



18th Keck Center Annual Research Conference

Sponsored by the Gulf Coast Consortia /
Keck Center Interdisciplinary Bioscience Research and Training

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 at 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

Imaging in Drug Discovery and Development

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:

***Development and Application of a Highly Automated Small
Molecule Drug Discovery Platform***

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