



John S. Dunn GCC
for Chemical Genomics

SMALL MOLECULES FOR RESEARCH AND MEDICINE



“A Workshop on High Throughput/High Content Screening & Applications to Target-based Drug Discovery Research”

Austin Regional Workshop hosted by Gulf Coast Consortia for Chemical Genomics (GCC-CG) and The Texas Institute for Drug and Diagnostic Development (TI3D)

Monday, September 27, 2010

ACES Building 2.204

The University of Texas at Austin

For registration and more information:

<https://cohesion.rice.edu/Services/EventReg/?event=UTA1>

Contact: Eun Jeong Cho, Ph.D. euncho@mail.utexas.edu

Catherine L. Higgins, Ph.D. (Catherine.L.Higgins@rice.edu)

Yvonne Murray, ymurray@mail.utexas.edu

Due to the limited space, registration is requested by Sep 22nd.

Admission and breakfast start at 8:30am.

Lunch is sponsored by
Sigma-Aldrich Co. Ltd

SIGMA-ALDRICH®



Texas Institute for Drug and Diagnostic Development

Transforming Basic Research into Tools for Better Health

1 University Station, A5300, Austin, TX 78712

A Workshop on High Throughput / High Content Screening and Applications to Target-based Drug Discovery Research

John S. Dunn GCC Consortium for Chemical Genomics

Monday, September 27, 2010

ACES Building 2.402

The University of Texas at Austin

Austin, Texas

Agenda

- 8:30 am Check-in and Continental Breakfast
- 9:00 am **Welcome and Introductions**
Brent Iverson, Ph.D., Chair, Chemistry Department, University of Texas at Austin (UT Austin)
- 9:15 am **Overview of the John S. Dunn Gulf Coast Consortium for Chemical Genomics (GCC CG)**
Peter Davies, M.D., Ph.D., Co-Director, GCC CG, Provost and Executive Vice President for Research, University of Texas Health Science Center at Houston (UTHSC-H)
- 9:45 am **Overview of High-throughput Screening and the GCC Screening Core**
Cliff Stephan, Ph.D., Director, GCC High-throughput/High-content Screening Core, UTHSC-H
- 10:15 am **Overview of High Content Screening and the Imaging Facility**
Michael Mancini, Ph.D., Co-Director, GCC CG, Associate Professor, Department of Molecular & Cellular Biology, Baylor College of Medicine
- 10:45 am **Overview of siRNA Screening**
Geoff Bartholomeusz, Ph.D., Director, siRNA Core, Department of Experimental Therapeutics, University of Texas M. D. Anderson Cancer Center (UTMDACC)
Ryan Graham, Research Assistant, siRNA Core, UTMDACC
Geoff Grandjean, Senior Research Assistant, siRNA Core, UTMDACC
- 11:15 am **Overview of TI-3D and the Automation Facility**
Brent Iverson, Ph.D., Chair, Chemistry Department, UT Austin
Eun Jeong Cho, Ph.D., Automation and High Throughput Screening Facility Director, Texas Institute for Drug & Diagnostic Development (TI-3D), UT Austin
- 11:45 pm **Overview of TI-3D Genomic Sequencing and Analysis Facility**
Scott Hunicke-Smith, Ph.D., Director, Genome Sequencing and Analysis Facility, UT Austin
- 12:15 pm Lunch
- 1:00 pm **Fragment screening for inhibitors to block nitric oxide production**
Walter Fast, Ph.D., Associate Professor, College of Pharmacy, Medicinal Chemistry Division, UT Austin
- 1:30 pm **Multiplanar Autofocus Performance and Kinetic Image Cytometry of Paced hSC-Derived Cardiomyocytes**
Jeffrey Price, M.D., Ph.D., Associate Professor, Sanford-Burnham Medical Research Institute
- 2:15 pm Discussion about maximizing screening capability in Texas
- 2:45 pm Tour of TI-3D and Automation Facility and Genomic Sequencing and Analysis Facility