

Program for the first SPP 1129 Meeting in Berlin 15. – 17.11.2002

Conference Venue: Tagungsstätte der Max-Planck-Gesellschaft, Harnack-Haus, Berlin-Dahlem

1. SPP 1129 Meeting on “Epigenetics”

Friday 15.11.02

Arrival until 12:30 and registration.

Session I: *Genomic Imprinting and Disease* **Location: Sitzungsaal 1**

Chairperson: Ingo Hansmann

13:00 Welcome address by the DFG: Frau Dr. Schmidtman

13:15 Karin.Buiting: Imprinting in Prader-Willi and Angelman syndromes

13:45 Dirk Prawitt: Beckwith-Wiedemann syndrome and associated tumors – Identification of factors essential for imprinting mechanisms

14:15 Martina Paulsen: Comparative analysis of different imprinting domains in mouse

14:45 - 16:30 Project discussion Session I and Coffee Break

Session II: *Epigenetic Control of Transcription* **Location: Sitzungsaal 1**

Chairperson: Heinrich Leonhardt

16:30 Ingrid Grummt: The nucleolar remodeling complex NoRC silences ribosomal gene transcription

17:00 Reinhard Dammann: Epigenetic inactivation of the promoter CpG island of the RASSF1A tumor suppressor gene in carcinogenesis

17:30 - 18:00 Projekt Discussion Session II

Dinner 18:15- 19:30

Session III: *Plant-Epigenetics/RNAi* **Location: Sitzungsaal 1**

Chairperson: Peter Meyer

19:30 Wolfgang. Nellen: Distinct, overlapping, pathways for PTGS by RNAi and antisense RNA

- 20:00 Michael. Wassenegger: Biochemical characterisation of RNA-directed DNA methylation (RdDM)
- 20:30 Paul Christou: DNA methylation, transposons and transgene expression
- 21:00 – 21:30 *Project Discussion Session III*

Saturday 16.11.02

Session IV: *Epigenetic Reprogramming* **Location: Goethesaal**
(held together with the SPP 1109)

Chairperson: Phil Avner

- 8:30 Hans Schöler, (Philadelphia)
Gene function and regulation in pluripotent stem cells of the mouse
- 9:00 Jörn Walter (Saarbrücken)
Epigenetic reprogramming in the germ line
- 9:30 Heiner Niemann (Hannover): Effect of donor cell on reprogramming and embryonic gene expression patterns in cloned embryos
- 10:00 Christoph Viebahn (Halle): Mitochondrial epitopes in embryonic germ cells
- 10:30-11:00 Coffee break
- Chairperson:** Bernhard Horsthemke
- 11:00 Eckhard Wolf (München): Abnormalities of bovine nuclear transfer clones - evidence for abnormal epigenetic reprogramming
- 11:30 Thomas Haaf (Mainz): Aberrant Methylation Reprogramming in early Mammalian Embryos
- 12:00 Richard Meehan (Edinburgh)
Are all MeCP/MBD's equal?
- 12:30 Wolf Reik (Cambridge, UK),
Imprinting and epigenetic reprogramming in mammalian development
- 13:00-14.00 Lunch
- 14.00-18.00 *Project Discussion Session IV*
and free afternoon for informal discussions/group meetings
- 18.00-19:30 Dinner

Session V: Mechanisms of epigenetic control: DNA-Methylation

Location: Sitzungsaal 1

Chairperson: Constanze Bonnifer

- 19:30 Frank Lyko: Functional analysis of DNA methylation in Drosophila
- 20:00 Albert Jeltsch: Biochemistry and biological function of mammalian Dnmt1
- 20:30 Cristina Cardoso: Dynamics of DNA Replication
- 21:00-21:30 *Project Discussion Session V*

Sunday, 17.11.02

Session VI: Mechanisms of epigenetic control: Chromatin structure alterations

Location: Sitzungsaal 1

Chairperson: Joachim Klose

- 9:00 Juerg. Müller: A genetic screen to identify new Polycomb group genes in Drosophila
- 9:30 Harald Saumweber. Title pending
- 10:00 Ann Ehrenhofer-Murray: SAS-I and CAF: A link between histone acetylation and chromatin assembly
- 10:30 Gunter Reuter: Control of epigenetic maintenance of heterochromatic gene silencing in Drosophila
- 11:00 *Project Discussion Session VI*
- 11:45 Lunch
- 12:30 – 14:00 *Final round table discussion*

Departure