

KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

Cancer Epigenetics (Q1)

Scientific Organizers: Sharon Y.R. Dent, Jean-Pierre Issa and Peter A. Jones

Supported by the Directors' Fund

Transcriptional Regulation (Q2)

Scientific Organizers: Richard A. Young, Robert G. Roeder and Joanna Wysocka

February 4-9, 2014 • Santa Fe Community Convention Center • Santa Fe, New Mexico, USA

Supported by the Directors' Fund

Abstract & Scholarship Deadline: October 2, 2013 / Abstract Deadline: November 6, 2013 / Discounted Registration Deadline: December 4, 2013

TUESDAY, FEBRUARY 4

WEDNESDAY, FEBRUARY 5

Keynote Address (Joint)

C. David Allis, Rockefeller University, USA

Cancer DNA Methylomes (Q1)

Speaker to be Announced

Bing Ren, University of California, San Diego, USA
Systems Biology Approach to Defining Cancer Epigenomes

Dirk Schübeler, Friedrich Miescher Institute for Biomedical Research, Switzerland
Epigenetic Modification of Genome Function

Short Talk(s) Chosen from Abstracts

Fundamentals (Q2)

Joan W. Conaway, Stowers Institute for Medical Research, USA
Transcription Initiation and Elongation

Patrick Cramer, University of Munich (LMU), Germany
The Transcription Apparatus

David H. Price, University of Iowa, USA
RNA Polymerase II Elongation Control

B. Franklin Pugh, Pennsylvania State University, USA
Genome-Wide Organization of Chromatin and the Transcription Machinery

Short Talk(s) Chosen from Abstracts

Genomic Profiles of Chromatin Modifiers in Cancer (Q1)

Peter A. Jones, University of Southern California, USA
Talk Title to be Determined

Kornelia Polyak, Dana-Farber Cancer Institute, Harvard Medical School, USA
Chromatin Modifiers as Novel Therapeutic Targets in Breast Cancer

Peggy J. Farnham, University of Southern California, USA
Transcription Factor Profiles in Normal and Cancer Cells

Short Talk Chosen from Abstracts

Transcription Factors and Cofactors (Q2)

Martha L. Bulyk, Harvard Medical School, USA
Transcription Factors and DNA Regulatory Elements

Robert G. Roeder, Rockefeller University, USA
Transcription and Cofactors

Speaker to be Announced

Short Talk Chosen from Abstracts

Poster Session 1

THURSDAY, FEBRUARY 6

Histone Modifiers in Development and Cancer (Q1)

Robert A. Waterland, Baylor College of Medicine, USA
Nutritional Influences on Human Developmental Epigenetics

Sharon Y.R. Dent, University of Texas MD Anderson Cancer Center, USA
Functions of Gcn5 and SAGA in Stem Cells and Cancer

Yi Zhang, HHMI/Harvard Medical School, Children's Hospital Boston, USA
Chromatin Changes in Stem Cells and Cancer

Speaker to be Announced

Short Talk(s) Chosen from Abstracts

Transcriptional Control in Development (Q2)

Karen Adelman, NIEHS, National Institutes of Health, USA
RNA Polymerase Pausing during Early Murine Development

Margaret T. Fuller, Stanford University, USA
Transcriptional Regulation of Differentiation in an Adult Stem Cell Lineage

Michael S. Levine, University of California, Berkeley, USA
Pause Control in Development

Joanna Wysocka, Stanford University School of Medicine, USA
Mechanisms of Developmental Plasticity

Short Talk(s) Chosen from Abstracts

Genetic and Epigenetic Interactions in Cancer (Q1)

Anjana Rao, La Jolla Institute for Allergy and Immunology, USA
5-Hydroxymethylcytosine in Development and Cancer

Craig B. Thompson, Memorial Sloan-Kettering Cancer Center, USA
Cellular Metabolism and Epigenetic Changes in Cancer

Megan P. Hitchins, Lowy Cancer Research Centre, University of New South Wales, Australia
Epimutations and Epialleles in Familial Cancers

Short Talk Chosen from Abstracts

ncRNAs (Q2)

Howard Y. Chang, Stanford University, USA
Long Non-Coding RNAs and Chromatin

John L. Rinn, Harvard University, USA
Biology of lincRNAs

Danny F. Reinberg, HHMI/New York University, USA
RNA and Chromatin Regulation

Short Talk Chosen from Abstracts

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Poster Session 2

FRIDAY, FEBRUARY 7

Aging, Epigenetic Variation and Cancer (Q1)

Jean-Pierre Issa, Temple University School of Medicine, USA
Unraveling the Epi Code in Aging and Cancer

Margaret A. Goodell, Baylor College of Medicine, USA
DNA Methylation in Normal and Malignant Hematopoiesis

Taiping Chen, University of Texas MD Anderson Cancer Center, USA
DNA Methyltransferases and Lysine Methyltransferases: Connections in Development and Disease

Speaker to be Announced

Short Talk(s) Chosen from Abstracts

Transcription, Development and Disease (Q2)

Leonard I. Zon, HHMI/Children's Hospital Boston, USA
Transcription Elongation in Blood Development and Cancer

Kenneth S. Zaret, University of Pennsylvania, USA
Regulatory Mechanisms in Mammalian Tissue Induction

Yali Dou, University of Michigan, USA
Molecular Function of the MLL Complex

Thomas G. Boyer, University of Texas Health Science Center at San Antonio, USA
Mediator in Disease

Short Talk(s) Chosen from Abstracts

Therapeutics Discovery (Joint)

Mark T. Bedford, University of Texas MD Anderson Cancer Center, USA
Defining New Histone Reader Domains

James E. Bradner, Dana-Farber Cancer Institute, USA
Druggable Histone Reader Domains

Speaker to be Announced

Short Talk Chosen from Abstracts

Poster Session 3

SATURDAY, FEBRUARY 8

Keynote Address (Joint)

John B. Gurdon[†], University of Cambridge, UK

Programming and Reprogramming (Joint)

Amanda G. Fisher, MRC Clinical Sciences Centre, UK
Epigenetic Mechanisms of Reprogramming

Speaker to be Announced

Richard A. Young, Whitehead Institute for Biomedical Research, USA
Control of Cell State

Short Talk(s) Chosen from Abstracts

Epigenetic Therapies (Q1)

Stephen B. Baylin, Johns Hopkins University School of Medicine, USA

Role of Epigenetics in Cancer Treatments

Caretha L. Creasy, GlaxoSmithKline Pharmaceuticals, USA
Ezh2 Mutations in Lymphoma: New Therapeutic Strategies

Kenneth P. Nephew, Indiana University, USA
Epigenetic Therapies that Overcome Cancer Drug Resistance

Short Talk Chosen from Abstracts

Cellular and Global Views of Transcription (Q2)

Job Dekker, University of Massachusetts Medical School, USA
Long-Range Chromosomal Interactions

Alexander van Oudenaarden[†], Hubrecht Institute, Netherlands
Single Cell Views of Transcription

Michael Snyder, Stanford University School of Medicine, USA
Transcriptomes and Transcriptional Networks

Short Talk Chosen from Abstracts

SUNDAY, FEBRUARY 9