Fall 2009
Frontiers in Bioinformatics and Systems Biology Colloquium

September 24, 2009
Jonathan V. Sweedler, Ph.D. Department of Chemistry, University of Illinois
Unraveling the peptides in the brain with new informatic tools and mass spectrometry-based measurements

October 1, 2009
Johan Paulsson, Ph.D. Department of Systems Biology, Harvard Medical School
Understanding fluctuations in biological systems

October 8, 2009
Yi-Kuo Yu, Ph.D. National Center for Biotechnology Information
RAId_deNovo: from generating spectrum-specific score distribution of all possible peptides to combining search results of multiple scoring functions and more

October 15, 2009
Sergei Kosakovsky Pond, Ph.D. School of Medicine, UC San Diego
Molecular evolution of RNA viruses

October 22, 2009
Leor Weinberger, Ph.D. Department of Chemistry & Biochemistry, UC San Diego
Exploiting Gene Expression Circuitry and Noise for Therapy

October 29, 2009
Shankar Subramaniam, Ph.D. Department of Bioengineering, UC San Diego
Systems Biology and Medicine: mechanisms, pathways, models and phenotypes

November 5, 2009
Lucila Ohno-Machado, MD, Ph.D. School of Medicine Division of Biomedical Informatics, UC San Diego
What’s medical in bio-medical informatics?

November 12, 2009
Kelly Frazer, Ph.D. School of Medicine Department of Pediatrics, UC San Diego
Human genetic variation and its contribution to complex traits

November 19, 2009
Richard Caprioli, Ph.D. Vanderbilt-Ingram Cancer Center, Vanderbilt University
Assessing spatial and temporal proteomics: molecular profiling and imaging of tissues by mass spectrometry

December 3, 2009
Eugene Koonin, Ph.D National Center for Biotechnology Information
Evolutionary Systems Biology: A foundation for a post-modern synthesis?

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