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