Monday, September 2nd

15:00 Arrival time, check in - Hotel, Registration

16:00 Welcome, Introduction

Rainer Renkawitz

Justus-Liebig-University Giessen

Germany

HISTONE METHYLATION

Chair: Uta-Maria Bauer

16:15 - 16:35 Enhancer marking and regulation during development and in disease

Ali Shilatifard

Stowers Institute for Medical Research

United States of America

16:40 - 17:00 Regulation of heterochromatin by histone methyltransferases

Gunnar Schotta

Adolf-Butenandt-Institute-Molecular Biology

Germany

17:05 – 17:25 Novel modifications - novel players in chromatin function

Robert Schneider

Institut de Génétique ET de Biologie Moléculaire ET Cellulaire

France

17:30 Coffee Break

EPIGENETIC INHERITANCE

Chair: Raymond Poot

18:00 - 18:20 Chromatin replication and epigenome maintenance

Anja Groth

BRIC, University of Copenhagen

Denmark

18:25 - 18:45 **Epigenetic memory in regeneration and cancer**

Renato Paro

Department of Biosystems Science and Engineering (D-BSSE)

Switzerland

18:50 - 19:10 Investigating the molecular mechanisms of transgenerational epigenetic

inheritance

Yang Shi

Stowers Institute for Medical Research

United States of America

19:30 Dinner Buffet

21:00 Poster session – open end

Tuesday, September 3rd

NUCLEOSOME RECOGNITION: MECHANISMS AND STRUCTURES

Chair: Alexander Brehm

09:00 - 09:20 Recruitment mechanisms of Drosophila Polycomb group complex

Christoph Müller

Joint Head of Structural and Computational Biology Unit

Germany

09:25 - 09:45 Molecular recognition of the nucleosome by chromatin enzymes

and factors

Song Tan

Center for Eukaryotic Gene Regulation

United States of America

09:50 - 10:10 Molecular mechanisms of histone methylation readout

Wolfgang Fischle

Max Planck Institute for Biophysical Chemistry

Germany

EARLY DEVELOPMENT AND IMPRINTING

Chair: Sjaak Philipsen

10:15 – 10:35 Intergenerational epigenetic inheritance in a mouse model of undernutrition

Anne Ferguson-Smith

Department of Physiology Development and Neuroscience

United Kingdom

10:40 Coffee Break

11:00 - 11:20 Establishment of pericentromeric heterochromatin in development

Maria-Elena Torres-Padilla

Institut de Genetique et de Biologie Molecularie et Cellulaire (IGBMC)

France

11:25 - 11:45 A library of endogenously tagged fluorescent proteins in embryonic

stem cells reveals a linker histone chaperone involved in pluripotency

and differentiation

Eran Meshorer

Hebrew University of Jerusalem

Israel

DNA METHYLATION

Chair: Reinhard Dammann

11:50 - 12:10 Methyl-lysine switch enables PHF20L1 to shield DNMT1

Sriharsa Pradhan
New England Biolabs
United States of America

12:15 Lunch Buffet

Tuesday, September 3rd

14:00 - 14:20 DNA-methylation reprogramming - a new twist in the tale

Jörn Walter

Laboratory of EpiGenetics, Saarland University

Germany

14:25 - 14:45 Roles of oxidative DNA demethylation in development and reprogramming

Guo-Liang Xu

Shanghai Institutes for Biological Sciences

China

GENOME-WIDE REGULATION OF CHROMATIN

Chair: Guntram Suske

14:50 - 15:10 Nucleosome positioning by ATP-dependent chromatin remodelers

Yuri Moshkin Erasmus MC Netherlands

15:15 Coffee Break

15:45 - 16:05 Structural and functional studies of chromatin organising enzymes

Tom Owen-Hughes University of Dundee

Scotland

16:10 - 16:30 The roles of cohesin and CTCF for shaping the chromatin fiber

Kerstin Wendt

Center for Biomics, Erasmus Medical Center, Rotterdam

Netherlands

ORGANISING CHROMATIN IN THE NUCLEAR SPACE

Chair: Niels Galjart

16:35 – 16:55 A temporal view of three-dimensional enhancer interactions

during embryonic development

Eileen Furlong EMBL Heidelberg

Germany

17:00 – 17:20 Nuclear lamina - genome interactions in single cells

Bas van Steensel

Division of Gene Regulation, Cancer Institute

The Netherlands

17:00 – 17:20 Chromatin insulation: Beyond chromatin looping

Rainer Renkawitz

Institute for Genetics, Justus-Liebig-University

Germany

18:15 Dinner Buffet

Wednesday, September 4th

CHROMATIN REGULATION OF SEX CHROMOSOMES AND GAMETES

Chair: Willy Baarends

09:00 - 09:20 Regulation of biogenesis and homeostasis of the

male-specific-lethal complex in Drosophila melanogaster

Peter B. Becker

Adolf-Butenandt-Institute of Molecular Biology

Germany

09:25 - 09:45 Activation of X inactivation

Joost Gribnau Erasmus MC Netherlands

09:50 – 10:10 From histones to protamines to fertile sperm: conserved histone

modifications are required for histone depletion and protamine deposition at

a stage sensitive to bacterial infections in mammals

Renate Renkawitz-Pohl
Philipps-University-Marburg

Germany

10:15 Coffee Break

10:45 - 11:05 Genome-wide re-organizers of the male genome guided by

histone post-translational modifications

Sophie Rousseaux

University Joseph Fourier Grenoble

France

CELL-TYPE SPECIFIC CHROMATIN REGULATION

Chair: Lienhard Schmitz

11:10 - 11:30 The TFIID subunit TAF4 is essential for postnatal hepatocyte

development by regulating preinitiation complex formation,

RNA polymerase II pausing, and promoting HNF4a occupancy of functional sites

Irwin Davidson

University of Strasbourg

France

11:35 - 11:55 Regulation of inflammatory genes by nuclear signaling networks

Michael Kracht

Justus-Liebig-University

Germany

12:00 - 12:20 Role of chromatin in a pro-inflammatory transcriptional cascade

Stephen T. Smale UCLA, Los Angeles United States of America

12:30 Lunch Buffet

Wednesday, September 4th

DNA DAMAGE AND GENOME STABILITY

Chair: Thomas Braun

13:30 - 13:50 Chromatin assembly from nucleosome to heterochromatin:

The issue of DNA damage

Genevieve Almouzni

UMR218, CNRS/UPMC, Institut Curie

France

13:55 – 14:15 Localising single DNA repair molecules inside double strand break

foci

Adriaan Houtsmuller

Erasmus MC Netherlands

14:20 - 14:40 Chromatin regulation of genome stability

Gary Karpen

University of California & Berkeley

United States of America

CONCLUDING TALK Chair: Frank Grosveld

14:45 – 15:05 Chromatin and alternative pre-mRNA splicing

Tom Misteli

National Cancer Institute United States of America

15:30 End of Chromatin Symposium 2013