SCIENTIFIC PROGRAM

25th Annual West Coast Chromatin and Chromosomes Conference

December 11-14, 2003

Asilomar Conference Grounds – Pacific Grove, CA

Organizers: Cynthia McMurray, Jeff Hansen & Mike Goldman

ALL SPEAKERS:

* **Plan for a **15 minute presentation** + **5 additional minutes** for questions * *

! PLUS !

Please remember to bring a floppy disk with your abstract for publication in a special issue of BIOCHEMISTRY AND CELL BIOLOGY

Opening Social:

Thursday, December 11th, 2003: 4:30 pm – 6:00 pm

(ask for the location at the front desk when you check in)

Note: Soft drinks, beer, wine, and snacks will be served in the meeting room by Asilomar personnel from **5-6 pm on Friday and Saturday nights**, and from **9-11 pm on Thursday-Saturday nights**.
(Schedule Revised 12/5/2003)

Schedule of Talks

Thursday, December 11, 2003: 7:00 pm – 10:00 pm

7:00– 7:30 pm

Food for thought:

Jeff Hansen
Colorado State University
"Chromatin post-translational modifications: where do the substrates come from?"

7:30– 10:00 pm

CHROMATIN REMODELING

Trevor Archer, Chairperson

Trevor Archer
NIEHS/NIH
"How BRG associated factors (BAFs) influence hormone action *in vivo*"

Jennifer Armstrong
The Claremont Colleges
"Interactions between the Brahma chromatin remodeling factor and signal transduction pathways"

Ralph Bash
University of Arizona
"Tracking nucleosome remodeling events on individual MMTV promoter chromatin arrays *in situ*"

-- 15 min break --

Elvin Brown
University of Alaska-Anchorage
"SWI2/SNF2 homologs in *Xenopus laevis*"

Tony Imbalzano
University of Massachusetts Medical Center
"Role of SWI/SNF chromatin remodeling enzymes in myogenin expression and muscle differentiation"

Alexandre Erkine
University of South Dakota School of Medicine
"Nucleosome displacement at heat shock promoters: direct or indirect recruitment of chromatin remodelers?"

Friday, December 12, 2003: 8:40 am – 12:00 noon

NUCLEAR PROTEINS

Tony Imbalzano, Chairperson

Lindsey Boyles
University of Victoria
"Do all eggs have nucleoplasmin?"

Jason Heale
University of California, Irvine
"Characterization of a 120 kDa protein that interacts with the human condensin complex"

Jianmin Sun
University of Manitoba
"CK2 phosphorylated HDAC2 and partners"

Aruna Yarragudi
"Chromation opening and transactivator potentiation by ABF1 and RAP1 in the budding yeast S. cerevisiae"
Wadsworth Center

-- 15 min break --

Min Yang
University of California, Irvine
"The roles of ADA3 and ADA2 in p53 regulation"

Missag Parseghian
Peregine Pharmaceuticals
"The evolution of histone H1 antibodies in cancer therapeutics part II: improving the therapeutic index of drugs and antibodies targeting chromatin"

Wolfgang Hennig
Shanghai Institutes for Biological Sciences
"Expression of human DNA methylating enzymes, transition proteins, and protamines in *Drosophila* germ male cells"

Isbaal Ramos Hernandez
University of Basque Country
"Interactions between nucleoplasmin (molecular chaperone) and basic proteins: sperm specific basic proteins and histones"

Friday, December 12, 2003: 7:00 pm – 10:00 pm

NUCLEAR STRUCTURE AND FUNCTION I

Mike Hendzel, Chairperson

Emily Wiley
The Claremont Colleges
"A histone deacetylase affects chromatin condensation in the *Tetrahymena* macronucleus"

Zhe Liu
University of Texas Southwestern Medical School
"Higher order chromatin organization of the Ig kappa locus"

Mike Goldman
San Francisco State University
"Nuclear matrix attachment regions and chromosomal translocations in cancer."

Jeff Hayes
University of Rochester
"Histone exchange on active and inactive loci *in vivo*"

Lingyi Chen
Northwestern University
"Role of chromosomal DNA accessibility in gene regulation"

-- 15 min break --

Rozalia Nisman
Hospital for Sick Children, Toronto
"Characterization of interchromatin granule cluster structure and composition through mitosis"

Christopher Eskiw
Hospital for Sick Children, Toronto
"Assembly/disassembly of PML nuclear bodies in response to stress and chromatin condensation"

John Th'ng
Northwestern Regional Cancer Centre
"FRAP analysis of the binding of histone H1 variants in chromatin"

Jocelyn Krebs
University of Alaska-Anchorage
"ISWI chromatin remodeling enzyme is required for *Xenopus* neural development"

Saturday, December 13, 2003: 8:40 am – 12:00 pm

NUCLEOSOME AND CHROMATIN STRUCTURE

Jeff Hayes, Chairperson

Anita Thambirajah
University of Victoria
"To stabilize or destabilize: the structural ying-yang of H2A.Z"

Daniel LoVullo
Arizona State University
"Single molecule FRET analysis of the nucleosome"

Xu Lu
Colorado State University
"The linker histone C-terminal domain and intrinsic protein disorder"

Nicholas Adkins
Marshall University
"MeCP2 and the histone tails"

David Hill
University of Massachusetts Medical School
"Chromatin folding – contributions made by the HMGN proteins"

--15 min break--

Shawna Blaney
Marshall University
"Can GAGA multimers substitute for nucleosomes?"

Steve McBryant
Colorado State University
"Solution structural analyses of Nap1 and Nap1-histone complexes"

Bob Dutnall
University of California, San Diego
"Soluble histones in bacteria: a convenient method for the production of recombinant histones"

Ann Christine Thastrom
Northwestern University
"TA steps in nucleosome positioning"

Guy Poirier
Laval University
"Poly(ADP-ribosylation) and chromatin structure"

Saturday, December 13, 2003: 7:00 pm – 10:00 pm

CHROMATIN MODIFICATIONS

Jocelyn Krebs, Chairperson

John Moore
University of Alaska-Anchorage
"Role for H2A modifications in double strand break repair"

Hui-Ching Kuo
University of Alaska-Anchorage
"Expression of inducible genes in yeast: the yeast copper response and histone H2A modifications"

Erin McKittrick
Fred Hutchinson Cancer Research Center
"Covalent modifications associated with active chromatin are enriched on histone H3.3"

Kirk McManus
Cross Cancer Institute
"Temporal and spatial progression of histone methylation in mammalian cells"

--15 min break--

Tony Annunziato
Boston College
"Properties of the HAT1 histone acetyltransferase"

Bojan Drobic
University of Manitoba
"MSK1, the H3 kinase"

Paula Espino
University of Manitoba
" H3 phosphorylation and estrogen-responsive genes"

Jim Davie
Manitoba Institute of Cell Biology
"Nuclear localizations of Sp1, Sp3, and HDACs"

Sunday, December 14, 2003: 9:00 am – 10:30 am

NUCLEAR STRUCTURE AND FUNCTION II

Sally Pasion, Chairperson

Sally Pasion
San Francisco State University
"Genetic interactions between novel fission yeast replication gene and checkpoint kinases"

Feixiong Zhang
Capital Normal University
"The localization of RNA polymerase III transcription is in or at the edge of the nucleus"

John Tainer
The Scripps Institute
"DNA repair and chromatin remodeling"

Robert-Jan Palstra
ErasmusMC, Netherlands
"The β-globin nuclear compartment in development and erythroid differentiation"

Rama Satyawada
Jai Narain Vyas University
"Chromosome studies in some important arid zone tree species in India"