

SCIENTIFIC PROGRAM

**30th Annual International
Asilomar Chromatin & Chromosomes
Conference**

**December 11-14, 2008
Asilomar Conference Grounds
Pacific Grove, CA**



Organizers:

**Mike Goldman, San Francisco State University
Jeff Hansen, Colorado State University, Fort Collins
Cynthia McMurray, Mayo Clinic**

Meeting Reminders:

All meeting sessions, socials, refreshments will be in **Heather (North Woods)**.

ALL SPEAKERS: We have more time than normal this year. Please plan your talks to be **20 min** in length (a **15-17 minute presentation** + **3-5 additional minutes** for questions)

Please upload your talks as early as possible--by 5:30pm for evening sessions and by 10:30pm the night before morning sessions.

Soft drinks, beer, wine, and snacks will be served in the meeting room (Heather) by Asilomar personnel from **5-6 pm on Friday and Saturday nights**, and from **9-11 pm on Thursday-Saturday nights**.

Please request your Sunday Box Lunch by **Friday NOON**—sign-up list available in the meeting room

Please give Mike Goldman or Jim Davie an electronic copy of your abstract for publication in a special issue of **BIOCHEMISTRY AND CELL BIOLOGY** (or e-mail it to Mike Goldman immediately after the meeting)

OPENING SOCIAL:

Thursday, December 11, 2008: 4:00 pm – 6:00 pm

Refreshments in Heather (North Woods)

Dinner 6:00 pm – 7:00 pm

Schedule of Talks

Thursday, December 11, 2008: 7:00 pm – 9:30 pm

7:00 - 7:15 pm

Welcome!

NUCLEOSOMES AND CHROMATIN FIBERS: 7:15–9:00 pm
Ken van Holde, Chairperson

Keynote Address

Juan Ausio

University of Victoria

A Variant Look of the Nucleosome at 34

Jakob Waterborg
University of Missouri-Kansas City
An Attempt to Define the Primordial Eukaryotic Nucleosome

Tamara Caterino
University of Rochester
Molecular Determinants of H1 Binding to Nucleosomes

Nikhil Raghuram
University of Alberta
Role of Proline Isomerization in Histone H1 Binding to Chromatin

Refreshments available at end of evening session

Friday, December 12, 2008: 9:00 am – 12:00 pm

CHROMATIN PROTEINS AND CHROMOSOMES
Bill Garrard, Chairperson

Weiguo Zhang
UC-Berkeley
Drosophila H2Av is a Centromere Component Required for CENP-A Localization

Kris Hite
Colorado State University
Identifying Motifs within MeCP2 that Affect Chromatin Architecture

Anita Thambirajah
University of Victoria
Interactions of MeCP2 with Native Chromatin

Elvin Brown
University of Alaska
The Role of the Histone Fold Protein, CHRAC17, in *Xenopus* Development

-- 20 min break --

Ryan Heit
University of Alberta
G2 Methylation is Critical for Proper Segregation of Chromosomes

Javier Arsuaga
San Francisco State University
Using DNA Knots to Study Chromosome Organization in Bacteriophages

Pre-Dinner Social (Heather) 5:00 pm – 6:00 pm
Dinner 6:00 pm – 7:00 pm

Friday, December 12, 2008: 7:00 pm – 9:40 pm

TRANSCRIPTION
Jocelyn Krebs, Chairperson

Paul Wade
NIEHS
Chromatin Features Direct Appropriate Expression of Human Bcl6 during B Cell Differentiation

David Clark
NIH
Role of the Yeast HAT-activator Spt10 in the Cell Cycle

Beatriz Perez-Cadahia
University of Manitoba
Role of 14-3-3 in transcriptional activation in response to RAS-MAPK signaling

Tiffani Quan
UC-Santa Cruz
Roles for CHD1 in Maintenance of Actively Transcribed Chromatin Structure

-- 20 min break --

Benjamin Harrison
University of Alaska
Regulation of the *CUP1* gene by chromatin structure and antisense transcription

Bingnan Gu

UC-Irvine
Regulation of Mammary Progenitor Cell Chromatin by Pyg02

Jakub Minks
University of British Columbia
Deciphering the Early Stages of X-chromosome Inactivation

Refreshments available at end of evening session

Saturday, December 13, 2008: 9:00 am – 12:00 pm

POST-TRANSLATIONAL MODIFICATIONS
Emily Wiley, Chairperson

Sydney Freggiaro & Emily Wiley
Claremont Colleges
Histone Deacetylases in *Tetrahymena* Heterochromatin Development and Chromatin Assembly

Michael Ho
University of Alberta
Development of an Assay for the Histone Methyltransferase, EZH2

George Fromm
University of Rochester
Hyper acetylated Histone Domains at the Murine Beta Globin Locus May Form via a Spreading Mechanism Independent of High Levels of Expression

Bojan Drobic
University of Manitoba
The Function of Histone H3 Kinase, MSK1, in Transcriptional Activation of Oncogenes

-- 20 min break --

Nicholas Adkins
Marshall University
Epigenetic Regulation of RAR- β during Melanoma Progression and Retinoic Acid Treatment

Philippe Georgel
Marshall University
Prostate Cancer and Epigenetics

Jeff Hayes
University of Rochester
Linker Histone Phosphorylation Regulates Global Timing of Replication Origin Firing

Pre-Dinner Social (Heather) 5:00 pm – 6:00 pm

Dinner 6:00 pm – 7:00 pm

Saturday, December 13, 2008: 7:00 pm – 9:40 pm

REPLICATION, REPAIR AND FUNCTIONAL REGULATION

Trevor Archer, Chairperson

Grace Leung
University of British Columbia
Functional Characterization of Rtt107 in the DNA Damage Response

Phoebe Lu
University of British Columbia
Deciphering the Circuitry Between Yaf9 and Asf1 in the Context of Chromatin

Ismail Hassan Ismail
University of Alberta
A New Role for Polycomb Group Proteins in DNA Repair

Toru Nakamura
University of Illinois at Chicago
Cell-cycle Regulated Recruitment of DNA Repair, DNA Damage Checkpoint, and Telomere-specific Proteins to Fission Yeast Telomeres

-- 20 min break --

Michael Hendzel
University of Alberta
Poly (ADP-ribosylation) Drives Chromatin Decondensation at Sites of DNA Damage

Daniel DeWoskin
San Francisco State University
Detecting Genomic Instability in Breast Cancer CGH Profiles Using Computational Homology

John Th'ng
Northern Ontario School of Medicine
TBA

Refreshments available at end of evening session

Sunday, December 14, 2008

-- No talks --