Arrival and Registration

MONDAY, JANUARY 27

Welcome and Keynote Address (Joint)
*Karen Adelman*, Harvard Medical School, USA
*Cigall Kadoch*, Dana-Farber Cancer Institute, Harvard Medical School, USA
*Shelley L. Berger*, University of Pennsylvania, USA

Epigenetic Pathways as Targets in Human Cancer

Fundamentals of Gene Regulation (Joint)
*Liling Wan*, University of Pennsylvania, USA
*Eva Nogales*, University of California, Berkeley, USA

Structural Insights into the Regulation of the Gene Silencer PRC2

*Patrick Cramer*, Max Planck Institute for Biophysical Chemistry, Germany

Mechanisms of Chromatin Transcription

*Dylan J. Taatjes*, University of Colorado Boulder, USA

Selective Inhibition of Human CDK7 Reveals High-Confidence Targets and Suggests a New Model for TFIIH Function in Transcription

Workshop 1: Structure and Function of Chromatin (J3)

*Patrick Cramer*, Max Planck Institute for Biophysical Chemistry, Germany
*Ksenia Finogenova*, Max-Planck Institute of Biochemistry, Germany
*François Robert*, Institut de Recherches Cliniques de Montreal, Canada
*Giulia Cova*, Max Planck Institute for Molecular Genetics, Germany
*Keda Zhou*, University of Colorado Boulder, USA

FACT Caught in the Act of Manipulating the Nucleosome

Imaging of Transcriptional Dynamics (J3)

*Karla M. Neugebauer*, Yale University, USA
*Ibrahim Cissé*, Massachusetts Institute of Technology, USA

Super-Resolution Imaging of Transcription in Living Mammalian Cells

*Danette L. Daniels*, Promega Corporation, USA

Kinetic Monitoring of Protein Interactions and Targeted Degradation in Live Cells

Jennifer F. Kugel, University of Colorado Boulder, USA

Short Talk: Single-Molecule Studies Resolve Heterogeneity in the Activity of Transcribing Complexes to Reveal Steps in Transcription That Dictate the Activity of Pol II

Benjamin R. Sabari, University of Texas Southwestern Medical Center, USA

Short Talk: Enhancer Features that Drive Formation of Transcriptional Condensates

Michael S. Levine, Princeton University, USA

Visualizing Developmental Dynamics in Drosophila Embryos

Enhancer Structure in Cancer (J4)

*Asifa Akhtar*, Max Planck Institute of Immunobiology and Epigenetics, Germany
*Ashby Morrison*, Stanford University, USA

Epigenetic Regulation of Carcinogen Susceptibility

Workshop 1 (J4)

*Yael David*, Memorial Sloan Kettering Cancer Center, USA
*Alessandro Gardini*, Wistar Institute, USA
*A Role for Nuclear PP2A in Transcription Regulation
Ruhee Dere, Baylor College of Medicine, USA
*KDM4A Regulates Microtubule Methylation and Genomic Instability
Gerard L. Brien*, Smurfit Institute of Genetics, Ireland
Disruption of Development Enhancer and PRC2 Function by H3K27M in DIPG

Tharu M. Fernando, Genentech, Inc., USA
Characterization and Therapeutic Implications of SMARCA4 Mutations in Cancer
Noa Furth, Weizmann Institute of Science, Israel
The Combinatorial Epigenetic Landscape of High Grade Pediatric Gliomas in Single Molecule Resolution

Brian J. Abraham, St. Jude Children's Research Hospital, USA
Predicting Master Transcription Factors from Pan-Cancer Expression Data

Elizabeth Allene Martin, UCSF, USA
OGT, a Nutrient-Sensing Enzyme, Controls DNA Methylation in Mouse Embryonic Stem Cells

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*Ashby Morrison*, Stanford University, USA

Epigenetic Regulation of Carcinogen Susceptibility
Richard A. Young, Whitehead Institute for Biomedical Research, USA
Gene Dysregulation, Condensates and Drugs

Bin Wu, Agios Pharmaceuticals Inc, USA
Molecular Mechanisms Mediating Relapse Following Idosidenib Monotherapy in Patients with IDH1-mutant Relapsed or Refractory Acute Myeloid Leukemia

Liling Wan, University of Pennsylvania, USA
Short Talk: Chromatin Reader Dysregulation in Cell Fate Control and Cancer

Lena Afeyan, Massachusetts Institute of Technology, USA
Short Talk: Formation and Regulation of Estrogen Receptor-Mediated Transcriptional Condensates in Breast Cancer

Lukas Chavez, University of California, San Diego, USA
Short Talk: Targeting of Tumors as Informed by Oncogenic 3D Genome Organization

**Poster Session 1**

TUESDAY, JANUARY 28

Epigenetic Modifications of Chromatin and RNA (Joint)

*Ali Shilatifard*, Northwestern University, USA
Modifications of RNA: Their Function and Role in Cancer

Asifa Akhtar, Max Planck Institute of Immunobiology and Epigenetics, Germany
Dosage Compensation of the X Chromosome: A Complex Epigenetic Assignment Involving Chromatin Regulators and lncRNAs

Anne Brunet, Stanford University, USA
Epigenetic Regulation of Stem Cell Aging

Salvador Aznar Benitah, ICREA and Institute for Research in Biomedicine, Spain
Epigenetic Influence of Our (Fatty) Diet on Metastatic-Initiating Cells

Peter Hsu, University of Washington, USA
Short Talk: Structural Basis of H2B Ubiquitination-Dependent H3K4 Methylation by COMPASS

Coupling of Transcription and RNA Processing (J3)

*Alexander Stark*, Research Institute of Molecular Pathology - IMP, Austria
Short Talk: Uncovering Novel Roles for Splicing Factor SF3B1 in Transcription Dynamics and R-Loop Metabolism

Megan Insco, Boston Children's Hospital, USA
Short Talk: CDK13 Mutations Drive Melanoma via Accumulation of Prematurely Terminated Transcripts

Torben Heick Jensen, Aarhus Universitet, Denmark
Transcription Termination and Links to RNA Processing/Decay Pathways

**Human Disease Models of Chromatin Regulation (J4)**

*Paola Grandi*, Cellzome AG, a GSK Company, Germany
Targeting Chromatin Remodeling Complexes for Tissue Regeneration

Paola Grandi, Cellzome AG, a GSK Company, Germany
Click Chemistry and Preclinical Evaluation of Targeted Epigenetic Therapies

Liis Uuskula-Reimand, SickKids Research Institute, Canada
Short Talk: Enhancer Function and Topoisomerase II beta in Hepatocellular Carcinoma

Nicholas C. Gomez, Rockefeller University, USA
Short Talk: Stem Cell Reprogramming during Oncogenesis

Raphaël Rodriguez, Institut Curie, France
Short Talk: CD44 Regulates Epigenetic Plasticity by Mediating Iron Endocytosis

**Poster Session 2**

WEDNESDAY, JANUARY 29

Communication between Promoters and Enhancers (J3)

*Torben Heick Jensen*, Aarhus Universitet, Denmark
Can Phase-Separation Explain the Biological Properties of Heterochromatin?

Geeta J. Narlikar, University of California, San Francisco, USA
Low Complexity Sequences in Gene Regulation

Jesse M. Engreitz, Harvard University and Broad Institute, USA
Short Talk: Genome-Wide Maps of Enhancer-Gene Connections Link Immune Disease Risk Variants to Target Genes

R. Babak Faryabi, University of Pennsylvania, USA
Short Talk: Notch-Instructed 3D Cancer Genomes

Tom Owen-Hughes, University of Dundee, Scotland
Short Talk: Selective Enhancer Decommissioning Following Acute Depletion of the ARID1A Subunit of Mammalian SWI2/SNF Complexes

Alexander Stark, Research Institute of Molecular Pathology - IMP, Austria
Decoding Regulation: Global Screens to Uncover How Sequence Dictates Gene Activity

* Session Chair † Invited but not yet accepted  Program current as of February 27, 2020. Program subject to change. Meal formats are based on meeting venue. For the most up-to-date details, visit https://www.keystonesymposia.org.
**Workshop 2 (J4)**

*Chao Lu*, Columbia University, USA  
**SrinivasVinoth Saladi**, Harvard Medical School, USA  
**Riyad N.H. Seervai**, Baylor College of Medicine, USA  
**Michelle M. Mitchener**, Princeton University, USA  
**Adam D. Durbin**, Dana-Farber Cancer Institute, USA  
**Chao Lu**, Columbia University, USA  
**Shasha Chong**, University of California, Berkeley, USA  
**Luciano Di Croce**, CRG - Center for Genomic Regulation, Spain  
**Jikui Song**, University of California, Riverside, USA  
**Christopher Vakoc†**, Cold Spring Harbor Laboratory, USA  
**Christopher Vakoc†**, Cold Spring Harbor Laboratory, USA

**Higher Order Interactions in Transcription Regulation (J3)**

*Eileen E.M. Furlong*, European Molecular Biology Laboratory, Germany  
**Eileen E.M. Furlong**, European Molecular Biology Laboratory, Germany  
**Nazar Mashtalir**, Dana-Farber Cancer Institute, USA  
**Christopher Vakoc†**, Cold Spring Harbor Laboratory, USA

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*Jennifer F. Kugel*, University of Colorado Boulder, USA  
**Alon Goren**, University of California, San Diego, USA  
**Gabriella E. Martyn**, University of New South Wales, Australia  
**Kirstin Meyer**, University of California, San Francisco, USA  
**Linda Z. Penn**, Princess Margaret Cancer Centre, Canada  
**Xavier J. Rambout**, University of Rochester Medical Center, USA  
**Haoze Vincent Yu**, University of Southern California, USA  
**Chao Lu**, Columbia University, USA  
**Shasha Chong**, University of California, Berkeley, USA  
**Valerio Orlando**, King Abdullah University of Science and Technology, Saudi Arabia  
**Kirstin Meyer**, University of California, San Francisco, USA  
**Linda Z. Penn**, Princess Margaret Cancer Centre, Canada  
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**Christopher Vakoc†**, Cold Spring Harbor Laboratory, USA  
**Eileen E.M. Furlong**, European Molecular Biology Laboratory, Germany  
**Nazar Mashtalir**, Dana-Farber Cancer Institute, USA  
**Christopher Vakoc†**, Cold Spring Harbor Laboratory, USA  

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**Chromatin Structure and Function in Cancer (J4)**

*Christopher Vakoc*, Cold Spring Harbor Laboratory, USA  
**Valerio Orlando**, King Abdullah University of Science and Technology, Saudi Arabia  
**Kirstin Meyer**, University of California, San Francisco, USA  
**Linda Z. Penn**, Princess Margaret Cancer Centre, Canada  
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**Jikui Song**, University of California, Riverside, USA  
**Agata E. Lemiesz**, Rockefeller University, USA  
**Nazar Mashtalir**, Dana-Farber Cancer Institute, USA  
**Christopher Vakoc†**, Cold Spring Harbor Laboratory, USA  
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**Christopher Vakoc†**, Cold Spring Harbor Laboratory, USA

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**Meeting Wrap-Up: Outcomes and Future Directions (Organizers) (J3)**

**Meeting Wrap-Up: Outcomes and Future Directions (J4)**

**FRIDAY, JANUARY 31**

**Department**