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
"Ubiqutin 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