Saturday 25 August 2018

15:00 - 18:00	**Arrival and Registration** ATC Registration Desk	
16:30 - 17:30	**Pre-Conference Workshop** ATC Courtyard Seminar Room	
18:00 - 18:15	**Welcome and Opening Remarks** ATC Auditorium	
18:15 - 20:00	**Session 1** Chair: Eileen Furlong, *EMBL Heidelberg, Germany* ATC Auditorium	
18:15 - 18:35	**FIREnano and ChromEMT: Visualizing the structural basis of gene activation and silencing in the nucleus** Clodagh O'Shea *Salk Institute for Biological Studies, United States of America*	1
18:35 - 18:55	**Gene Expression Within the Context of a Topologically Associating Domain** Douglas Higgs *MRC Weatherall Institute of Molecular Medicine, University of Oxford , United Kingdom*	2
18:55 - 19:10	**RNA-mediated regulation of chromatin complexes** Roberto Bonasio *University of Pennsylvania, United States of America*	3
19:10 - 19:25	**Decoding the chromatin proteome of a single genomic locus by DNA sequencing** Fred van Leeuwen *Netherlands Cancer Institute, The Netherlands*	4
19:25 - 19:45	**Epigenetic Regulation of HIV Transcription** Melanie Ott *Gladstone Institutes, University of California, San Francisco, United States of America*	5

19:45 - 20:05	**A sequence anomaly of the MLL promoter imposes a transcription factor addiction in leukemia** Christopher Vakoc *Cold Spring Harbor Laboratory, United States of America*	6
20:05 - 21:30	**Dinner** EMBL Canteen	
21:30 - 23:00	**Welcome Reception** ATC Auditorium Foyer and ATC Rooftop Lounge	

Sunday 26 August 2018

09:00 - 12:40	**Session 2** Co-Chairs: Peter Verrijzer, *Erasmus MC, The Netherlands* and Wendy Bickmore, *MRC Human Genetics Unit, University of Edinburgh, United Kingdom* ATC Auditorium	
09:00 - 09:20	**Active chromatin marks drive spatial sequestration of heterochromatin in differentiated cells** Susan Gasser *Friedrich Miescher Institute for Biomedical Research, Switzerland*	7
09:20 - 09:40	**Induced activation of Polycomb-repressed genes in mice** Haruhiko Koseki *RIKEN Center for Integrative Medical Sciences, Japan*	8
09:40 - 09:55	**Independent and overlapping roles of PRC2.1 and PRC2.2 complexes in the localisation of H3K27me2 and H3K27me3 in ESCs** Adrian Bracken *Trinity College Dublin, Ireland*	9
09:55 - 10:10	**Comprehensive theoretical analysis of the Polycomb – Trithorax system predicts that poised chromatin is robustly bistable minimally bivalent and minimally bivalent** Leonie Ringrose *Humboldt Universität zu Berlin, Germany*	10
10:10 - 10:25	**Targeting the X chromosome for dosage compensation** Peter B. Becker *Ludwig-Maximilians-Universität München, Germany*	11
10:25 - 10:45	**Molecular basis of chromatin binding and modification by histone lysine methyltransferases** Jürg Müller *Max Planck Institute of Biochemistry, Germany*	12
10:45 - 11:15	**Coffee Break** ATC Auditorium Foyer	

11:15 - 11:35	**GPIF limits Polycomb Repressive Complex 2 activity in mammalian germ cells** Raphaël Margueron *Institut Curie, France*	13
11:35 - 11:50	**Modelling the pathological long-range regulatory effects of structural variation with patient-specific hiPSC** Alvaro Rada-Iglesias *University of Cologne, Germany*	14
11:50 - 12:05	**Telobox motifs recruit CLF/SWN-PRC2 for H3K27me3 deposition via TRB factors in Arabidopsis** Franziska Turck *Max Planck Institute for Plant Breeding Research, Germany*	15
12:05 - 12:20	**Recruitment of Polycomb Repressive Complex 2 by MTF2 in embryonic stem cells contributes to lineage specification** Gert Jan Veenstra *Radboud University, The Netherlands*	16
12:20 - 12:40	**The Epigenetic Status of some Histone Post-Translational Modifications** Danny Reinberg *Howard Hughes Medical Institute at NYU School of Medicine, United States of America*	17
12:40 - 14:30	**Lunch** EMBL Canteen	
14:30 - 17:00	**Poster Session 1: Odd numbers** ATC Helices A & B	
17:00 - 19:15	**Session 3** Chair: Michael Levine, *Princeton University, United States of America* ATC Auditorium	

19:20 - 21:30 **Dinner**
EMBL Canteen

21:30 - 23:00 **After-dinner Drinks**
ATC Auditorium Foyer and ATC Rootop Lounge

Monday 27 August 2018

09:00 - 12:40 **Session 4**
Co-Chairs: Karen Adelman, *Harvard Medical School, United States of America* and Denis Duboule, *University of Geneva and École Polytechnique Fédérale de Lausanne, Switzerland*

ATC Auditorium

09:00 - 09:20 **Variable silencing of the repeat genome – implications for non-genetic inheritance** 26

Anne C. Ferguson-Smith
University of Cambridge, United Kingdom

09:20 - 09:40 **A single ubiquitylation site in RNA Polymerase II regulates the transcriptional response to UV damage** 27

Jesper Svejstrup
The Francis Crick Institute, United Kingdom

09:40 - 09:55 **Long-range chromatin interactions on the inactive X and at Hox clusters are regulated by the non-canonical SMC protein Smchd1** 28

Marnie Blewitt
Walter and Eliza Hall Institute for Medical Research, Australia

09:55 - 10:10 **Parallel assessment of enhancer activity in distinct cell types of a complex mammalian tissue** 29

Arnaud Krebs
EMBL Heidelberg, Germany

10:10 - 10:25 **Beyond transcription amplification: MYC-driven oncogenic enhancer reprogramming favors the onset of tumorigenesis by inducing a stem cell-like state.** 30

Alessio Zippo
University of Trento, Italy

10:25 - 10:45 **Common Threads: Metabolism, Epigenetics and the Circadian Clock** 31

Paolo Sassone-Corsi
University of California, Irvine, United States of America

10:45 - 11:15 **Coffee Break**
ATC Auditorium Foyer

11:15 - 11:35 **To be presented onsite** 32
Xavier Darzacq
University of California, Berkeley, United States of America

11:35 - 11:50 **Chromatin structure shapes the diffusion dynamics of transcription factors** 33
Nacho Molina
CERBM – Institute of Genetics and Molecular and Cellular Biology (IGBMC), France

11:50 - 12:05 **Mitotic chromosome association predicts genome-wide transcription factor occupancy and impact on local chromatin accessibility** 34
David Suter
École Polytechnique Fédérale de Lausanne, Switzerland

12:05 - 12:20 **Time-Resolved Analysis Reveals Rapid Dynamics and Broad Scope of the CBP/p300 Acetylome** 35
Chunaram Choudhary
University of Copenhagen, Denmark

12:20 - 12:40 **Visualization of Transcription Hubs in Living Drosophila Embryos** 36
Michael Levine
Princeton University, United States of America

12:40 - 14:30 **Lunch**
ATC Auditorium Foyer

14:30 - 17:00 **Poster Session 2: Even numbers**
ATC Helices A & B

17:00 - 19:20 **Session 5**
Chair: Marc Timmers, *University of Freiburg, Germany*
ATC Auditorium

19:20 - 21:30 **Dinner**
EMBL Canteen

21:30 - 23:00 **After-dinner Drinks**
ATC Auditorium Foyer and ATC Rootop Lounge

Tuesday 28 August 2018

09:00 - 12:35 **Session 6**
Co-Chairs: Tony Kouzarides, U*niversity of Cambridge, United Kingdom* and Katherine Jones, *Salk Institute for Biological Studies, United States of America*

ATC Auditorium

09:00 - 09:20 **A molecular mechanism for RNA polymerase II activation** 45

Patrick Cramer
Max Planck Institute for Biophysical Chemistry, Germany

09:20 - 09:40 **The RNAPII CTD kinase, CDK12, cooperates with mTORC1 to regulate gene-specific translation of protein critical for mitotic genome stability** 46

Katherine Jones
Salk Institute for Biological Studies, United States of America

09:40 - 09:55 **Making sense of non-coding transcription at enhancers** 47
Karen Adelman
Harvard Medical School, United States of America

09:55 - 10:10 **Transcription termination and genome organisation** 48
Jean-Christophe Andrau
CNRS, France

10:10 - 10:25 **PHF3 binds RNA polymerase II via the SPOC domain and regulates transcription of neuronal genes** 49

Dea Slade
University of Vienna, Austria

10:25 - 10:45 **The TRiC/CCT chaperonin complex acts as a checkpoint in assembly of the basal transcription factor TFIID** 50

Marc Timmers
University of Freiburg, Germany

10:45 - 11:15 **Coffee Break**
ATC Auditorium Foyer

11:15 - 11:35	**Epigenetic modulation of a preserved 3D chromatin landscape in two distinct states of pluripotency** Hendrik Stunnenberg *Radboud Institute for Molecular Life Sciences, Radboud University Nijmegen, The Netherlands*	51
11:35 - 11:50	**Segregation of the mammalian germline and soma is policed by Otx2** Ian Chambers *University of Edinburgh, United Kingdom*	52
11:50 - 12:05	**Recruitment of chromatin remodeler Isw1b depends both on histone H3K36 methylation and DNA-binding** Michaela Smolle *Biomedical Center, Ludwig-Maximilians-Universität München Germany*	53
12:05 - 12:20	**Targeting nucleosomes by transcription factors in reprogramming** Abdenour Soufi *University of Edinburgh, United Kingdom*	54
12:20 - 12:40	**Transposable elements, their controllers and the speciation of human early embryogenesis** Didier Trono *École Polytechnique Fédérale de Lausanne, Switzerland*	55
12:40 - 14:30	**Lunch** ATC Auditorium Foyer	
14:30 - 17:00	**Poster Session 3: Odd and even numbers** ATC Helices A & B	
17:00 - 19:30	**Session 7** Chair: Henk Stunnenberg, *Radboud Institute for Molecular Life Sciences, Radboud University Nijmegen, The Netherlands* ATC Auditorium	
17:00 - 17:20	**Mechanisms of reprogramming to pluripotency** Kathrin Plath *University of California, San Francisco, United States of America*	56

17:20 - 17:40	**A GADD45a-ING1-C/EBP axis regulates energy homeostasis and organismal aging** Christof Niehrs *Institute of Molecular Biology (IMB), Germany*	57
17:40 - 17:55	**Repression of divergent noncoding transcription by a sequence-specific transcription factor** Folkert van Werven *Francis Crick Institute, United Kingdom*	58
17:55 - 18:10	**Transcription factors activate genes through the phase separation capacity of their activation domains** Ann Boija *Whitehead Institute for Biomedical Research, United States of America*	59
18:10 - 18:25	**Co-translation drives the assembly of mammalian transcription regulatory multi-subunit complexes** Laszlo Tora *Institute of Genetics and Molecular and Cellular Biology (IGBMC), France*	60
18:25 - 18:45	**Probing the transcriptional consequences of Ras and Rho activation** Richard Treisman *The Francis Crick Institute, United Kingdom*	61
18:45 - 19:05	**Modifications of RNA: their function and role in cancer** Tony Kouzarides *Gurdon Institute, University of Cambridge, United Kingdom*	62
19:05 - 19:15	**Closing Remarks** ATC Auditorium	
19:30 – 21:30	**Conference Dinner** EMBL Canteen	
21:30 – 01:00	**Conference party with live band** ATC Foyer	