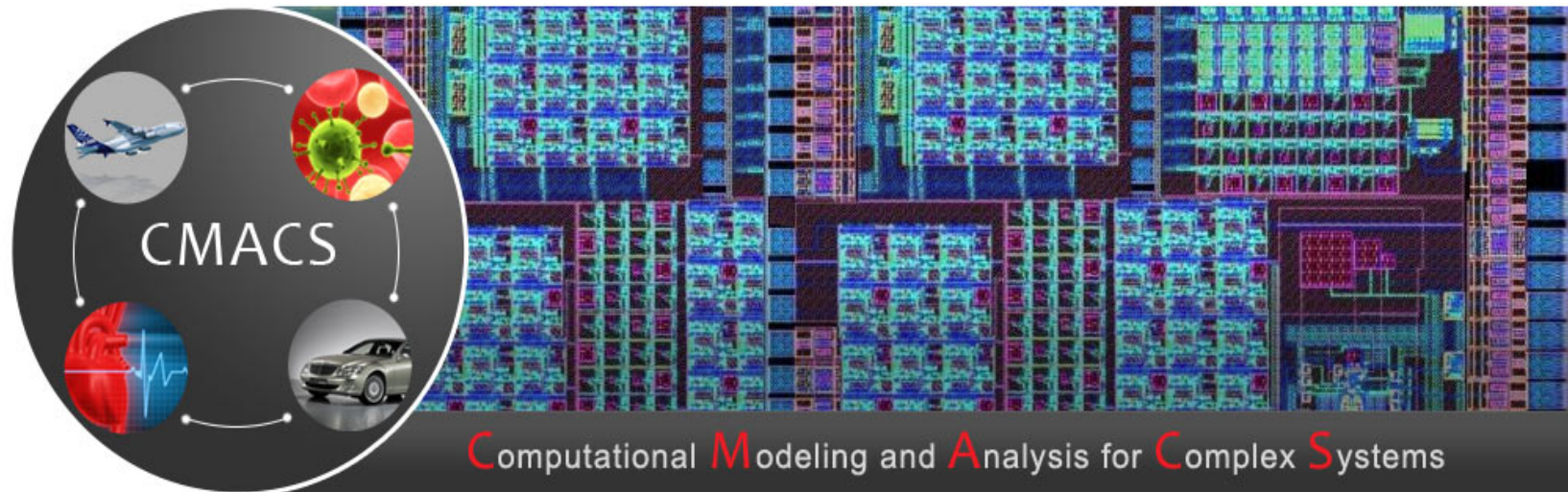


2014 NSF-CMACS Workshop on Cellular Signaling Pathways



Are you interested in how cells work? Would you like to know how do they decide to grow. to move. to split. or to die? Do you like working with high-performance computers? Would you like a career in biology, medicine, computer science, or math, or even a career combining all of these fields? Does discovering new things excite you?

Every winter Lehman College holds an NSF-sponsored workshop on modeling complex systems, for undergraduate students. The students attending the workshop use and develop software and computational tools to learn about the behavior of biological systems. Each year, students work on a research project involving cutting-edge research.

Workshop Web site: <http://www.lehman.cuny.edu/academics/cmacs/2014-main.php>



research career would be like.

Group picture of students attending 2014 workshop.

The workshop is staffed by researchers actively studying the topics covered by the workshop. Students that have attended past workshops have found it helpful both in deciding what they want to do and in getting into graduate school for further studies. Several have gone on to work with faculty at Carnegie Mellon, the University of Pittsburgh, and New York University, after meeting them at the workshop. One attendee is using mathematical modeling and machine learning to study genetic networks at NYU. Another is at Oregon Health and Science University, studying machine learning for using huge data sets to inform simulation and modeling. A third decided to switch from pre-med to computational biology, because he wants to do research and teach, and is now in the Ph.D. program at Yale University. A fourth is reconsidering research, in favor of a medical career.

Students with background in computer science, mathematics, biology, chemistry, or almost any other science should consider applying to this workshop (only one field is expected of applicants)! This is an opportunity to work with students from diverse fields, to meet distinguished faculty, and to learn what a