

W O R K S H O P

Organized by the

Center for Computational Biology and Bioinformatics
University of Pittsburgh School of Medicine

Computational Methodology in Modeling Complex Biological Systems

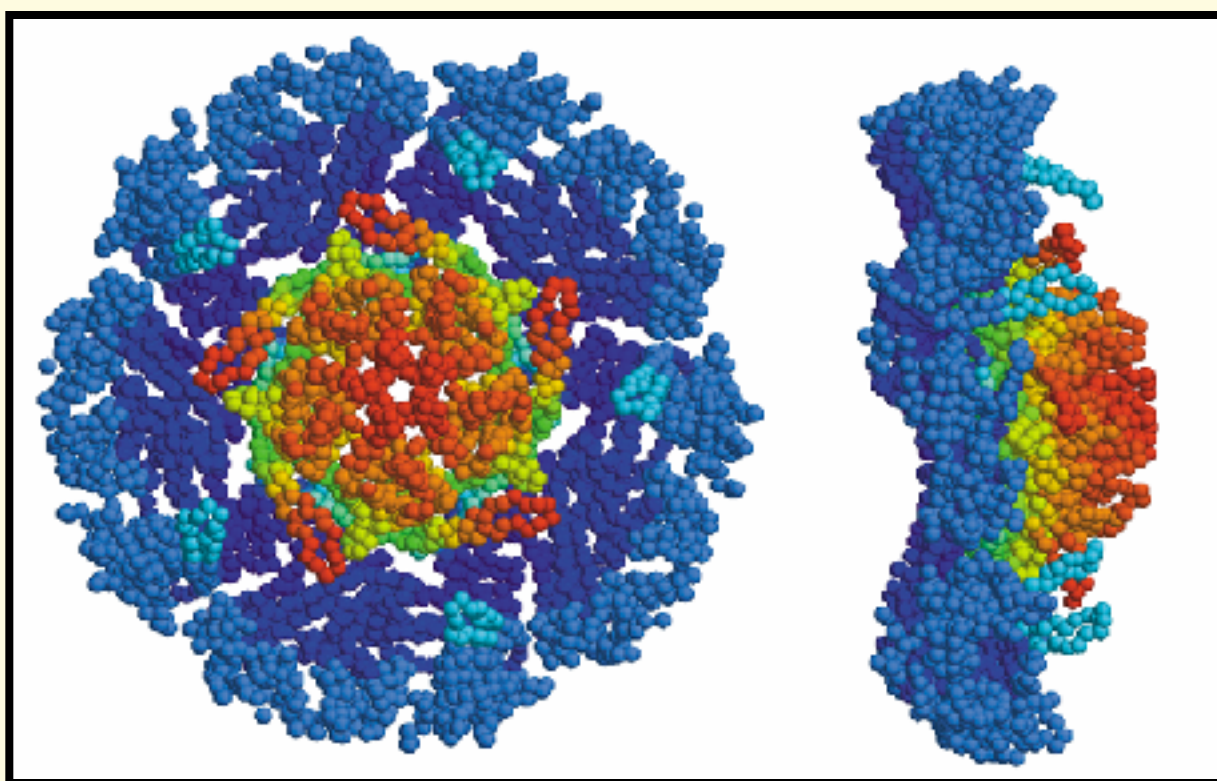
October 13, 2004

9 am - 1 pm

Mellon Institute Social Room

This is the second scheduled workshop within the scope of the NIGMS-funded Pre-NPEBC project. The goal is to focus on "computational models and methods" developed and used by researchers in the Pittsburgh area for investigating complex biological systems at molecular, supramolecular, and subcellular/cellular levels, and the integration of these methods. A major objective of this workshop is to allow the computational-theoretical-mathematical researchers to exchange ideas, and thereby strengthen collaborative interaction among different groups.

- I. Molecular Simulations - Chair: Dr. Carlos Camacho (CCBB, Pitt)**
- II. Supramolecular Simulations - Chair: Dr. Joel Stiles (PSC/CMU)**
- III. Subcellular/Cellular Simulations - Chair: Dr. Ivan Maly (CCBB, Pitt)**



Front and lateral views of the mobilities in the first global mode, calculated by the Gaussian Network Model (ignm.ccbb.pitt.edu) for a substructure of the HK97 bacteriophage capsid, color-coded according to residue fluctuations (red, most mobile, blue, least mobile).
Image courtesy: Rader, Vlad & Bahar, CCBB, Pitt

www.ccbb.pitt.edu/pcbc

Light lunch will be provided. RSVP to rajan@pitt.edu

Supported by the NIH/NIGMS
Pre-National Program for Excellence in Biomedical Computing (Pre-NPEBC)