

Workshop II: Medical Applications and Protein Networks

Monday April 19, 2004

- 8:00–8:45 *Check-In/Light Breakfast (Hosted by IPAM)*
- 8:45–9:00 *Welcome and Opening Remarks*
- 9:00–10:00 **Allan Butterfield** (University of Kentucky)
Proteomics Analysis of Oxidatively Modified Proteins in Alzheimer's Disease Brain: New Insights Into Mechanisms of Neurodegeneration
- 10:00–10:30 *Break*
- 10:30–11:30 **John Yates** (Scripps Research Institute)
Towards Comprehensive Proteomic Analysis of Cells and Tissues
- 11:30–1:30 *Lunch (on your own)*
- 1:30–2:30 **Kevin Wang** (University of Florida)
Applying Proteomics in Brain Injury Studies.
- 2:30–3:00 *Break*
- 3:00–4:00 **Lisa Ellerby** (Buck Institute for Age Research)
Proteomics of Polyglutamine Expansion Diseases
- 4:00–5:00 **Kelvin Lee** (Cornell University)
Proteomics and the Antemortem Diagnosis of Neurodegenerative Diseases
- 5:00–7:00 *Wine Reception (Hosted by IPAM)*

Tuesday April 20, 2004

- 8:30–9:00 *Continental Breakfast*
- 9:00–10:00 **Brian Chait** (Rockefeller University)
Proteomic Tools for Dissecting Cellular Function
- 10:00–10:30 *Break*
- 10:30–11:30 **Katheryn Resing** (University of Colorado)
Proteomics Studies for Signal Transduction Research and in Characterizing Melanoma Cell Lines with Different Tumorigenic and Metastatic Potential
- 11:30–1:30 *Lunch (on your own)*
- 1:30–2:30 **Robert Hughes** (Prolexys Pharmaceuticals)
Protein interaction mapping and human disease: Studies of Huntington's disease and Malaria.
- 2:30–3:00 *Break*

(Tuesday schedule continued on next page)



(Tuesday schedule continued from previous page)

- 3:00–4:00 **James Liao** (UCLA)
Network Component Analysis
- 4:00–5:00 **Joseph Loo** (UCLA)
Protein Complexes as Viewed by Mass Spectrometry

Wednesday April 21, 2004

- 8:30–9:00 *Continental Breakfast*
- 9:00–10:00 **Richard Smith** (Environmental Molecular Sciences Laboratory)
Advanced Comprehensive and Quantitative Proteomics Technologies for Medical Applications
- 10:00–10:30 *Break*
- 10:30–11:30 **Jennifer Van Eyk** (Johns Hopkins University)
Proteomics of heart disease...from molecular mechanisms to clinical diagnostics
- 11:30–1:30 *Lunch (on your own)*
- 1:30–2:30 **Peipei Ping** (UCLA)
Functional proteomic characterization of multiprotein complexes in ischemia and cardiac protection
- 2:30–3:00 *Break*
- 3:00–4:00 **Maria Pallavicini** (University of California at Merced)
TBA
- 4:00–5:00 **Thomas Graeber** (UCLA)
Phosphorylation profiling of cancer using mass spectrometry

Thursday April 22, 2004

- 8:30–9:00 *Continental Breakfast*
- 9:00–10:00 **Tatiana Nikolskaya** (GeneGo Inc)
Analysis of Proteomics Data in the Context of Human Systems Biology
- 10:00–10:30 *Break*

(Thursday schedule continued on next page)

(Thursday schedule continued from previous page)

- 10:30–11:30 **Jonathan Weissman** (University of California at San Francisco)
Global analysis of the yeast proteome
- 11:30–1:30 *Lunch (Hosted by IPAM)*
- 1:30–2:30 **Michael Apicella** (University of Iowa)
Use of a proteomic approach to identify secreted proteins of Neisseria gonorrhoeae
- 2:30–3:00 *Break*
- 3:00–4:00 **Luis P. Villarreal** (University of California at Irvine)
TBA
- 4:00–5:00 **Tina Guina** (University of Washington)
Proteomics in analysis of bacterial pathogens

Friday April 23, 2004

- 8:30–9:00 *Continental Breakfast*
- 9:00–10:00 **David Goodlett** (University of Washington)
Quantitative mass spectrometry to define subcellular fractions: insights to peroxisome biology.
- 10:00–10:30 *Break*
- 10:30–11:30 **Rong Wang** (Mount Sinai School of Medicine)
Reduce Fat ? – Proteomic Study of Lipid Droplet in Adipocyte
- 11:30–11:40 *Break*
- 11:40–12:40 **Bradford Gibson** (Buck Institute for Age Research)
The Mitochondrial Proteome and its Implications in Neurodegenerative Disease
- 12:40–1:00 *Conclusion*

