



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
	<ul style="list-style-type: none">• 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
	<ul style="list-style-type: none">• 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	<i>Lunch</i>	
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