heidelberg, BioQuant, Heidelberg, Germany	4:30

*All Workshops take place at BioQuant and DKFZ, Heidelberg. Bus Transfer available on Sunday and Thursday.



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WORKSHOP PROGRAM



FRIDAY, September 2, 2011 Heidelberg (DKFZ and BioQuant)*

Time	Room	Item	Duration
09:00 - 19:00	BioQuant Room SR44	Workshop 5 Standardized Model Description Language for Multi-cellular Simulations Niels Grabe, Thomas Sütterlin, Maciej Swat, James Patrick Sluka and James Glazier, Hamamatsu TIGA Center, University of Heidelberg, BioQuant, Heidelberg, Germany and Indiana University, Bloomington, USA (continued from Thursday, September 1, 2011)	10:00
09:00 - 13:30	BioQuant Room SR42	Workshop 7 Systems Genetics: from Statistical Genetics to Mechanistic Models in Systems Biology Julien Gagneur, Andreas Beyer and Oliver Stegle, EMBL Heidelberg, Germany	4:30
09:00 - 19:00	BioQuant Room SR41	Workshop 8 Microscopic Image Analysis with Applications in Biology Karl Rohr, Jens Rittscher, Stephen Lockett, Hanchuan Peng and Christophe Zimmer, University of Heidelberg, BioQuant, Heidelberg, Germany	10:00
09:00 - 19:00	BioQuant IT Room	Workshop 9 Integration of Omics Data Into Metabolic Pathway Analysis Rainer König, Christoph Kaleta, Martin Kötzing, Sascha Schäuble and Stefan Schuster, German Cancer Research Center (DKFZ) Heidelberg, Germany	10:00
09:00 - 19:00	BioQuant Room SR43	Workshop 10 Towards a Holistic Conception of Life? Epistemic Presumptions and Socio-cultural Implications of Systems Biology Martin Döring, Karen Kastenhofer, Regine Kollek and Helge Torgersen, Hamburg University, Germany	10:00

*All Workshops take place at BioQuant and DKFZ, Heidelberg. Bus Transfer available on Sunday and Thursday.

