**Sunday, February 21**

Arrival and Registration

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**Monday, February 22**

**Welcome and Keynote Address (Joint)**

**Edith Heard**, European Molecular Biology Laboratory, Germany

*Chromosome and Epigenetic Abnormalities in Development and Cancer*

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**Chromatin Architecture and Gene Transcription in Development (Joint)**

**Speaker to be Announced**

**Kenneth S. Zaret**, University of Pennsylvania, USA

*Pioneer Factors in Gene Regulation*

**Eileen E.M. Furlong**, European Molecular Biology Laboratory, Germany

*Promoter-Enhancer Interactions in Drosophila Development*

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**Short Talks Chosen from Abstracts**

**Workshop and Panel 1: Chemical Tools and Technologies (Q7)**

**Short Talks Chosen from Abstracts**

**Transcriptional Architecture in Health and Disease (Q8)**

**Speaker to be Announced**

**Alexander Stark**, Research Institute of Molecular Pathology - IMP, Austria

*Cracking the Genome-Wide Transcriptional Regulatory Code*

**Richard A. Young**, Whitehead Institute for Biomedical Research, USA

*Phase Separation in Gene Control*

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**Developmental Epigenetics (Q7)**

**Maria-Elena Torres-Padilla**, Helmholtz Centre Munich, Germany

*Heterochromatin Mechanisms Programming Early Developmental Cell Fate*

**Ting (C.-ting) Wu**, Harvard Medical School, USA

*Looking at the Genome, Face to Face*

**Bradley R. Cairns**, HHMI/University of Utah, USA

*Epigenetic Programming of Early Development*

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**Poster Session 1**

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**Tuesday, February 23**

**Visualizing 3D Chromatin Structures and Nuclear Architecture Interactions at Ultra-Resolutions in situ (Q8)**

**Clodagh C. O’Shea**, The Salk Institute for Biological Studies, USA

*FIREnano and Multi-Color ChromEMT: Revealing the Ultrastructure, Protein Interactions and Global 3D Organization of Chromatin in the Nucleus that Determine Gene Expression and Cell Fate*

**Alistair Boettiger**, Stanford University, USA

*Super Resolution Imaging 3D Genome Domains and Gene Expression in Embryogenesis*

**Ralf Jungmann**, Max Planck Institute of Biochemistry, Germany

*DNA-PAINTs, SOMAmers and Ultra-Resolution Fluorescence Localizations of DNA, RNA and Protein Interactions*

**Elizabeth Villa**, University of California, San Diego, USA

*Opening Windows into the Cell: Cryo-FIB and Electron Tomography of Nuclear Protein Structures in situ*

**Short Talks Chosen from Abstracts**

**Inheritance of Chromatin States (Q7)**

**Anja Groth**, University of Copenhagen, Denmark

*Histone Modification Inheritance through Mitosis*

**Danny F. Reinberg**, HHMI/New York University, USA

*Histone Repressive Signature through Mitosis*

**Robert E. Kingston**, Massachusetts General Hospital, USA

*Polycomb Mechanisms of Compaction and Phase Separation*

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**Roundtable Discussion: Gender and Diversity Issues in Biomedical Research (Joint)**

**Workshop and Panel 2: Models and Nontraditional Models (Q7)**

**Short Talks Chosen from Abstracts**

**Cis-Regulatory Elements in Development (Q8)**

**Joanna Wysocka**, Stanford University, USA

*Gene Regulation by Enhancers*

**Jussi Taipale**, University of Cambridge, UK

*Towards Predicting Gene Expression from DNA Sequence*

**Alvaro Rada-Iglesias**, Universidad de Cantabria, Spain

*Dissecting the Rules that Dictate the Compatibility between Genes and Enhancers*

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**Non-Coding RNA and Epitranscriptomics (Q7)**

**Deborah Bourc’his**, Institut Curie, France

*Transposon Control in Spermatogenesis*
François Fuks, Université Libre de Bruxelles, Belgium
Transcriptome-Wide Distribution and Function of RNA Modifications

Ramin Shiekhattar, University of Miami, USA
Integrator Role in Coordinating Transcriptional Initiation and Elongation

Short Talks Chosen from Abstracts

Postersession 2

Wednesday, February 24

Keynote Address (Joint)
C. David Allis, Rockefeller University, USA
When Genetics and Epigenetics Collide: Insights Gained into Human Disease

Genome Regulation Across Scales (Joint)
Geeta J. Narlikar, University of California, San Francisco, USA
Role of Phase Separation in Genome Organization
Karen Adelman, Harvard Medical School, USA
Enhancer and Promoter Interaction Regulatory Networks
Tony Kouzarides, University of Cambridge, UK
RNA Methylation Enzymes and Dysfunction in Cancer

Short Talks Chosen from Abstracts

Roundtable Discussion: Nontraditional Careers: Industry, Editorial, Open Access Publishing (Joint)
The Dynamic Genome: Imaging DNA Interactions and Transcription in Living Cells (Q8)
Xavier Darzacq, University of California, Berkeley, USA
Single Molecule Imaging of 3D Genome Organization and Viral Transcription
Ibrahim Cissé, Massachusetts Institute of Technology, USA
Super-Resolution Imaging of RNA Polymerase and Transcription in Living Cells
Michael S. Levine, Princeton University, USA
Imaging Long-Range Gene Regulation

Short Talks Chosen from Abstracts

Cancer Epigenetics (Q7)
Nada Jabado, McGill University Health Centre, Canada
Oncohistone H3K27M Mechanisms in Pediatric Glioblastoma
Luciano Di Croce, CRG - Center for Genomic Regulation, Spain
Function of Polycomb in Cancer
Shelley L. Berger, University of Pennsylvania, USA
Epigenetic Mechanisms of Wildtype and Mutant p53

Short Talks Chosen from Abstracts

Thursday, February 25

Poster Session 3

3D Epigenome Organization in Single Cells, Tissues and Disease (Q8)
Ann Dean, NIDDK, National Institutes of Health, USA
Talk Title to be Announced
Ana Pombo, Max-Delbrück-Centrum für Molekulare Medizin, Germany
Inducible DNA-Looping and Genome Misfolding in Neurological Disease
Jason Buenrostro, Harvard University, USA
Single-Cell Epigenomics: Gene Regulation at Unprecedented Resolution

Short Talks Chosen from Abstracts

Genomics, Proteomics, Computational Modeling (Q7)
Bradley E. Bernstein, Massachusetts General Hospital, USA
Cancer Genomes in 3-Dimensions
X. Shirley Liu, Dana-Farber Cancer Institute, USA
Computational Modeling of Cancer Gene Regulation
Bing Ren, Ludwig Institute for Cancer Research, USA
Gene Regulatory Networks in Mammalian Cells Proliferation and Differentiation
Speaker to be Announced

Short Talks Chosen from Abstracts

Workshop and Panel 3: International Consortia (Joint)
Nuclear Mechanics, Architecture and Cell Fate (Q8)
Karla M. Neugebauer†, Yale University, USA
Nuclear Bodies, RNA Splicing and Export in Development and Disease
Jan Lammerding†, Cornell University, USA
Nuclear Envelope Mutations, Mechatransduction and Morphometrics in Cell Migration, Aging and Cancer
Xin Chen, Johns Hopkins University, USA
Asymmetric Histone Incorporation and Segregation during Asymmetric Cell Division

Short Talks Chosen from Abstracts

Chaperones/Elongation (Q7)
Geneviève Almouzni, Centre National de la Recherche Scientifique, France
Chaperone and Histone Variants, a Partnership to Shape Chromatin
Karolin Luger, University of Colorado Boulder, USA
Chromatin Structure and Dynamics

* Session Chair † Invited but not yet accepted  Program current as of May 2, 2020. Program subject to change. Meal formats are based on meeting venue. For the most up-to-date details, visit https://www.keystonesymposia.org.
Ali Shilatifard, Northwestern University, USA

Mechanisms and Therapeutics of Super Elongation Complex

Short Talks Chosen from Abstracts

Meeting Wrap-Up: Outcomes and Future Directions (Organizers) (Q8)

Meeting Wrap-Up: Outcomes and Future Directions (Organizers) (Q7)

FRIDAY, FEBRUARY 26

Departure