



Jena School for Microbial Communication



# JSMC/JCB Workshop

## *'Microbes, Models & Methods'*

March 9 – 10, 2010

**University Main Building, Fürstengraben 1, Jena  
Main Lecture Hall "Aula"**

*with the Graduate Research School in Genomic Ecology (GENECO), University of Lund, Sweden*



*furthered by the Beutenberg Campus e.V.*



## Tuesday, March 9, 2010

- 9:00 **Brief Introduction GENECO, JCB, and JSMC**  
**Karin Rengefors, Stefan Schuster, Axel Brakhage**
- 9:45 **Douwe Molenaar**, Vrije Universiteit Amsterdam, The Netherlands  
*"The physical limits that shape life"*
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- vrije Universiteit amsterdam
- 10:15 **Jörg Linde**, Research Group Systems Biology/Bioinformatics, Hans Knöll Institute  
*"Regulatory network modelling of iron acquisition by a fungal pathogen during oral Infection"*
- 10:35 Coffee Break**
- 11:05 **Ekaterina Shelest**, Research Group Systems Biology/Bioinformatics, Hans Knöll Institute  
*"Genome mining for transcription factors and secondary metabolite producers in fungi"*
- 11:30 **Michael Weber**, Reinhard Guthke, Hans Knöll Institute, **Raimund Kinne**, Experimental Rheumatology Unit, FSU Jena  
*"Network inference from transcriptome monitoring of the response of synovial fibroblasts from rheumatoid arthritis and osteoarthritis patients to TNF-alpha and TGF-beta "*
- 12:00 Lunch Break**
- 13:00 **Poster Session** (University Main Building, Foyer 1<sup>st</sup>+2<sup>nd</sup> floor)
- 14:00 **Jürgen Sühnel**, Leibniz Institute for Age Research, FLI Jena  
*"GenColors: annotation and comparative genomics of prokaryotes made easy"*
- 14:25 **Sarah Werner**, Department of Bioinformatics, FSU Jena  
*"A complex model of the communication processes between Mucorales"*
- 14:45 **Sabine Brantl**, Institute of Microbiology, FSU Jena  
*"Small regulatory RNA SR1: The first dual-function sRNA from Bacillus subtilis"*
- 15:10 **Thomas Schulze**, Institute of General Botany and Plant Physiology, FSU Jena  
*"Functional characterization of the eyespot protein SOUL3 in Chlamydomonas reinhardtii"*
- 15:30 Coffee Break**
- 16:00 **Karin Rengefors**, Department of Ecology/Limnology, Lund University, Sweden  
*"Processes generating biogeographic patterns in microorganisms: local adaptation and genetic divergence in Antarctic aquatic protists (Dinophyceae)"*
- 16:30 **Catherine Legrand**, Marine Ecology Group, Linnaeus University Kalmar, Sweden  
*"Impact of algal allelochemicals in algal-bacteria interactions"*
- 17:00 **Georg Pohnert**, Institute of Inorganic and Analytical Chemistry, FSU Jena  
TBA
- 17:25 **Poster Session with refreshments**

### Wednesday, March 10, 2010

- 9:00 **Anders Tunlid**, Department of Microbial Ecology, Lund University, Sweden  
*"How to kill a nematode – interaction between nematode-trapping fungi and nematodes"*
- 9:30 **Jure Piškur**, Department of Cell and Organism Biology, Lund University, Sweden  
*"Formation of novel chromosomes as a virulence mechanism in yeast Candida glabrata"*
- 10:00 **Dirk Hoffmeister**, FSU Jena, Associated Department for Pharmaceutical Biology, Hans Knöll Institute  
*"Pigment formation in boletoid homobasidiomycetes"*
- 10:25 *Coffee Break*
- 10:50 **Kerstin Voigt**, Fungal-Reference-Center Jena, FSU Jena  
*"Ups and Downs in the finalization of a comprehensive fungal phylogeny"*
- 11:15 **Erika Kothe**, Institute of Microbiology, FSU Jena  
*"Microbial communities at heavy metal contaminated sites"*
- 11:40 **Dennis Görlich, Peter Dittrich**, Institute of Computer Science, Bio Systems Analysis Group, FSU Jena  
*"Accessing the semantic level of cells"*
- 12:10 **Udo Hahn**, Jena University Language & Information Engineering Lab (JULIE-Lab)  
TBA
- 12:35 *End (+ another opportunity to look at the posters)*

***Guests are cordially welcome!***

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#### Contact

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