

SYMPOSIUM: Independent Junior Group Leader in Systems Biology

Max Delbrück Communications Center, Axon 1, Campus Berlin-Buch

Tuesday, May 29, 2012

- 09:00 **Welcome by Nikolaus Rajewsky**
- 09:10 **Marina Chekulaeva**, Friedrich Miescher Institute for Biomedical Research, Basel
Exploring multiple mechanisms of miRNA function: Current models and beyond
- 09:40 **Robert Zinzen**, European Molecular Biology Laboratory, Heidelberg
Tissue specific control of gene expression in development
- 10:10 **Pablo Navarro Gil**, MRC Centre for Regenerative Medicine, University of Edinburgh, Edinburgh
Transcriptional regulation and information processing in embryonic stem cells
- 10:40 **coffee break**
- 11:00 **Zhike Zi**, Centre for Biological Signalling Studies, University of Freiburg, Freiburg
Systems Biology of TGF-beta Signaling Dynamics
- 11:30 **Pavel Sumazin**, Center for Computational Biology and Bioinformatics, Columbia University, New York
RNA regulatory networks help propagate the effects of genetic alterations

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- 09:00 **Welcome by Nikolaus Rajewsky**
- 09:10 **Michaela Frye**, Wellcome Trust Centre for Stem Cell Research, University of Cambridge, Cambridge
Cytosine-5 RNA methylation pathways in skin
- 09:40 **Arminja Kettenbach**, Norris Cotton Cancer Center, Dartmouth Medical School, Lebanon
Deciphering mitotic kinase signaling by quantitative phosphoproteomics
- 10:10 **Raju Tomer**, Howard Hughes Medical Institute, Janelia Farm Research Campus, Ashburn
Reconstructing animal development and evolution
- 10:40 **coffee break**
- 11:00 **Timothée Lionnet**, Albert Einstein College of Medicine, New York
Probing transcription regulation in live cells, one mRNA at a time
- 11:30 **Jan Medenbach**, European Molecular Biology Laboratory, Heidelberg
Probing the complexity and regulation of eukaryotic translation initiation