



EuroDYNA
A **EUROCORES** PROGRAMME
EUROPEAN SCIENCE FOUNDATION COLLABORATIVE RESEARCH

Dynamic Nuclear Architecture and Chromatin Function

First EuroDYNA Conference, 22 - 24 September 2005

Thun – Switzerland

Programme

Thursday 22 September 2005

18:30 *Welcome reception*

19:30 *Introduction* (Astrid Lunke, EuroDYNA Programme Coordinator and Colin Logie, Chair of Scientific Committee)

20:00 **Jan Michael Peters**, Research Institute of Molecular Pathology, Vienna, Austria
Cohesin and condensin complexes

Friday 23 September 2005

Session 1

Chair: René Ketting

09:00 **David Shore**, Department of Molecular Biology, University of Geneva, Switzerland
Dynamic and global effects of environmental stress on nuclear architecture, chromatin structure and gene expression in yeast

09:30 **Gunther Dollinger**, Universität der Bundeswehr München, Neubiberg, Germany
Microirradiation of live cells by energetic ions

09:50 **Simon Becker-Jensen**, Danish Cancer Society, Copenhagen, Denmark
Investigating the spatio-temporal properties of the DNA damage response

10:10 *Coffee break*

Session 2

Chair: David Shore

- 10:30 René Ketting**, Netherlands Institute for Developmental Biology, Utrecht, Netherlands
Gene silencing by small RNAs
- 11:00 Angela Krämer-Bilbe**, Department of Cell Biology, University of Geneva, Switzerland
Cell biology of messenger RNA biogenesis
- 11:30 Margarida Henriques da Gama Carvalho**, Institute of Molecular Medicine, University of Lisbon, Portugal
Genomewide identification of mRNA molecules associated with the nucleocytoplasmic shuttling splicing factors U2AF⁶⁵ and PTB

11:50-14:00 Poster session and lunch

Session 3

Chair: Herbert Lindner

- 14:00 Pavel Kovarik**, Institute of Microbiology and Genetics, University of Vienna, Austria
P38 MAP kinase in regulation of transcription factors, cofactors and nuclear structure
- 14:30 Niels Galjart**, Department of Cell Biology and Genetics, Erasmus University, Rotterdam, Netherlands
Development of tools to catch CTCF in action
- 15:00 Herbert Lindner**, Department of Medical Chemistry and Biochemistry, University of Innsbruck, Austria
The role of linker histone variants and their phosphorylation in chromatin structure and function

15:30 Coffee break

Session 4

Chair: Pavel Kovarik

- 15:50 Colin Logie**, Department of Molecular Biology, University of Nijmegen, Netherlands
Transcription unit orientation and chromosome topology
- 16:20 John van Noort**, Physics of Lyon Processes – LION, Leiden University, Netherlands
Chromatin higher order dynamics: a single molecule approach
- 16:40 Conference ends**
- 17:30 Scientific Committee meeting** (for Project Leaders only)
- 20:00 Conclusions of Scientific Committee meeting/ feedback to conference attendees on networking activities of EuroDYNA** (Colin Logie)
- 20:30 Dinner**

Saturday 24 September 2005

Departure of participants