MONDAY, NOVEMBER 15

Welcome and Keynote Address (8am Denver/Mountain Time Start)
*Jennifer E. Phillips-Cremins, University of Pennsylvania, USA
Imaging the 3D Organization of the Genome

Visualizing Genome Folding in Single Cells (8:40am Denver/Mountain Time Start)
Long Cai, California Institute of Technology, USA
Talk Title to be Announced

Clodagh C. O'Shea, The Salk Institute for Biological Studies, USA
ChromEMT: Visualizing 3D Chromatin Structure and Compaction of the Human Genome in Interphase and Mitotic Cells

Ting (C.-ting) Wu, Harvard Medical School, USA
Such a Lot of Genome to See...

Anders Sejr Hansen, Massachusetts Institute of Technology, USA
Short Talk: Dynamics of 3D Genome Organization in Live Cells at Single-Molecule Resolution

Short Talks Chosen from Abstracts

Poster Session (11:30am Denver/Mountain Time Start)
Meet the Editors (12:30pm Denver/Mountain Time Start)

Genome Reconfiguration in Development (3pm Denver/Mountain Time Start)
*Stavros Lomvardas, Columbia University, USA
Ana Pombo, Max Delbrück Centre for Molecular Medicine, Germany
Chromatin Architecture Mapping Detects Extensive Allele-Specific Chromatin Contacts in Hybrid mESCs

Amos Tanay, Weizmann Institute, Israel
Single Cell Hi-C Deconvolutes Proliferation and Differentiation in Embryonic Cell Populations

Suzana Hadjur, University College London, UK
Chromatin Topology Regulation and Stem Cell State Plasticity

Benoit G. Bruneau, Gladstone Institutes, USA
Chromatin Organization in Heart Development

Short Talks Chosen from Abstracts

Special Session: Mother-Daughter in Nuclear Architecture
Terumi Kohwi-Shigematsu†, University of California, San Francisco, USA
Short Talk: Talk Title to be Announced

Minoree Kohwi, Columbia University, USA
Short Talk: Talk Title to be Announced

TUESDAY, NOVEMBER 16

Causes and Consequences of Genome Folding on Genome Function (8am Denver/Mountain Time Start)
Bas van Steensel, Netherlands Cancer Institute, Netherlands
Dynamics of Lamina-Associated Domains

Jennifer E. Phillips-Cremins, University of Pennsylvania, USA
3D Epigenome Reconfiguration in Brain Development and Neurodegenerative Disease

Gary Karpen, University of California, Berkeley, USA
Dissecting Roles for Condensate Properties in Heterochromatin Domain Formation & Function

Daniele Canzio, University of California, San Francisco, USA
The Role of Chromosome Architecture in Generating a Code for Neural Self-Recognition

Daan Noordermeer, Institute for Integrative Biology of the Cell, France
Short Talk: A Complex CTCF Binding Code Defines TAD Boundary Structure and Function

Luca Giorgetti, Friedrich Miescher Institute for Biomedical Research, Switzerland
Short Talk: Towards a Quantitative Understanding of Long-Range Transcriptional Regulation

Short Talks Chosen from Abstracts

Career Roundtable (12pm Denver/Mountain Time Start)

3D Organization of the Genome in the Cell Cycle (3pm Denver/Mountain Time Start)
Job Dekker, University of Massachusetts Medical School, USA
Genome Folding and Re-Folding during the Cell Cycle

Nancy E. Kleckner, Harvard University, USA
Chromosomes as Mechanical Objects

Karen L. Reddy, Johns Hopkins University, USA
Dynamic Spatiotemporal Organization of LADs and Lamins after Mitosis

Gerd A. Blobel, Children's Hospital of Philadelphia, USA
Principles of Chromatin Organization through the Lens of the Cell Cycle

Short Talks Chosen from Abstracts

WEDNESDAY, NOVEMBER 17

Mechanisms Governing Long-Range Looping (8am Denver/Mountain Time Start)
*Jennifer E. Phillips-Cremins, University of Pennsylvania, USA
Bing Ren, Ludwig Institute for Cancer Research, USA
CTCF Promotes Long-Range Enhancer-Promoter Interactions and Lineage-Specific Gene Expression in Mammalian Cells

Stavros Lomvardas, Columbia University, USA
Role for Genome Folding in Olfaction

Francois Spitz, Institut Pasteur, France
Functions and Regulation of 3D Genome Architecture

Erez Lieberman-Aiden, Baylor College of Medicine, USA
Models and Mechanisms of Loop Extrusion

Elzo de Wit, Netherlands Cancer Institute, Netherlands
Short Talk: WAPL Maintains a Cohesin Loading Cycle to Preserve Lineage Specific Distal Gene Regulation

Short Talks Chosen from Abstracts

Networking Lounge (2pm Denver/Mountain Time Start)

Spatiotemporal Genome Folding Dynamics Microenvironment and Signaling (3pm Denver/Mountain Time Start)
*Job Dekker*, University of Massachusetts Medical School, USA

**Bradley R. Cairns**, HHMI/University of Utah, USA
*Mechanisms for Establishing Developmental Gene Poising/Silencing and Chromosome Architecture in Early Zebrafish Embryos*

**Clifford P. Brangwynne**, Princeton University, USA
*Optical Control over Nuclear Bodies*

**Jeannie T. Lee**, Massachusetts General Hospital / Harvard Medical School, USA
*X-Chromosome Inactivation in 4D*

**Leonid Mirny**, Massachusetts Institute of Technology, USA
*Biophysical Mechanisms of Chromosome Organization*

**Alistair Boettiger**, Stanford University, USA
*Short Talk: Mechanisms Behind Promoter-Enhancer Interactions across TAD Boundaries during Limb Patterning*

**Short Talks Chosen from Abstracts**

**Closing Remarks (5:50pm Denver/Mountain Time Start)**

*Job Dekker*, University of Massachusetts Medical School, USA