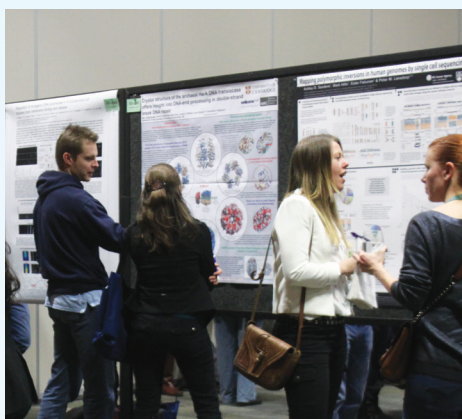
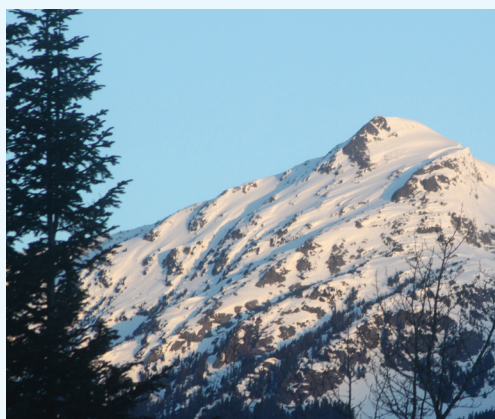




Join Keystone Symposia
for the 2016 conference on:

Chromatin and Epigenetics

March 20–24, 2016

Whistler Conference Center | Whistler, British Columbia | Canada

Scientific Organizers: Luciano Di Croce and Yang Shi

The DNA of eukaryotic cells is organized into chromatin fibers, where the nucleosome is the basic repeating unit. Chromatin is thus at the core of fundamental processes such as gene regulation, stem cell fate determination and cancer. By and large, these topics have traditionally been covered by separated meetings. However, recent literature indicates that the boundaries among these various disciplines are becoming less clear. This meeting will bring together scientists studying chromatin structure, epigenetics, stem cell biology and cancer. The talks will cover a broad range of topics, including chromosome organization, long-range interactions, chromatin assembly, stem cell regulation/differentiation, RNA-based mechanisms and transcription regulation. Speakers have been selected to broadly reflect lessons learned from a variety of model organisms and experimental approaches. Young scientists will be able to present their work through a large number of short talks selected from submitted abstracts as well as through poster presentation. There will also be ample time for exchanging ideas and discussing novel hypothesis at the end of each session, as well as time for informal interactions and networking.

Session Topics:

- Epigenetic Pathways
- DNA Methylation in Stem Cells
- Epigenetic Chromatin Complexes
- Chromatin Organization
- Chromatin in Stem Cells
- Chromatin Structure and Stem Cell Fate
- Chromatin and Cancer
- ncRNA and Enhancers
- Regulation of Transcription in Stem Cell



Submitting an abstract is a great way of participating in the conference through poster presentation and possible selection for a short talk.

Scholarship & Discounted Abstract Deadline: Nov 18, 2015

Abstract Deadline: Dec 16, 2015

Discounted Registration Deadline: Jan 20, 2016

For additional details, visit www.keystonesymposia.org/16C2.

KEYSTONE SYMPOSIA™
on Molecular and Cellular Biology
Accelerating Life Science Discovery

www.keystonesymposia.org/meetings | 1.800.253.0685 | 1.970.262.1230
a 501(c)(3) nonprofit educational organization

KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

Chromatin and Epigenetics (C2)

March 20-24, 2016 • Whistler Conference Centre • Whistler, British Columbia, Canada

Scientific Organizers: Luciano Di Croce and Yang Shi

Sponsored by Cell Research, Cell Signaling Technology, Inc., Constellation Pharmaceuticals and Incyte Corporation

Abstract & Scholarship Deadline: November 18, 2015 / Abstract Deadline: December 16, 2015 / Discounted Registration Deadline: January 20, 2016

SUNDAY, MARCH 20

Arrival and Registration

MONDAY, MARCH 21

Epigenetic Pathways

Shelley L. Berger, University of Pennsylvania, USA
Chromatin Changes in Eukaryotic Senescence and Aging

Yang Shi, Children's Hospital Boston, Harvard Medical School, USA
Histone Methylation Regulation, Recognition and Link to Human Disease

Tony Kouzarides, University of Cambridge, UK
Role of ncRNAs in Transcription and Cancer

Ali Shilatifard, Northwestern University Feinberg School of Medicine, USA
Enhancer Malfunction in Cancer

Short Talk(s) Chosen from Abstracts

DNA Methylation in Stem Cells

Bing Ren, Ludwig Institute for Cancer Research, USA
Systems Biology Approach to Defining Cancer Epigenomes

Anjana Rao, La Jolla Institute for Allergy and Immunology, USA
TET Proteins and 5-Methylcytosine Oxidation

Or P. Gozani, Stanford University, USA
Dynamics of Histone Modification in Leukemia

Short Talk Chosen from Abstracts

Poster Session 1

TUESDAY, MARCH 22

Epigenetic Chromatin Complexes

Anne Brunet, Stanford University, USA
Epigenetic Regulation of Aging

Danny F. Reinberg, HHMI/New York University, USA
Chromatin Regulation by Polycomb Complexes

Luciano Di Croce, Centre for Genomic Regulation, Spain
Linking Gene Transcription, Development and Human Diseases

Robert E. Kingston, Massachusetts General Hospital, USA
Gene Silencing by Polycomb Group Proteins

Short Talk(s) Chosen from Abstracts

Poster Session 2

Workshop 1: Technology

Short Talks Chosen from Abstracts

Chromatin Organization

Geneviève Almouzni, Centre National de la Recherche Scientifique, France
Nucleosome Dynamics and Histone Variants

Dinshaw J. Patel, Memorial Sloan-Kettering Cancer Center, USA
Structure-Function Studies of Histone-Chaperones

Robert A. Martienssen, Cold Spring Harbor Laboratory, USA
Replication-Coupled Silencing and Spreading with RNAi

Short Talk Chosen from Abstracts

WEDNESDAY, MARCH 23

Chromatin in Stem Cells

Kristian Helin, University of Copenhagen, Denmark
Histone Methylation in Differentiation and Disease

Giacomo Cavalli, Institute of Human Genetics, France
Polycomb Proteins, Germ Cells and Nuclear Organization

Wolf Reik, Babraham Institute, UK
Epigenetic Reprogramming in Mammalian Development

Rabinder K. Prinjha, GlaxoSmithKline, UK
Epigenetic Targets for the Treatment of Human Diseases

Short Talk(s) Chosen from Abstracts

Workshop 2: How RNA Modifications Impact Chromatin Structure and Stem Cell Fate

Short Talks Chosen from Abstracts

Chromatin and Cancer

Johnathan R. Whetstone, Massachusetts General Hospital, USA
Chromatin Modulators Provide New Insights Into Cancer Genomes

Robert J. Sims, Constellation Pharmaceuticals, USA
Targeting Oncogenic Signaling with Small Molecule Inhibitors of CBP/EP300

Bradley E. Bernstein, Massachusetts General Hospital, Harvard Medical School, USA
Epigenetic Heterogeneity in Cancer

Short Talk Chosen from Abstracts

Poster Session 3

THURSDAY, MARCH 24

ncRNA and Enhancers

Victor G. Corces, Emory University, USA
Linking Genome Organization to Cellular Function

Robert G. Roeder, Rockefeller University, USA
Novel Pathways and Mechanisms for Cooperative Functions of Transcriptional Coactivators on Chromatin Templates

Ramin Shiekhattar, University of Miami, USA
Long Noncoding RNAs and Transcriptional Regulation

Eileen Furlong, European Molecular Biology Laboratory, Germany
Enhancer Activity during Developmental Transitions

Short Talk(s) Chosen from Abstracts

Regulation of Transcription in Stem Cell

Salvador Aznar Benitah, IRB Barcelona, Spain
Role of Chromatin Modifiers in Stem Cell Fate Determination

Jeannie T. Lee, Massachusetts General Hospital, USA
The Roles of Long Noncoding RNA in Epigenetic Regulation

Chuan He, University of Chicago, USA
Epigenetic DNA and RNA Demethylation in Mammalian Regulation

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

KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

Chromatin and Epigenetics (C2)

March 20-24, 2016 • Whistler Conference Centre • Whistler, British Columbia, Canada

Scientific Organizers: Luciano Di Croce and Yang Shi

Sponsored by Cell Research, Cell Signaling Technology, Inc., Constellation Pharmaceuticals and Incyte Corporation

Abstract & Scholarship Deadline: November 18, 2015 / Abstract Deadline: December 16, 2015 / Discounted Registration Deadline: January 20, 2016

FRIDAY, MARCH 25

Departure