

# SYMPOSIUM: Independent Junior Group Leader in Systems Biology

**Wednesday, April 13, 2011**

Max Delbrück Communications Center, Axon 2, Robert-Rössle-Str. 10, 13125 Berlin

- 09:10** Introduction by Nikolaus Rajewsky
- 09:25** Ulf Andersson Ørom, Thomas Jefferson University, Philadelphia  
Long non-coding RNA and enhancers in transcriptional networks
- 09:55** Malgorzata Borowiak, Harvard University & Harvard Stem Cell Institute, Cambridge  
Directing mouse and human embryonic stem cells differentiation towards pancreatic beta cells
- 10:25** Till Bartke, Wellcome Trust/CRUK Gurdon Institute, University of Cambridge  
Nucleosome-interacting proteins regulated by DNA and histone methylation
- 10:55** Coffee break
- 11:15** Baris Tursun, Columbia University Medical Center, New York  
Direct reprogramming of cellular identities
- 11:45** Sabine Löwer, Children's Hospital Boston, Boston  
New kids on the block: Non-coding RNAs in cellular reprogramming
- 12:15** Natalia Soshnikova, University of Geneva, Geneva  
Epigenetic regulation of transcription in development and disease
- 12:45** Lunch break
- 13:45** Thomas Sandmann, German Cancer Research Center, Heidelberg  
The social networks of genes - revealing regulatory mechanisms through functional interaction mapping
- 14:15** Christoph Bock, Broad Institute and Harvard University, Cambridge  
Understanding epigenome (de-)regulation by high-throughput sequencing and bioinformatic modeling
- 14:45** Coffee break
- 15:05** Stefan Ameres, University of Massachusetts Medical School, Worcester  
Target RNA-directed tailing and trimming of small silencing RNAs - mechanism, biology and application of a small RNA decay pathway
- 15:35** Pedro Beltrao, University of California, San Francisco  
Evolution of cellular interaction networks