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