



2011 All-Hands Meeting

Hilton Rockville  
Plazas I and II

April 14–15, 2011

## Agenda

### Thursday, April 14

- 7:30–8:30 a.m. Registration, Poster Set-Up, and Light Refreshments
- 8:30–8:35 a.m. Welcome, *Doug Sheeley, National Center for Research Resources (NCRR)*
- 8:35–8:45 a.m. Opening Remarks, *Jef Boeke, Johns Hopkins University School of Medicine's Technology Center for Networks and Pathways (TCNP)*
- 8:45–9:20 a.m. "Overview of Progress and Challenges at the National Center for Dynamic Interactome Research (NCDIR)" **John Aitchison, Institute for Systems Biology, Seattle**
- 9:20–9:55 a.m. "Characterizing the Function of Transcription Regulatory Networks in Archaea: The Response to Environmental Extremes" **Amy Schmid, Duke University**
- 9:55–10:30 a.m. "How Cells Decide to Proliferate" **Benjamin Tu, University of Texas Southwestern Medical Center**
- 10:30–11:00 a.m. BREAK**
- 11:00–11:35 a.m. "Mapping and Modeling Spatial Aspects of Cell Signaling" **Bridget Wilson, University of New Mexico School of Medicine**
- 11:35 a.m.–12:10 p.m. "A Systems Biology Approach to the Identification and Validation of Non-Oncogene Addiction in Human Malignancies" **Andrea Califano, Columbia University**
- 12:10–1:30 p.m. LUNCH**
- 1:30–2:05 p.m. "Overview of the Carnegie Mellon University TCNP Center" **Alan Waggoner, Carnegie Mellon University**
- 2:05–2:40 p.m. "Single Molecule Studies of Cell Signaling Proteins" **Keith Lidke, University of New Mexico**
- 2:40–3:15 p.m. "Segmentation by the Numbers" **Thomas Gregor, Princeton University**
- 3:15–3:45 p.m. BREAK**
- 3:45–4:20 p.m. "Probing the Human Phosphorylome" **Heng Zhu, Johns Hopkins University School of Medicine**
- 4:20–4:55 p.m. "Semisynthetic Strategies to Analyze the Regulation of Protein Kinase CK2 by Post-Translational Modification" **Phil Cole, Johns Hopkins University School of Medicine**
- 4:55–5:35 p.m. "Commercialization of Science: Networks to Drug Discovery" **Keynote Speaker: Lansing Taylor, University of Pittsburgh Drug Discovery Institute**
- 6:00–8:00 p.m. DINNER ON YOUR OWN**
- 8:00–10:00 p.m. POSTER SESSION RECEPTION**

**Friday, April 15**

**8:50 a.m.**

**CONVENE**

9:00–9:35 a.m.

“Enabling Comprehensive Proteomics Measurements Using the Complete Human Peptide- and SRM Atlas” **Rob Moritz, Institute for Systems Biology, Seattle**

9:35–10:10 a.m.

“Identification of Lysine Succinylation as a New Post-Translational Modification” **Yingming Zhao, The University of Chicago**

10:10–10:45 a.m.

“Determining the Structures of Macromolecular Assemblies by Aligning Interactions Networks Electron Microscopy Density Maps” **Andrej Sali, University of California, San Francisco**

**10:45–11:15 a.m.**

**BREAK**

11:15–11:50 a.m.

“Development of Tools for Proteomic Analysis in Trypanosomes” **Samson Obado, The Rockefeller University**

11:50 a.m.–12:25 p.m.

“New Multicolor Fluorogens” **Bruce Armitage, Carnegie Mellon University**

**12:25–1:30 p.m.**

**LUNCH**

1:30–2:05 p.m.

“Spatial Dynamics of Cell Signaling” **Lee Bardwell, University of California, Irvine**

2:05–2:40 p.m.

“Genetic Clocks from Engineered Oscillators” **Jeff Hasty, University of California, San Diego**

2:40–3:10 p.m.

“From Proteome to MAbome” **Ignacio Pino, Chief Executive Officer, Custom-Designed Immunologics Laboratories, Inc., Mayaguez, Puerto Rico**

**~ MEETING ADJOURNED ~**