

Thursday, 8 October 2009

8:30 - Registration & Coffee

Session I (Chair: Matthias Selbach)

09:00 – 09:15 am **Nikolaus Rajewsky & Matthias Selbach**
Welcome

09:15 – 10:15 am **Thomas F. Meyer, MPI for Infection Biology, Berlin**
Approaches towards a holistic understanding of infection

10:15 – 10:30 am Coffee Break

10:30 – 11:30 am **Enrico G. Petretto, Imperial College, London**
Integrative genomics approaches in the rat: unlocking the genetic basis of complex traits

11:30 – 12:30 am **Stephen Small, NYU, New York**
The morphogen hypotheses and anterior-posterior body patterning in drosophila

Lunch break

Session II (Chair: Stefan Kempa)

2:00 – 3:00 pm **Invited Short Talks**

2:00 – 2:15 pm **Hsiao-Lan Liang, NYU, New York**
The zinc finger protein Zelda plays a key role in the maternal-to-zygotic transition in drosophila

2:15 – 2:30 pm **Aviv Madar, NYU, New York**
Inferring topology and dynamical properties of genome-wide regulatory networks

2:30 – 2:45 pm **Thomas Manke, MPI for Molecular Genetics, Berlin**
A complex Bach1 regulatory network controls cellular balance of heme and response to oxidative stress

2:45 – 3:00 pm **Pal Westermarck, Humboldt University, Berlin**
Extracting information from bioluminescence data: quantifying the circadian clock

3:00 – 3:15 pm Coffee break

3:15 – 4:15 pm **Edwin Cuppen, Hubrecht Institute, Utrecht**
Possibilities and limitations of digital gene expression profiling of small RNAs

4:15 – 5:15 pm **Gunnar Rätsch, FML, Tübingen**
Novel methods for computational transcriptome analysis

5:15 – 6:15 pm **Frank C. Schröder, Cornell University, Ithaca**
Worm chemical biology: lessons from small molecules

Friday, 9 October 2009

8:30 - Registration & Coffee

Session III (Chair: Markus Landthaler)

09:00 – 10:00 am **Claude Desplan, NYU, New York**
Noise and robustness in sensory receptors

10:00 – 11:00 am **Julius Brennecke, IMBA, Vienna**
The piRNA pathway in drosophila: an RNA based genome immune system

11:00 – 11:15 am Coffee Break

11:15 – 12:15 am **Alexander Stark, IMP, Vienna**
Comparative genomics and gene regulation in drosophila

Lunch Break

Session IV (Chair: Christoph Dieterich)

2:00 – 3:00 pm **Fabio Piano, NYU, New York**
Developmental networks in C. elegans early embryogenesis

3:00 – 4:00 pm **Kris Gunsalus, NYU, New York**
Toward an encyclopedia of 3'UTRs in C. elegans

4:00 – 4:15 pm Coffee Break

4:15 – 5:15 pm **Richard Bonneau**
Learning regulatory networks: from modules to dynamics

5:15 – 6:15 pm **Mark Siegal**
Phenotypic robustness and network centrality in yeast

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