

Protecting the Code: Epigenetic Impacts on Genome Stability Programme

Berlin, Germany

29 October - 1 November 2017



Scientific Programme

Sunday 29th October 2017

- 15:30 **REGISTRATION**
Planck Lobby
Coffee and tea will be available
- 17:00 **WELCOME AND INTRODUCTION**
Scientific Programme Committee
- 17:15 **KEYNOTE LECTURE 1**
Akira Yasui
Tohoku University, Japan
"Histone modification and nucleosome remodeling regulating transcription and DNA repair"
- 18:15 **SPEED NETWORKING**
Planck Lobby
- 19:00 **WELCOME BUFFET**
Meitner Saal
Trade exhibition opens

Monday 30th October 2017

- 08:30 **POSTER PREVIEW**
Meitner Saal
Coffee and tea will be available.
- 09:00 **SESSION 1: CHROMATIN REMODELERS AND DNA DAMAGE**
Chair: Susan Gasser
- 09:00 **Claudia Lukas**
NNF CPR, Denmark
"The role of DNA replication stress in cell fate decisions after whole-genome duplication"
- 09:30 **Niels Mailand**
NNF CPR, Denmark
"Regulation of chromatin ubiquitylation in the DNA damage response"
- 10:00 **Aaron Goodarzi**
University of Calgary, Canada
Proffered Paper 1: "The CHD6 chromatin remodeler is an oxidative stress-induced DNA damage response factor"
- 10:15 **EXHIBITOR INTRODUCTIONS**
A fun session to introduce the companies who are exhibiting at the conference.

- 10:25 **COFFEE BREAK & TRADE EXHIBITION**
Meitner Saal
- 11:00 **Boris Pfander**
Max Planck Institute of Biochemistry, Germany
Proffered Paper 2: "Chromatin constitutes a bottleneck in the response to double strand breaks"
- 11:15 **Jessica Downs**
ICR, UK
"The PBAF chromatin remodelling complex and maintenance of genome stability"
- 11:45 **SATELLITE SYMPOSIUM: CHROMATRAP**
- 12:15 **LUNCH**
Liebig Vault Restaurant
Hot buffet lunch with seating available
- 13:00 **POSTER DEFENCE SESSION 1 & TRADE EXHIBITION**
Meitner Saal
Odd numbered posters (1,3,5 etc) will be presented in this session.
- 14:30 **SESSION 2: PROPAGATING THE EPIGENOME**
Chair: Jo Morris
- 14:30 **Iestyn Whitehouse**
MSKCC, USA
"Coupling of genes and replication origins"
- 15:00 **Christopher Douse**
University of Cambridge, UK
Proffered Paper: "Molecular mechanisms of transgene silencing by the Human Silencing Hub (HUSH) and MORC2"
- 15:15 **Kyle Miller**
University of Texas at Austin, USA
Proffered Paper 3: "Bromodomain proteins: Readers of Genome Integrity"
- 15:30 **Kristijan Ramadan**
University of Oxford, UK
"Ubiquitin dependent ATPase p97 and deubiquitinating enzyme X (DUBX) regulate DNA damage response after ionising radiation"
- 16:00 **ROUND TABLE DISCUSSIONS**
Einstein Lounge
Beverages are available to purchase from the bar.
- 17:30 **FREE EVENING TO EXPLORE BERLIN**

Tuesday 31st October 2017

- 08:30 **POSTER PREVIEW**
Meitner Saal
Coffee and tea will be available.
- 09:00 **MEET THE EXPERT**
Penny Jeggo
University of Sussex, UK
An interactive session where Prof. Jeggo will share from her personal

perspective and experiences. There will be a chance to ask your questions.

09:30 **SESSION 3: DNA DAMAGE REPAIR**

Chair: Iestyn Whitehouse

09:30 **Haico van Attikum**

LUMC, Netherlands

"Regulation and dynamics of DNA repair in a chromatin context"

10:00 **Jacques Cote**

Université Laval, Canada

Proffered Paper 4: "Phospho-dependent recruitment of NuA4 by MRX at DNA breaks regulates RPA dynamics during resection"

10:15 **Ulrich Rass**

Friedrich Miescher Institute, Switzerland

Proffered Paper 5: "Helicases and nucleases determining replication fork recovery or demise, and implications for genome stability and human disease"

10:30 **COFFEE BREAK & TRADE EXHIBITION**

Meitner Saal

11:00 **Brendan Price**

Dana-Farber Cancer Institute, USA

"Constructing specialized, acetylated chromatin domains to promote DSB repair"

11:30 **Jo Morris**

University of Birmingham, UK

"The SUMO bomb in DNA double-strand break repair"

12:00 **Amélie Fradet-Turcotte**

Université Laval, Canada

Proffered Paper 6: "A new class of ubiquitylated-histone readers involved in the response to DNA damage"

12:15 **LUNCH**

Liebig Vault Restaurant

Hot buffet lunch with seating available

13:00 **POSTER DEFENCE SESSION 2 & TRADE EXHIBITION**

Meitner Saal

Even numbered posters (2,4,6 etc) will be presented in this session.

14:30 **SESSION 4: CHROMATIN AND DISEASE STATES**

Chair: Penny Jeggo

14:30 **Tim Humphrey**

University of Oxford, UK

"Histone H3K36 trimethylation, genome stability and cancer"

15:00 **Ashby Morrison**

Stanford University, USA

Proffered Paper 7: "Carcinogen susceptibility is regulated by genome architecture and predicts cancer mutagenesis"

15:15 **Fabrizio d'Adda di Fagagna**

IFOM, Italy

"DNA damage response activation in cancer and the role of non coding RNAs"

15:45 **KEYNOTE LECTURE 2**

Geneviève Almouzni

Institute Curie, France

"Shaping chromatin in the nucleus, the bricks and the architects"

19:30 **DRINKS RECEPTION & CONFERENCE DINNER**

Join us for a drink in the Planck Lobby, followed by the Conference Dinner in Liebig Vault. This is an optional event with a limited number of tickets available.

Wednesday 1st November 2017

09:00 **SESSION 5: CHROMATIN REMODELERS AT THE TRANSCRIPTION / REPLICATION INTERFACE**

Chair: Jessica Downs

09:00 **Manolis Papamichos-Chronakis**

Newcastle University, UK

"INO80 chromatin remodeller links RNA quality control to transcriptional regulation"

09:30 **Philipp Oberdoerffer**

National Cancer Institute, USA

"Replication stress in chromatin: getting fragile sites in shape"

10:00 **Andrew Wood**

IGMM Edinburgh, UK

Proffered Paper 8: "Imprinted genes as a model system to study the impact of chromatin on targeted mutagenesis"

10:15 **COFFEE BREAK**

Meitner Saal

10:45 **Sophie Polo**

Epigenetics and Cell Fate, France

Proffered Paper 9: "Epigenome maintenance in response to DNA damage"

11:00 **Gaëlle Legube**

CBI Toulouse, France

"Chromatin and chromosome dynamics following DNA Double Strand Break"

11:30 **THE EMBO KEYNOTE LECTURE**

Susan Gasser

FMI, Switzerland

"Remodelers in response to DNA damage"

12:15 **CLOSING REMARKS & PRESENTATION OF AWARDS**

Scientific Programme Committee

12:30 **LUNCH & DEPART**

Planck Lobby

A packed lunch will be provided