



Chromatin and Epigenetics

EMBO WORKSHOP



We have moved our website to embl.org/events. The content below is no longer being updated.

EMBL Courses and Conferences during the Coronavirus pandemic

With the onsite programme paused, many of our events are now being offered in virtual formats.

Registration is open as usual for many events, with back-up plans in place to move further courses and conferences online as necessary. Registration fees for any events affected by the COVID-19 disruption are fully refundable.

More information for participants of events at EMBL Heidelberg can be found [here](#).

Programme

Got something to say? Share it with [#EMBOChromatin](#)

Day 1 - Wednesday 1 May

Time	Speaker
14:00-16:00	Arrival / Registration with light refreshments
16:00-16:15	Opening remarks
16:15-19:25	Session 1: Epigenetic reprogramming Chairs: Caroline Dean and Wolf Reik

Time	Speaker
16:15-16:40	Epigenetic inheritance in mammals Anne Ferguson-Smith, University of Cambridge, UK
16:40-16:55	Selected talk: Marta Radman-Livaja, CNRS, France
16:55-17:10	Selected talk: Dennis May, Yale University, USA
17:10-17:35	Factors that control transcriptional accuracy and chromatin integrity Fred Winston, Harvard Medical School, USA
17:35-18:05	Coffee break and Meet the Speakers with Anne Ferguson-Smith, Fred Winston, Emma Farley, Wolf Reik
18:05-18:30	Regulatory principles governing enhancer function during development Emma Farley, University of California, San Diego, USA
18:30-18:45	Selected talk: Marieke Oudelaar, University of Oxford, UK
18:45-19:00	Selected talk: Nir Friedman, The Hebrew University of Jerusalem, Israel
19:00-19:25	Single cell epigenome landscape of development and ageing Wolf Reik, Babraham Institute, UK
19:25-21:00	Welcome reception and poster preview (all numbers) in ATC Foyer and ATC Helices

Day 2 - Thursday 2 May

Time	Speaker
09:00-12:10	Session 2: Developmental epigenetics Chairs: Anne Ferguson-Smith and Fred Winston
09:00-09:25	Epigenetic switching in seasonal timing Caroline Dean, John Innes Centre, UK
09:25-09:40	Selected talk: Sharon Schlesinger, The Hebrew University of Jerusalem, Israel
09:40-09:55	Selected talk: Elizabeth Jaensch, Massachusetts General Hospital, USA
09:55-10:20	Single cell epigenomic analysis of the anatomy and neuronal circuitry of the brain Joseph R. Ecker, HHMI & The Salk Institute for Biological Studies, USA
10:20-10:50	Coffee break and Meet the editors

- Developmental dynamics of histone H4 lysine 16 acetylation**
10:50-11:15 Asifa Akhtar, Max Planck Institute of Immunobiology and Epigenetics, Germany
- 11:15-11:30 Selected talk: Peter B. Becker, LMU Munich, Germany
- 11:30-11:45 Selected talk: Luisa Cochella, Institute of Molecular Pathology, Austria
- Functional insights into genome topology and enhancer function during embryonic development**
11:45-12:10 Eileen Furlong, EMBL Heidelberg, Germany
- 12:10-13:40 Lunch in ATC Foyer**
- Community exchange meeting on the [4DNucleome program](#) (optional/first come first served/during lunch in Courtyard Room A+B)**
13:00-14:00 Discussion Leader: Ananda L Roy, Program Leader, Office of Strategic Coordination/NIH Common Fund
- 13:40-15:40 Poster Session I (odd numbers)**
- 15:40-18:45 Session 3: Different states of chromatin**
Chairs: Geneviève Almouzni and Nir Friedman
- Regulation of peri-centromeric heterochromatin domains through phase separation**
15:40-16:05 Gary H. Karpen, University of California, Berkeley, USA
- 16:05-16:20 Selected talk: Judd Rice, University of Southern California, USA
- 16:20-16:35 Selected talk: Tuncay Baubec, University of Zurich, Switzerland
- 16:35-16:50 Selected talk: Michele Gabriele, European Institute of Oncology, Italy
- Coffee break and Meet the speakers with Caroline Dean, Joseph R. Ecker, Asifa Akhtar, Eileen Furlong, Gary H. Karpen, Amos Tanay**
16:50-17:35
- Understanding epigenetic memory at single cell resolution**
17:35-18:00 Amos Tanay, Weizmann Institute of Science, Israel
- 18:00-18:15 Selected talk: Philipp Korber, LMU Munich, Germany
- 18:15-18:30 Selected talk: Aaron Plys, Massachusetts General Hospital, USA
- 18:30-18:45 Selected talk: Konstantina Skourti-Stathaki, University of Edinburgh, UK
- 18:45-19:00 Apéritif in ATC Foyer**
- 19:00-20:30 Dinner in EMBL Canteen**

20:30-22:00 After-dinner drinks in ATC Rooftop Lounge

Day 3 - Friday 3 May

Time	Speaker
09:00-12:10	Session 4: Histone modifications, RNA and metabolism Chairs: Asifa Akhtar and Chris Ponting
09:00-09:25	Personal regulome navigation Howard Y. Chang, Stanford University, USA
09:25-09:40	Selected talk: Richard G. Jenner, University College London, UK
09:40-09:55	Selected talk: Lara Shahidian, Helmholtz Zentrum München, Germany
09:55-10:20	Long noncoding RNAs and chromatin modifiers Igor Ulitsky, Weizmann Institute of Science, Israel
10:20-10:50	Coffee break
10:50-11:15	Genome-wide mapping of protein-DNA interaction dynamics Steven Henikoff, Fred Hutchinson Cancer Research Center, USA
11:15-11:30	Selected talk: Peter Verrijzer, Erasmus MC, The Netherlands
11:30-11:45	Selected talk: Alexandre Segelle, Institute of Human Genetics, France
11:45-12:10	Super-resolution imaging of transcription in live mammalian cells Ibrahim Cissé, Massachusetts Institute of Technology, USA
12:10-13:40	Lunch in ATC Foyer
13:40-15:40	Poster Session II (even numbers)
15:40-18:45	Session 5: Transcriptional and posttranscriptional regulation Chairs: L. Stirling Churchman and Peter Verrijzer
15:40-16:05	Splicing kinetics revealed by direct sequencing of nascent RNA L. Stirling Churchman, Harvard Medical School, USA
16:05-16:20	Selected talk: Vicent Pelechano, SciLifeLab, Karolinska Institutet, Sweden
16:20-16:35	Selected talk: Verena Mutzel, MPI for Molecular Genetics, Germany
16:35-17:00	High-throughput mapping of transcription factor binding specificities using microfluidics Polly Fordyce, Standord University, USA

17:00-17:45	Coffee break and Meet the speakers with Howard Y. Chang, Igor Ulitsky, Steven Henikoff, Ibrahim Cissé, L. Stirling Churchman, Polly Fordyce, Chris Ponting
17:45-18:10	Causal links from transcription factor binding to human traits Chris Ponting, The University of Edinburgh, UK
18:10-18:25	Selected talk: Vanja Haberle, IMP - Research Institute of Molecular Pathology, Austria
18:25-18:40	Selected talk: Sebastiaan H. Meijnsing, MPI for Molecular Genetics, Germany
18:40-18:45	Poster prize talk announcements
18:45-19:00	Apéritif in ATC Foyer
19:00-20:30	Dinner in EMBL Canteen
20:30-22:00	After-dinner drinks in ATC Rooftop Lounge

Day 4 - Saturday 4 May

Time	Speaker
09:00-12:10	Session 6: Nuclear architecture Chairs: Ana Pombo and Gary H. Karpen
09:00-09:25	Discovering specific chromatin contacts spanning megabases with Genome Architecture Mapping (GAM) Ana Pombo, Max Delbrück Center for Molecular Medicine, Germany
09:25-09:40	Selected talk: Jop Kind, Hubrecht Institute, The Netherlands
09:40-09:55	Selected talk: Raffaella Santoro, University of Zurich, Switzerland
09:55-10:20	Dissecting chromatin organization using single molecule imaging and genomics Xavier Darzacq, University of California, Berkeley, USA
10:20-10:50	Coffee break
10:50-11:05	Poster prize short talk 1
11:05-11:20	Poster prize short talk 2
11:20-11:45	Enhancer function in the 3D genome – a TAD more complicated Wendy Bickmore, The University of Edinburgh, UK

11:45-12:10	Exploring mechanisms of gene silencing and escape in the context of chromosome architecture during X-chromosome inactivation Edith Heard, EMBL Heidelberg, Germany
12:10-14:30	Lunch in EMBL Canteen
14:30-17:45	Session 7: Chromatin and its variants in disease Chairs: Andrea Brand and Marc Timmers
14:30-14:55	Building chromatin: histone variants and chaperones at work Geneviève Almouzni, Institut Curie, France
14:55-15:10	Selected talk: Efrat Shema, Weizmann Institute of Science, Israel
15:10-15:25	Selected talk: Marc Timmers, DKTK, partner site Freiburg, Germany
15:25-15:50	Time to get up: awakening stem cells in the brain Andrea Brand, University of Cambridge, UK
15:50-16:35	Coffee break and Meet the speakers with Ana Pombo, Xavier Darzacq, Edith Heard, Geneviève Almouzni, Andrea Brand, Jean-Christophe Marine
16:35-17:00	Non-genetic cancer cell plasticity and therapy resistance Jean-Christophe Marine, VIB-KU Leuven Center for Cancer Biology, Belgium
17:00-17:15	Selected talk: Didier Trouche, CNRS, France
17:15-17:30	Selected talk: Alessio Zippo, University of Trento, Italy
17:30-17:45	Selected talk: Lucas Kaaij, FMI, Switzerland
17:45-17:55	Closing remarks
17:55-18:15	Apéritif in ATC Foyer
18:15-20:30	Conference Dinner in EMBL Canteen
20:30-00:00	Conference Party with The Wright Thing in ATC Foyer