SUNDAY, MARCH 12
Arrival and Registration

MONDAY, MARCH 13
Welcome and Keynote Address (Joint)
Ting (C.-ting) Wu, Harvard Medical School, USA
Looking at the Genome, Face to Face
Chromatin Architecture and Gene Transcription in Development (Joint)
Kenneth S. Zaret, University of Pennsylvania, USA
Pioneer Factors in Gene Regulation
Geeta J. Narlikar, University of California, San Francisco, USA
Role of Phase Separation in Genome Organization
Maria-Elena Torres-Padilla, Helmholtz Centre Munich, Germany
Heterochromatin Mechanisms Programming Early Developmental Cell Fate
Short Talks Chosen from Abstracts

Workshop (Q8)
Short Talks Chosen from Abstracts

Workshop and Panel 1: Chemical Tools and Technologies (Q7)
Short Talks Chosen from Abstracts

Transcriptional Regulation in Health and Disease (Q8)
Jussi Taipale, University of Cambridge, UK
Towards Predicting Gene Expression from DNA Sequence
Richard A. Young, Whitehead Institute for Biomedical Research, USA
Phase Separation in Gene Control
Xavier Darzacq, University of California, Berkeley, USA
Diffusion Limited Processes as a Knob to Regulate Spatial and Temporal Functions in the Nucleus
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
Short Talks Chosen from Abstracts

TUESDAY, MARCH 14
Visualizing 3D Chromatin Structures and Nuclear Architecture (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
Ralf Jungmann, Max Planck Institute of Biochemistry, Germany
DNA-PAINTs, SOMAmers and Ultra-Resolution Fluorescence Localizations of DNA, RNA and Protein Interactions
Ibrahim Cissé, Max Planck Institute of Immunobiology and Epigenetics, Germany
Super-Resolution Imaging of RNA Polymerase and Transcription in Living Cells
Jan Lammerding, Cornell University, USA
Mechanically Induced Changes in Chromatin Organization
Short Talks Chosen from Abstracts

Non-Coding RNA and Epitranscriptomics (Q7)
Deborah Bourc’his, Institut Curie, France
Transposon Control in Spermatogenesis
François Fukx, 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

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
Alexander Stark, Research Institute of Molecular Pathology - IMP, Austria
Cracking the Genome-Wide Transcriptional Regulatory Code
Alvaro Rada-Iglesias, Universidad de Cantabria, Spain
Dissecting the Rules that Dictate the Compatibility Between Genes and Enhancers
Short Talks Chosen from Abstracts

Poster Session 1

For the most up-to-date details, visit https://www.keystonesymposia.org.
Cancer Epigenetics (Q7)

Luciano Di Croce, CRG - Center for Genomic Regulation, Spain

Function of Polycomb in Cancer

Nada Jabado, McGill University Health Centre, Canada

Oncohistone H3K27M Mechanisms in Pediatric Glioblastoma

Shelley L. Berger, University of Pennsylvania, USA

Epigenetic Mechanisms of Wildtype and Mutant p53

Geneviève Almouzni, Centre National de la Recherche Scientifique, France

Chaperone and Histone Variants, a Partnership to Shape Chromatin

THURSDAY, MARCH 16

Departure

Short Talks Chosen from Abstracts

Poster Session 2

WEDNESDAY, MARCH 15

Keynote Address (Joint)

C. David Allis, Rockefeller University, USA

When Genetics and Epigenetics Collide: Insights Gained into Human Disease

Genome Regulation Across Scales (Joint)

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

Promoter-Enhancer Interactions in Drosophila Development

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

3D Epigenome Organization in Single Cells, Tissues and Disease (Q8)

Ann Dean, NIDDK, National Institutes of Health, USA

Enhancers, Chromosome Folding and Lineage-Specific Gene Regulation

Jennifer E. Phillips-Cremins, University of Pennsylvania, USA

Inducible DNA-Looping and Genome Misfolding in Neurological Disease

Michael S. Levine, Princeton University, USA

Imaging Long-Range Gene Regulation

Short Talks Chosen from Abstracts

* Session Chair † Invited but not yet accepted
Genomics, Proteomics, Computational Modeling (Q7)

Ali Shilatifard, Northwestern University, USA
Mechanisms and Therapeutics of Super Elongation Complex

Speaker to be Announced
Bing Ren, Ludwig Institute for Cancer Research, USA
Gene Regulatory Networks in Mammalian Cells Proliferation and Differentiation

Short Talks Chosen from Abstracts

Meeting Wrap-Up: Outcomes and Future Directions (Organizers) (Q7)
Meeting Wrap-Up: Outcomes and Future Directions (Organizers) (Q8)