

RNA: Networks & Imaging

Symposium of the
DFG Research Training Group 886



April 5 to 7, 2006
Kirchhoff-Institut für Physik
Universität Heidelberg



Speakers

John Mattick (Brisbane)
Robert Martienssen (Cold Spring Harbor)
Witold Filipowicz (Basel)
Gunter Meister (München)
Andrew Fraser (Cambridge)
Michael Boutros (Heidelberg)
Robert Singer (New York)
Tom Jovin (Göttingen)
Peter Cook (Oxford)
Ralf-Peter Jansen (München)
Jan Ellenberg (Heidelberg)
Ulf Landegren (Uppsala)

Organizers

Karsten Rippe, KIP, Heidelberg
Marc Kenzelmann, DKFZ, Heidelberg
Meinhard Hahn, DKFZ, Heidelberg

Registration and Information

<http://rna-imaging.uni-hd.de>

Attendance is free but you need to register
and arrange for your own accommodation.

Deadline poster abstracts: March 20, 2006

About the Meeting

The activity of coding and non-coding RNAs is a central topic of molecular biology. The symposium will bring together expert speakers on regulatory RNA networks and quantitative imaging/molecular interaction analysis. They will cover the topic from various perspectives in a series of lectures. These will include a presentation of exciting findings from their recent research activities along with a detailed introduction and review of the field.

Supporting Organizations

MolTools EU FP6 Program
SFB/Transregio 5 Heidelberg-München
NGFN - Nationales Genomforschungsnetz
BMM Network Heidelberg
BIOQUANT Heidelberg
Gesellschaft für Genetik

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Program

Wednesday, April 5

14:30-16:30	Registration
14:30-16:30	Poster session at the KIP foyer. The posters will be available throughout the meeting for viewing and discussions.
16:30-18:00	<i>The hidden layer of digital RNA signaling in complex organisms</i> John Mattick
18:00-19:30	Transregio 5 Lecture: <i>RNA meets chromatin</i> Robert Martienssen
19:30	Snacks & refreshments

Thursday, April 6

8:30-10:00	<i>Biochemistry and function of RNA interference and micro-RNAs</i> Witold Filipowicz
10:00-10:30	Coffee break
10:30-12:00	<i>Biochemical and functional charac- terization of small RNA containing protein complexes</i> Gunter Meister
12:00-13:30	Lunch break
13:30-15:00	<i>Mapping genetic interactions in the worm using RNAi</i> Andrew Fraser
15:00-16:30	<i>Genome-wide Approaches to Dissect Cellular Signaling by RNAi</i> Michael Boutros
16:30-17:00	Coffee break
17:00-18:30	<i>RNA expression and movement in single cells</i> Robert Singer
19:30	Speakers Dinner

Friday, April 7

8:30-10:00	<i>Fluorescence spectroscopy in the microscope to probe protein activi- ties in vivo</i> Tom Jovin
10:00-10:30	Coffee break
10:30-12:00	<i>A model for all genomes: the role of transcription</i> Peter Cook
12:00-13:30	Lunch break
13:30-15:00	<i>Imaging of mRNAs in the cyto- plasm of living cells</i> Ralf-Peter Jansen
15:00-16:30	<i>Microscopy-based RNAi screening and quantitative imaging of chro- mosome structure to identify and define the function of mitotic genes</i> Jan Ellenberg
16:30-17:00	Coffee break
17:00-18:30	<i>In situ analyses of individual and complexes of DNA, RNA, and protein molecules</i> Ulf Landegren