SCIENTIFIC PROGRAM

34th Annual International Asilomar Chromatin & Chromosomes Conference

December 13-16, 2012
Asilomar Conference Grounds
Pacific Grove, CA

Organizers:
Mike Goldman, San Francisco State University
Jeff Hansen, Colorado State University, Fort Collins
Cynthia McMurray, Lawrence Berkeley National Lab
Sally Pasion, San Francisco State University
Meeting Reminders:
All meeting sessions, socials, refreshments will be in Kiln (Fireside, on Sinex Avenue).

ALL SPEAKERS: Please plan your talks to be 20 min in length (allow for a 20 minute presentation + 5 additional minutes for questions)

Please upload your talks as early as possible--by 6:00 pm for evening sessions and by 10:30 pm the night before morning sessions.

Soft drinks, beer, wine, and snacks will be served in the meeting room (Kiln) by Asilomar personnel from 8-11 pm on Thursday-Saturday nights.

On Sunday, 12/16/12, coffee and pastries will be available in Kiln from 9am – 12Noon. Box lunches will also be delivered to Kiln on Sunday morning by 9am.

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 DINNER:

Thursday, December 13, 2012: 6:00 pm – 7:00 pm

Schedule of Talks

Thursday, December 13, 2012: 7:15 pm – 9:00 pm

7:15- 7:25 pm
Welcome!

GENES
Jakob Waterborg, Chairperson

Rodrigo Gonzalez-Romero
University of Victoria
Long-term evolution of vertebrate HMGN genes and chromatin specialization

Gerald Holmquist
Shady Cove Cyanobacterial
Apparent twist states in cyanobacterial promoters
Peter Holmquist
California State University, Northridge
Following the twist of promoter DNA by learning, not by proving

Refreshments are available between 8-11 PM in the meeting room

Friday, December 14, 2012: 9:15 am – 11:45 am

NUCLEAR PROTEINS
John Tainer, Chairperson

Hui-Ching Kuo
University of Alaska, Anchorage
WSTF knockdown alters neural crest cells migration and increases cell death in *Xenopus laevis*

Geoff Gudavicius
University of Victoria
Characterization of the prolyl isomerase FKBP25

Dilshad Khan
University of Manitoba
Histone deacetylases and splicing

Jakob Waterborg
University of Missouri-Kansas City
Chromatin maturation dynamics of histone H3 variants in *Ustilago maydis*

Nicole Stopa
University of Alaska, Anchorage
The role of arginine methyltransferase 5 in development
Dinner 6:00 pm – 7:00 pm

Friday, December 14, 2012: 7:15 pm – 9:15 pm

GENOME INSTABILITY AND DISEASE
Cynthia McMurray, Chairperson

Sally Pasion
San Francisco State University
Characterizing genome instability in the fission yeast cdc24 replication mutant

Daniel Newkirk
UC Irvine
Epigenomic analysis of FacioScapuloHumeral muscular dystrophy

Jocelyn Krebs
University of Alaska, Anchorage
Genome instability in an H2A S122A mutant

Philippe Georgel
Marshall University
Role of human leukocyte antigen (HLA-G) in breast cancer

Refreshments available from 8-11 pm

Saturday, December 15, 2012: 9:15 am – 11:45 am

TRANSCRIPTION
Jim Davie, Chairperson

Michelle Chen
UC Irvine
Cohesin's role in gene regulation

Himangi Marathe
University of Toledo
SWI/SNF chromatin remodeling enzymes in Sox10 mediated transcriptional regulation of glial and melanocyte specific genes
Shannon Healy  
University of Manitoba  
Immediate early gene regulation and the nucleosomal response

Christopher Weber  
Fred Hutchinson Cancer Research Center  
Chromatin and transcription, from A to H2A.Z

Gaurav Mehta  
University of Toledo  
SWI/SNF chromatin remodeling enzymes in transcriptional regulation of pathological cardiac hypertrophy

Dinner 6:00 pm – 7:00 pm

Saturday, December 15, 2012: 7:15 pm – 9:15 pm

CHROMATIN AND CHROMOSOME STRUCTURE
Jocelyn Krebs, Chairperson

Weiguo Zhang  
Lawrence Berkeley National Laboratory  
Centromere regulation by cell cycle factors in Drosophila and humans

Sharon Torigoe  
UC San Diego  
Analysis of the conversion of prenucleosomes into periodic arrays of canonical nucleosomes by ATP-driven motor proteins

Hilmar Strickfaden  
University of Alberta  
Studying the ultra-structure of chromatin and DNA repair by modern electron microscopy

Kelly Miller  
UC Berkeley  
Investigating the role of linker histones and their chaperones on mitotic chromosome structure in Xenopus

Refreshments available from 8-11 pm
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