

Frontiers in Bioinformatics and Systems Biology Colloquium

Winter 2009

Powell-Focht Bioengineering Hall - Fung Auditorium, 11:00 – 12:00 P.M. Thursdays



January 8, 2009

High-Resolution DNA Binding Specificity Profiles of Transcription Factors and cis-Regulatory Codes in DNA

Martha Bulyk, Ph.D.

Brigham & Women's Hospital and Harvard Medical School



January 15, 2009

HIV Escape and Evolution

Douglas Richman, M.D.

Department of Pathology

University of California, San Diego



January 22, 2009

Computational Challenges in Discovering the Genetic Basis of Complex Traits in Inbred Mouse Strains

Eleazar Eskin, Ph.D.

Departments of Computer Science and Human Genetics

University of California, Los Angeles



January 29, 2009

Deciphering the Code: Roles and Regulation of Distinct Phosphoinositide Pools in Drosophila

Amy Kiger, Ph.D.

Division of Biological Sciences

University of California, San Diego



February 5, 2009

Evolution of the Mammalian Transcription Factor Binding Repertoire via Transposable Elements

Guillaume Bourque, Ph.D.

Genome Institute of Singapore



February 12, 2009

Systems Biology of Neurosecretory Vesicles for Cell-Cell Communication: Proteomics and Genomic Approaches

Vivian Hook, Ph.D.

Skaggs School of Pharmacy and Pharmaceutical Sciences

University of California, San Diego



February 19, 2009

Automated Phylogenetic Analysis of Genomic and Metagenomic Data

Jonathan Badger, Ph.D.

J. Craig Venter Institute



March 5, 2009

Comparative Genomics: Mining a Billion Years of Evolution to Understand Cell Signaling, Human Disease, and the Molecular Diversity of Life

Gerard Manning, Ph.D.

Salk Institute for Biological Studies



March 12, 2009

Discovering Regulatory Elements in the Genomes of Human, Plasmodium and Mosquitoes

Xiaohui Xie, Ph.D.

Department of Computer Science

University of California, Irvine