



# 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"><li>• What is "Chemical Genomics"?</li><li>• What is the mission of the NCGC, and the Molecular Libraries Roadmap?</li><li>• How does the NCGC do screening?</li></ul>	
	What is meant by "assay" in HTS parlance	Dr. Inglese
	<ul style="list-style-type: none"><li>• What kinds of assays can be run via HTS generally?</li><li>• What kinds of assays can be run at the NCGC?</li></ul>	
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