

# Frontiers in Bioinformatics and Systems Biology Colloquium

**11:00am – 12:00pm Thursdays**

**Powell-Focht Bioengineering Hall – Fung Auditorium**



September 23, 2010

**Translating bacterial metabolic exchange with imaging mass spectrometry**

**Pieter Dorrestein, Ph.D.**

Departments of Pharmacology, Chemistry & Biochemistry, and Skaggs School of Pharmacy & Pharmaceutical Sciences, UC San Diego



September 30, 2010

**Cellular heterogeneity in models of cancer and metabolism: which differences make a difference?**

**Lani Wu, Ph.D.**

Department of Pharmacology, University of Texas, Southwestern



October 7, 2010

**Algorithmic challenges in proteomics mass spectrometry**

**Nuno Bandeira, Ph.D.**

Department of Computer Science & Engineering and Skaggs School of Pharmacy & Pharmaceutical Sciences, UC San Diego



October 14, 2010

**Risk estimation with applications to model selection and rediscovery curves**

**Ronghui Xu, Ph.D.**

Departments of Mathematics and Family & Preventative Medicine, UC San Diego



October 21, 2010

**Blood gene expression as biomarkers of disease**

**Christopher Woelk, Ph.D.**

School of Medicine, UC San Diego



October 28, 2010

**Comprehensive, quantitative assessment of the nucleic acid binding specificity of proteins**

**Chris Burge, Ph.D.**

Department of Biology, MIT



November 4, 2010

**Dissecting the Mitotic Oscillator**

**Jim Ferrell, Ph.D.**

Departments of Chemical & Systems Biology and Biochemistry, Stanford University



November 18, 2010

**Function dictates network topology**

**Chao Tang, Ph.D.**

Departments of Bioengineering & Therapeutic Sciences, Biochemistry & Biophysics, and California Institute for Quantitative, UC San Francisco



December 2, 2010

**Regulatory networks and polygenic evolution in fungi**

**Rachel Brem, Ph.D.**

Departments of Genetics and Genomics & Development, UC Berkeley