The Third Annual CCTS Scientific Meeting
Friday, May 18, 2012, The Ohio State University Biomedical Research Tower

The Integration of “Omics” into Clinical and Translational Research

7:00 AM – 8:00 AM Registration and Continental Breakfast

8:00 AM – 8:15 AM Welcome
Michael Freitas, PhD
Associate Professor, Department of Molecular Immunology, Virology and Medical Genetics, The Ohio State University, Chairman of the 2012 CCTS Scientific Meeting Organizing Committee

Opening Remarks
Rebecca D. Jackson, MD
Principal Investigator and Director, Center for Clinical & Translational Science, The Ohio State University

8:15 AM – 9:15 AM Translational Therapeutics Development at NIH
Christopher P. Austin, MD
Scientific Director, Center for Translational Therapeutics (NCTT), National Institutes of Health (NIH); Director of the Division of Preclinical Innovation, National Center for Advancing Translational Sciences (NCATS), NIH

9:15 AM – 10:15 AM Toward a Metabolomics Platform for Human Disease
Robert Gerszten, MD
Director of Clinical and Translational Research for the Massachusetts General Hospital (MGH) Institute for Heart, Vascular and Stroke Care; Senior Associate Member of the Broad Institute

10:15 AM – 10:30 AM Break

10:30 AM – 11:00 AM Increase Drug Efficacy and Decrease Toxicity for Each Patient: A Mandate for Pharmacogenomics
Wolfgang Sadee, Dr.rer.nat.
Felts Mercer Professor of Medicine and Pharmacology; Director, Program in Pharmacogenomics, College of Medicine, The Ohio State University

11:00 AM – 11:30 AM Lipidomics in Clinical and Translational Research: Catching the Greasy Biomarkers of the Metabolome
Narasimham L. Parinandi, PhD
Associate Professor, Pulmonary, Allergy, Critical Care & Sleep, Division of Pharmacology, College of Pharmacy, The Ohio State University
11:30 AM – 12:00 PM  
*Have the “New Omics” Approaches Provided New Insights into the Pathogenesis and Management of Lupus Nephritis?*

**Brad H. Rovin, MD, FACP, FASN**  
Professor and Director, Division of Nephrology; Vice Chair for Research, Department of Internal Medicine, The Ohio State University

12:00 PM – 1:30 PM  
*Lunch and Meet the Professors Workshops (at 12:15)*

- **Demystifying & Clarifying Holistic Innovation**  
  **Michael Bills,** Executive director, The Innovation Initiative, The Ohio State University Fisher College of Business

- **Novel Computational and High Throughput Technologies**  
  **Chandan Sen, PhD** (session chair), Department of Surgery, OSU  
  - Raghu Machiraju, PhD, Computer Science & Engineering, Wright Center of Innovation, OSU  
  - Kun Huang, PhD, Computer Science & Engineering, Biomedical Informatics, OSU  
  - Pearlly Yan, PhD, Molecular Virology, Immunology & Medical Genetics, OSU  
  - Ralf Bundschuh, PhD, College of Arts and Sciences, Departments of Physics and Biochemistry, OSU

- **Small Molecule Epigenetic Modulation – PRMT5 as an Example**  
  **Pui-Kai (Tom) Li, PhD** (session chair), Division of Medicinal Chemistry and Pharmacognosy, College of Pharmacy, OSU  
  - Chenglong Li, PhD, Division of Medicinal Chemistry, College of Pharmacy, OSU  
  - Robert Baiocchi, MD, PhD, Division of Hematology and Oncology, College of Medicine, OSU  
  - Said Sif, PhD, Department of Molecular & Cellular Biochemistry, College of Medicine, OSU

1:30 PM – 2:30 PM  
*Systems Approaches to Molecular Diagnostics*

**Nathan D. Price, PhD**  
Associate Professor at the Institute for Systems Biology, Affiliate Associate Professor in the Departments of Bioengineering and Computer Science & Engineering at the University of Washington

2:30 PM – 3:15 PM  
*Predictive Systems Toxicology: A Vision for Battelle*

**Michael Holsapple, PhD, ATS**  
Senior Research Leader, Systems Toxicology, Battelle Memorial Institute, Columbus, OH

3:15 PM – 4:30 PM  
*Poster Session, Poster Awards, Networking and Refreshments*