6th Annual Institute for Genomics & Bioinformatics (IGB) Biomedical Informatics Training (BIT) Program Symposium

Donald Bren Hall 6011
Tuesday, May 13th 2008

9:00-9:10 AM Opening Remarks by Pierre Baldi and G. Wesley Hatfield.
9:10-9:15 Symposium Format by Kevin Donovan

Morning Session I

Jonathan Chen, Pierre Baldi

Daniel Clemens, Jason Stagno, Chloe Azencott, Hartmut Luecke, Pierre Baldi, Ruslan Aphasizhev

Pouya Javidpour, Tyler Korman, Sheryl Tsai

10:15-10:35 Regulation of human annexin A2 actin polymerization activity by small-molecule drugs discovered through in silico drug screening. Gabriel Ozorowski, Pierre Baldi, Hartmut Luecke

10:35-10:55 Speeding Up Chemical Database Searches Using a Proximity Filter Based on the Logical Exclusive-OR.
Pierre Baldi, Daniel Hirschberg, Ramzi Nasr

10:55-11:15 Coffee Break

Morning Session II

Peter Shephard, Klemens Hertel

Sam Danziger, Roberta Baroni, Lydia Ho, Peter Kaiser, G Wesley Hatfield, Richard H Lathrop

11:55-12:15 PM Engineering protein-based biomaterials with tunable mechanical properties using atomic force microscopy, protein engineering, and molecular dynamics.
Dora Guzman, Arlo Randall, Pierre Baldi, Z. Guan

12:15-1:15 Lunch Break

Afternoon Session I

1:15-1:35 Application of Conditional Random Fields to Dyad Transcription Factor Binding Site Analysis.
Kenneth Daily, Nate Hoverter, Suman Sundaresh, Marian L.Waterman, Pierre Baldi

1:35-1:55 Parameter Estimation for Protein Microarray Normalization.
Matt Kayala, Pierre Baldi

Gene-Errol Ringpis, Sam Danziger, Hartmut Luecke, Richard Lathrop, Ruslan Aphasizhev

Eric Schow, J Alfredo Freites, Stephen H White, Douglas J Tobias

2:35-2:55 Computationally Searching the Genome for Novel JNK Substrates.
Thomas Whisenant, David Ho, Ryan Benz, Frank Antilla, Pierre Baldi, Lee Bardwell

2:55-3:15 Coffee Break

Afternoon Session II

3:15-3:35 Genome-wide Identification of FXR Binding Site in mice by Using ChIP-on-chip Microarray.
Hansook Kim Chong, Kenny Daily, Tae II Jeon, Peter Edwards, Xiaohui Xie, Tim Osborne

3:35-3:55 Modeling the Methionine Dependent Phenotype of Cancer Cells.
Keith Booher, Eric Mjolsness, Peter Kaiser

Todd Johnson, Eric D. Mjolsness, Lee Bardwell

Ivan Chang, Thierry Letellier, Douglas Wallace, Pierre Baldi