

# Meeting of the National Centers for Systems Biology

## July 10-11, 2008

All talks are in Lewis-Thomas Lab 003.

July 10 lunch & dinner are in the Carl Icahn Lab Atrium. Seating for July 11 box lunch will also be available in the Atrium.

### Wednesday, July 9

Evening arrival and lodging check-in

### Thursday, July 10

8:00-8:30am	Morning refreshments
8:30-8:45am	Welcome/Introduction, <b>David Botstein</b>
8:45-9:45am	Keynote Talk, <b>Arnold J. Levine</b> , Professor, The Simons Center for Systems Biology at the Institute for Advanced Study Title – Single nucleotide polymorphisms in the p53 pathway
9:45-10:00am	Break
10:00-11:00am	<b>Center for Complex Biological Systems (Univ. of California, Irvine)</b> <b>Arthur Lander</b> , Control Challenges in Growth and Patterning <b>Qing Nie</b> , Computational Tools for Spatial Dynamics
11:00am-Noon	<b>Center for Cell Decision Processes (MIT/Harvard Medical School)</b> <b>Peter Sorger &amp; Bjorn Millard</b> - A Systems-level Approach to Genetic and Non-genetic Variation in Cell Signaling Pathways
Noon-1:00pm	Lunch, Carl Icahn Lab Atrium
1:00-2:00pm	<b>Center for Quantitative Biology (Princeton University)</b> <b>Manuel Llinás</b> - A Metabolic Link to Cerebral Malaria? <b>Olga Troyanskaya</b> - Using computation to discover biological knowledge from data in functional genomics
2:00-3:00pm	<b>Center for Genome Dynamics at the Jackson Laboratory</b> <b>Gary Churchill</b> , Developing the laboratory mouse as a tool for systems biology <b>Rachael Hageman</b> - Bayesian Methods for Analyzing Metabolic Systems <b>Petko Petkov</b> , The recombinational anatomy of mouse chromosomes
3:00-3:30pm	Break
3:30-4:30pm	<b>New York Center for Systems Biology (Mount Sinai)</b> <b>Ravi Iyengar</b> - Intro to SBCNY Activities and Systems Biology Education in a Medical School <b>Lakshmi Arehole Devi and Suzanne Scarlata</b> - Imaging Regulatory Loops in Opiate Addiction <b>Avi Ma'ayan</b> - Computational tools and databases to study signaling networks
4:30-5:30pm	<b>Duke Center for Systems Biology (Duke University)</b> <b>Philip Benfey</b> -The Duke Center for Systems Biology

5:30-7:00pm Reception & Poster Session, Carl Icahn Lab Atrium  
7:00-8:15pm Dinner, Atrium  
8:15-9:30pm Talk by **Shirley M. Tilghman**, President, Princeton University (title tba)

**Friday, July 11**

8:30-9:00am Morning refreshments  
9:00-10:00am **Center for Systems Biology (Institute for Systems Biology)**  
**Leroy Hood** - Institute for Systems Biology  
**Greg Carter** - Systems Genetics of Yeast Cell Differentiation  
**Aimee Dudley** - Integrating Spatial Dynamics and Genetic Variation into Systems Biology  
10:00-11:00am **Center for Modular Biology (Harvard University)**  
**Megan McClean** - Signal Processing by the HOG MAP kinase pathway  
**Katharina Ribbeck** - Breaking through the mucus barrier  
11:00-11:30am Wrap-up closing remarks  
11:30am-1:00pm Grab 'n' Go box lunch outside LTL 003  
**(Principal Investigators take lunch to Carl Icahn Room 200 for Executive Session to 1:00pm.)**