

Third Bioinformatics & Systems Biology Expo

Monday, February 28th 2011

Powell-Focht Bioengineering Hall, Fung Auditorium

Reception-CSE 1202

Website: <http://bluegene.ucsd.edu/bexpo03/Introduction.html>

08:00-09:00	Breakfast & Poster set up
09:00-09:20	Opening remarks by Directors Pavel Pevzner and Alex Hoffmann
09:20-10:40	Session I: Student/Faculty Talks
9:20-10:00	“The Changing Face of Scholarly Communication and the Opportunities it Affords the Bioinformatics/Systems Biology Student” Dr. Philip Bourne, Professor of Pharmacology, Associate Director of Protein Data Bank, Editor in Chief of PLoS Computational Biology
10:00-10:20	“A Hidden Markov Model for Specificity in Gene Expression” Kate Hoff
10:20-10:40	“Complex Network of Alternative Splicing by hnRNP Proteins Elucidated by Genome-wide Splicing Arrays and CLIP-seq” Stephanie Huelga
10:40-11:00	Coffee break
11:00-12:20	Session II: Student/Faculty Talks
11:00-11:20	“Quantitative Analysis of the Epigenetic Regulation of Transcription in a Mammalian Cell” Nisha Rajagopal
11:20-11:40	“Allele-specific Regulation Across Differentiation” Matthew Schultz
11:40-12:20	“Enhancing Reverse Vaccinology with Machine Learning” Dr. Christopher Woelk, Assistant Professor of Medicine, Division of Infectious Diseases, Director of Genomics Core-Center for AIDS Research
12:20-2:20	Lunch and Poster Session (outside Fung Auditorium)
2:20-3:40	Session III: Student/Faculty Talks
2:20-3:00	“Decoding the Dynamic Proteome: Discover, Identification, and Localization of Post-Translational Modifications” Dr. Nuno Bandeira, Assistant Professor of Pharmacology and Computer Science, Executive Director of NIH/NCRR Center for Computational Mass Spectrometry
3:00-3:20	“Drug Off-Target Effects Predicted Using Structural Analysis in the Context of a Metabolic Network Model” Roger Chang
3:20-3:40	“Global Elucidation of Transcriptional Response to Key Physiological Parameters in E. coli K12-MG1655” Steve Federowicz
3:40-4:00	Coffee break
4:00-5:20	Session IV: Student/Faculty Talks
4:00-4:20	“Genome-wide Analysis of Cancer Stem Cells” HyunChul Jung
4:20-4:40	“Automated Querying and Identification of Novel Peptides using MALDI Mass Spectrometric Imaging” Jocelyn Bruand
4:40-5:20	“The Glaucoma Exome Project: Lessons About Personal Genomes” Dr. Terry Gaasterland, Professor of Computational Biology and Genomics, Director of Scripps Genome Center
5:20-5:30	Closing Remarks by EXPO Chair - Sergei Kosakovsky Pond
5:30-7:00	Catered Reception (CSE 1202)



Name Badges are required for food. For more information, please contact Graduate Coordinator, Laura Gracia at (858) 822-4948 or lgracia@ucsd.edu