

UC SAN DIEGO'S FIRST BIOINFORMATICS EXPO

The UC San Diego Bioinformatics Expo brings together leading faculty, current, and prospective Bioinformatics graduate students to discuss and present their work. This annual one day symposium offers a unique opportunity for students in the Bioinformatics Program, as well as students interested in the field, to get acquainted with the wide spectrum of research topics.

The event features talks from UC San Diego faculty and students, a panel discussion, and a poster session. All students in the Bioinformatics Graduate Program at UC San Diego in their second year or above are required to participate.



SCHEDULE

9:00-9:30	Breakfast
9:30-9:40	Opening remarks by Chair
9:40-10:45	Faculty Presentations
10:45-11:00	Coffee Break
11:00-12:30	Student Presentations
12:30-12:50	Prospective Student Welcome
12:50-2:00	Lunch
2:00-3:30	Faculty Presentations
3:30-4:00	Panel Discussion
4:00-5:00	Poster Viewing
5:00-6:00	Catered Reception

University of California, San Diego

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University of California, San Diego

BIOINFORMATICS AND SYSTEMS BIOLOGY GRADUATE PROGRAM EXPO



FEBRUARY 27, 2009

**POWELL-FOCHT
BIOENGINEERING HALL**

FUNG AUDITORIUM

EXPO PRESENTATIONS

Morning Faculty Presentations



“Genome-wide Sequencing of Cytosine Methylation”

Dr. Joseph Ecker
Professor of Biology,
Salk Institute
UC San Diego



“State-specific Control of Transcription thru Variant Splicing and MicroRNAs”

Dr. Terry Gaasterland
Professor and Director,
Scripps Genome Center
Scripps Institution of
Oceanography
UC San Diego



“Individualized Genomics”

Dr. Pauline Ng
Senior Scientist,
Genomic Medicine
J. Craig Venter Institute



“Human Genetic Variation and its Contribution to Complex Traits”

Dr. Kelly Frazer
Professor,
Molecular and Experimental
Medicine
The Scripps Research
Institute

Bioinformatics Graduate Student Presentations



“Functional Maps of Protein Complexes from Quantitative Genetic Interaction Data”

Sourav Bandyopadhyay
Fifth year

“Optimization of Primer Design for Detection of Variable Genomic Lesions in Cancer”

Ali Bashir
Sixth year



“Deciphering the Human Epigenome”

Gary Hon
Fifth year



“Design of Synthetic HIV-1 Therapy Virus to Halt the AIDS at the Population Level”

Harish Nagarajan
Second year



“Dereplication and Sequencing of Non-Ribosomal Peptides”

Julio Ng
Fourth year



“Genome-scale Reconstruction of Escherichia Coli’s Transcriptional and Translational Machinery”

Ines Thiele
Fourth year



Afternoon Faculty Presentations

“New Challenges and Opportunities in Protein Network Analysis”

Dr. Trey Ideker
Associate Professor,
Bioengineering
UC San Diego



“Systems Biology of Metabolism”

Dr. Bernhard Palsson
Professor, Bioengineering
UC San Diego



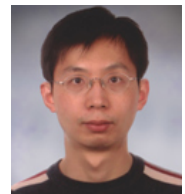
“Mammalian Systems Biology: Mechanisms, Networks, Models and Phenotypes”

Dr. Shankar Subramaniam
Professor, Bioengineering,
Chemistry & Biochemistry
UC San Diego



“Cis-regulation in the Human Genome”

Dr. Kun Zhang
Assistant Professor,
Bioengineering
UC San Diego



“A Temporal Code for Stress-Response Signaling”

Dr. Alexander Hoffman
Associate Professor, Chemistry
Tumor Growth, Invasion &
Metastasis Program,
Co-Director, Bioinformatics
UC San Diego

