

**Biomedical Technology Research Centers
2008 Principal Investigators Meeting**

**Multiscale Technologies for Biomedical Research
November 13th, 2008**

Agenda

8:45 – 9:15 am

Welcome

- Introduction by NCRR and NIBIB Leadership
- Dr. Barbara Alving, Director, NCRR
- Dr. Belinda Seto, Deputy Director, NIBIB

9:15 – 10:55 am

Impact of Biomedical Research Technologies, Jim Prestegard

- Richard Boucher
Kenan Professor of Medicine, Director, Cystic Fibrosis/Pulmonary Research & Treatment Center, University of North Carolina
- Preston Hensley
Pfizer Global Research and Development, Pfizer Central Research, Groton, CT
Drug Discovery - Fundamental Challenges, National Issues
- Scott Weaver
Vice Chair for Research & Professor, Department of Pathology, University of Texas Medical Branch
- Alan Rick Horwitz
Professor of Cell Biology and Director of Cell Migration Consortium, University of Virginia
The Cell Migration Consortium: Conjoining Quantitative Imaging and Modeling

10:55 – 11:15 am

Panel Discussion: Optimizing the Impact of P41 Technologies

11:15 – 12:45 pm

Lunch and Posters

12:45 – 2:25 pm

Multiscale Biomedical Technologies, Stan Opella

- Andrew McCulloch
Professor and Chair, Department of Bioengineering, University of California, San Diego
- Thomas E. Ferrin, *Professor of Pharmaceutical Chemistry and Biopharmaceutical Sciences, Chair, Biological and Medical Informatics Graduate Program, Director, Resource for Biocomputing, Visualization, and Informatics and the UCSF Computer Graphics Laboratory* Visualization Tools for Interactive Modeling of Biological Structures at Multiple Scales
- Bruce Tromberg
Professor, Biomedical Engineering, Director, Laser Microbeam and Medical Program, Beckman Laser Institute, University of California, Irvine.
Tissue Optical Imaging Using Spatially Modulated Structured Illumination
- Claude Lechene
Director, National Resource for Imaging Mass Spectrometry, Professor of Medicine, Harvard Medical School

2:25 – 2:45 pm

Panel Discussion: Bridging the scales within and between BTRCs

2:45 – 3:30 pm

Break and poster viewing

3:30 – 5:10 pm

Informatics and Translational Technologies in CTSA Projects, Al Burlingame

- Barry S. Coller
David Rockefeller Professor of Medicine and Head, Laboratory of Blood and Vascular Biology, Rockefeller University
An Ontology-Driven Bleeding History Phenotyping System to Pool Data Across Sites
- Mark Chance
Professor and Director, Case Center for Proteomics and Mass Spectrometry, Case Western University
Integrating -omics data for Translational Science
- Christopher R. Johnson, *Director, Scientific Computing and Imaging Institute (SCI), Co-Director, Center for Integrative Biomedical Computing, Distinguished Professor of Computer Science, University of Utah.* Computational Infrastructure for Multiscale Biomedical Modeling, Simulation, and Visualization
- Carolyn Cidis Meltzer, MD FACR
William P. Timmie Professor and Chair of Radiology Associate Dean for Research, Emory University School of Medicine

5:10 – 5:30

Panel Discussion: Opportunities for BTRCs to Impact CTSA