Thursday, 28 June 2012

07:30  Departure with bus shuttle from MDC Campus to Hotel Doellnsee

09:00 – Registration + Coffee

09:45 – 10:00  Nikolaus Rajewsky (MDC) / Klaus Rajewsky (MDC)
               Welcome & Thesis Presentation

Session I – Systems Biology

Session Chair: N. Rajewsky

10:00 – 11:00  Fabio Piano (New York University)
               Genetic networks in development and evolution

11:00 – 12:00  Stephen Cohen (Institute of Molecular and Cell Biology, Singapore)
               Genetic dissection of microRNA functions

12:00 – 12:20  Coffee Break

12:20 – 12:55  Nikolaus Rajewsky (MDC)
               Gene regulation by small RNAs and RNA binding proteins

12:55 – 13:15  Alex Löwer (MDC)
               We are all individuals: The importance of studying heterogeneity in single cells

13:15 – 15:00  Lunch break

Session Chair: M. Landthaler

15:00 – 15:20  Markus Landthaler (MDC)
               The mRNA-proteome and its global occupancy profile on protein-coding transcripts

15:20 – 15:40  Filippos Klironomos (Theoretical Physics, University of Cologne)
               How to model post-transcriptional regulation and get away with it

15:40 – 16:00  Coffee break

16:00 – 16:35  Norbert Hübner (MDC)
               Systems Genetics – genetic dissection of quantitative molecular and cardiometabolic phenotypes

16:35 – 16:55  Nils Blüthgen (Charité)
               Systematic quantification of feedback regulation in EGFR signal transduction

17:00  Group photo Session

from 19:00  Dinner
Session II – Mouse Genetics & Cancer

Session Chair: K. Rajewsky

08:30 – 09:30 Allan Bradley (WTS Institute, Cambridge, UK)
Genetic screens in embryonic stem cells

09:30 – 10:30 Neal Copeland (MHR Institute, Houston, Texas)
Harnessing transposons for cancer gene discovery

10:30 – 10:50 Coffee Break

10:50 – 11:25 Claus Scheidereit (MDC)
Experimental and computational analysis of regulatory nodes in NF-kappaB signalling

11:25 – 12:00 Klaus Rajewsky (MDC)
Mouse models of oncogene cooperation and miRNA control

12:00 – 14:00 Lunch Break

Session Chair: M. Reth

14:00 – 14:20 Matthias Merkenschlager (MRC London)
Global analysis of transcription factor targets in the context of B cell lineage specification and progression identifies Ikaros proteins as drivers of pre-B cell differentiation

14:20 – 14:40 Dean Felsher (Stanford University)
Modeling and predicting oncogene addiction

14:40 – 15:00 Matthew Poy (MDC)
The regulatory role of Argonaute2 in the pancreatic β-cell secretome

15:00 – 15:20 Coffee Break

15:20 – 16:20 Michael Reth (MPI Freiburg)
Synthetic biology of receptor signaling

17:00 – 20:00 Archery (“Bogenschiessen”)

20:00 Dinner
Saturday, 30 June 2011

Session III – Mouse Genetics, Synthetic Biology & Diseases
Session Chair: U. Ohler

09:00 – 10:00  
**Uwe Ohler (Duke University/MDC)**  
Deciphering human transcription regulation: from individual sites to cell type expression

10:00 – 10:20  
Coffee Break

10:20 – 10:55  
**Carmen Birchmeier (MDC)**  
Nrg1 signaling, mRNA translation and myelination

10:55 – 11:30  
**Thomas Willnow (MDC)**  
Mathematic modeling of amyloidogenic processing in Alzheimer’s disease

11:30 – 12:00  
**Panel Discussion**

from 12:30  
Lunch

14:30  
Departure with bus shuttle from Hotel Doellnsee to MDC Campus