

Justus-Liebig-University (JLU) Giessen, Ludwigstrasse 23, 35390 Giessen

International Symposium "Chromatin Changes in Differentiation and Malignancies"

Monday, September 12

15:00 **Registration**

16:00 **Welcome, Introduction**

University President Prof. Dr. Joybrato Mukherjee
Justus-Liebig-University Giessen

Session 1 ***Rainer Renkawitz, JLU Giessen***

16:15 - 16:40 **Chromatin and transcriptional elongation control in
development and disease pathogenesis**

Ali Shilatifard
Stowers Institute for Medical Research
United States of America

16:45 - 17:10 **Epigenetic regulation of muscle regeneration by
HDAC-regulated miRNA-SWI/SNF circuitry**

Pier Lorenzo Puri
Istituto Dulbecco Telethon
Italy

17:15 Coffee Break

17:45 - 18:10 **Epigenetic mechanisms regulating muscle stem cell
homeostasis and differentiation**

Thomas Braun
Max Planck Institute for Heart and Lung Research
Germany

18:15 - 18:40 **Role of non-coding RNA in epigenetic regulation**

Ingrid Grummt
German Cancer Research Center
Germany

18:45 - 19:10 **RNA control of epigenetic processes**

John Mattick
University of Queensland
Australia

19:30 *Departure: Speakers Dinner*

Tuesday, September 13

Session 2***Uta-Maria Bauer, IMT Marburg***

09:00 - 09:25

Chromatin dynamics, transcription and disease*James T. Kadonaga*

University of California San Diego

United States of America

09:30 - 09:55

Chromatin modifications and their function*Tony Kouzarides*

The Gurdon Institute

United Kingdom of Great Britain and Northern Ireland

10:00 - 10:25

Opposite roles of symmetric vs. asymmetric arginine methylation in transcription regulation*Ernesto Guccione*

Institute of Molecular and Cell Biology

Republic of Singapore

10:30**Coffee Break**

11:00 - 11:25

Signals and histone modifications for transcription*Jerry Workman*

Stowers Institute for Medical Research

United States of America

11:30 - 11:55

Role of mammalian histone acetyl transferase (HAT) coactivator complexes in transcription regulation*Laszlo Tora*

University Strasbourg

France

12:00 - 12:25

Regulation of histone methylation and transcription*Marc Timmers*

University Medical Center

Netherlands

12:30**Lunch Time**

Session 3 ***Guntram Suske, IMT Marburg*****14:00 - 14:25** **Chromatin remodelling by CHRAC/ACF: of flies and men***Peter Becker*

Ludwig-Maximilian-University

Germany

14:30 - 14:55 **Mechanisms of the polycomb/trithorax system***Jürg Müller*

Max Planck Institute of Biochemistry

Germany

15:00 - 15:25 **Modulation of gene activity by chromatin regulators
in *Drosophila****Alexander Brehm*

Philipps University Marburg

Germany

15:30 **Coffee Break****16:00 - 16:25** **Macrodomains mediate dynamic ADP-ribosylation signaling
in the nucleus***Andreas Ladurner*

Ludwig-Maximilian-University

Germany

16:30 - 16:55 **SUMOylation in DNA repair***Edward T. Yeh*

University of Texas Houston

United States of America

17:00 - 17:25 **Gene regulation by the serine/threonine kinase HIPK2***Lienhard Schmitz*

Justus-Liebig-University

Germany

17:30 - 22:30 **Poster Session, Company Contacts, Dinner Buffet**

Wednesday, September 14

Session 4***Kerstin Wendt, Erasmus MC Rotterdam***

09:00 - 09:25

Transcription factor networks and long range interaction*Frank Grosveld*

Erasmus MC

Netherlands

09:30 - 09:55

How cohesin helps to organize and segregate the mammalian genome*Jan-Michael Peters*

Research Institute of Molecular Pathology

Austria

10:00 - 10:25

Cohesin regulates gene expression and differentiation of non-dividing mammalian cells*Matthias Merkschlager*

MRC Clinical Sciences Centre

United Kingdom of Great Britain and Northern Ireland

10:30**Coffee Break**

11:00 - 11:25

Mechanisms of transcriptional regulation in the p53 network*Joaquin M. Espinosa*

University of Colorado

United States of America

11:30 - 11:55

Undercover transcription factors*Peter Verrijzer*

Erasmus MC

Netherlands

12:00 - 12:25

Chromatin states and cell fate*Laurie Boyer*

Massachusetts Institute of Technology

United States of America

- 12:30 - 12:55 **Transcription factor networks in stem cells**
Raymond Poot
Erasmus MC
Netherlands
- 13:00 **Lunch Buffet**
- Session 5** ***Willy Baarends, Erasmus MC Rotterdam***
- 14:30 - 14:55 **Activation of X inactivation**
Joost Gribnau
Erasmus MC
Netherlands
- 15:00 - 15:25 **Molecular basis of haploid male genome reprogramming**
Saadi Khochbin
University Joseph Fourier - Grenoble
France
- 15:30 - 15:55 **Histone variants, nucleosome dynamics and epigenetic inheritance**
Steven Henikoff
Fred Hutchinson Cancer Research Center
United States of America
- 16:00 *End of Chromatin Symposium 2011*