Emerging Paradigms for Drug Discovery and Development

October 3-4, 2008

UT M. D. Anderson Cancer Prevention Building, Houston

Co-Chairs:

George M. Stancel
Dean of the Graduate School of Biomedical Sciences,
University of Texas Health Science Center at Houston

Timothy Palzkill
Professor and Chair of Pharmacology,
Baylor College of Medicine

Agenda

Day 1: Friday, October 3

7:30 am - 8:20 am  Registration, Poster set-up, and light refreshments
8:20 am - 8:30 am  Welcome: George Stancel and Tim Palzkill
8:30 am - 10:30 am  Plenary Session I: Biomarkers

  Session Chair:

  David Loose, Ph.D. Associate Professor, Integrative Biology &
  Pharmacology, UT Health Science Center-Houston

  Speakers:

  Biomarker Identification Using Gene Expression Microarrays
  Adrian V. Lee, Ph.D., Associate Professor, Lester and Sue Smith
  Breast Center, Baylor College of Medicine

  Title TBA
  Vikas Kundra, Ph.D., Associate Professor, Diagnostic Radiology,
  UT M. D. Anderson Cancer Center

  The Challenge of Biomarker Development
Stephen M. Hewitt, M.D., Ph.D., Tissue Array Research Program, Advanced Technology Center, Center for Cancer Research, National Cancer Institute

10:30 am - 12:00 pm Poster Session I
12:00 pm - 1:00 pm Lunch
1:00 pm - 2:00 pm Keynote Address:

**Pharmacometrics 2020**
Jogarao V. Gobburu, Ph.D., Director, Pharmacometrics, Office of Clinical Pharmacology, Center for Drug Evaluation and Research, Food and Drug Administration (FDA)

2:00 pm - 4:00 pm Plenary Session II: High Throughput Screening in Drug Discovery

Session Chair:

Peter J. Davies, M.D., Ph.D., Executive Vice President for Research, UT Health Science Center at Houston

Speakers:

**Title TBA**
Rich Heyman, Ph.D., San Diego, CA

**Androgen Receptor Functional Analyses Using a High Throughput Systems Biology Approach**
Adam Szafran, Department of Molecular and Cellular Biology, Baylor College of Medicine

**Harnessing Cell-based RNAi Screens for Target Identification**
Geoffrey Bartholomeusz, Ph.D., Assistant Professor, Department of Experimental Therapeutics, UT M. D. Anderson Cancer Center

4:00 pm - 5:30 pm Poster Session II
5:30 pm - 6:30 pm Poster viewing and Reception

Day 2: Saturday, October 4

8:00 am - 8:30 am Poster setup and light refreshments
8:30 am - 10:00 am Poster Session III
10:30 am - 12:00 pm Plenary Session III: Systems Biology

Session Chair:
George Stancel, Ph.D., Dean, Graduate School of Biomedical Sciences, UT Health Science Center at Houston

Speakers:

**Targeting Cancer Signaling Network Using a Systems Biology Approach**  
Prahlad Ram, Ph.D., Assistant Professor, Molecular Therapeutics, UT M. D. Anderson Cancer Center

**Network Analysis in Systems Biology and Systems Pharmacology**  
Avi Ma’ayan, Ph.D., Assistant Professor, Pharmacology and Systems Therapeutics, Mount Sinai School of Medicine

**Network-guided Search for Biological Hypotheses**  
Luay Nakhleh, Ph.D., Assistant Professor, Computer Science, Rice University

12:00 pm – 12:30 pm Poster award winners and closing remarks

12:30 pm – 4:00 pm Family outdoor picnic in Hermann Park  
Families welcome - food and games provided