CHEMICAL
GENOMICS 101
Course Outline

April 20, 2006

National Institute Of Environmental Health Sciences
Rodbell Auditorium, Rall Building

Instructors
Christopher Austin, M.D.  Director, NIH Chemical Genomics Center
Jim Inglese, Ph.D.  Deputy Director, NIH Chemical Genomics Center

Thursday, April 20, 2006
9:30 - 11:30 am  Introduction to Chemical Genomics  Dr. Austin

• What is “Chemical Genomics”?  
• What is the mission of the NCGC, and the Molecular Libraries Roadmap?
• How does the NCGC do screening?

What is meant by “assay” in HTS parlance  Dr. Inglese

• What kinds of assays can be run via HTS generally?
• What kinds of assays can be run at the NCGC?

11:30 – 12:30 pm  Lunch

12:30 - 1:30 pm  Nuts and bolts of how to convert a lab-based assay to HTS format  Dr. Inglese

• Caveats in interpreting HTS data  Dr. Inglese

Profiling assays at the NCGC  Dr. Austin

The tox profiling collaboration with NIEHS/NTP/EPA  Dr. Austin