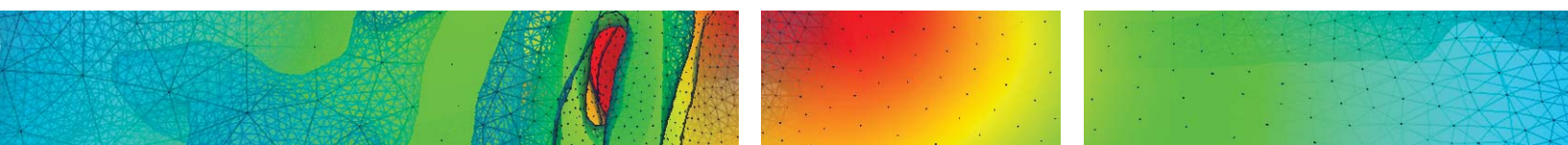




30 July - 3 August 2012 UNIVERSITY OF CALIFORNIA, SAN DIEGO



NATIONAL BIOMEDICAL COMPUTATION RESOURCE training for biomedical researchers



# 2012 SUMMER INSTITUTE

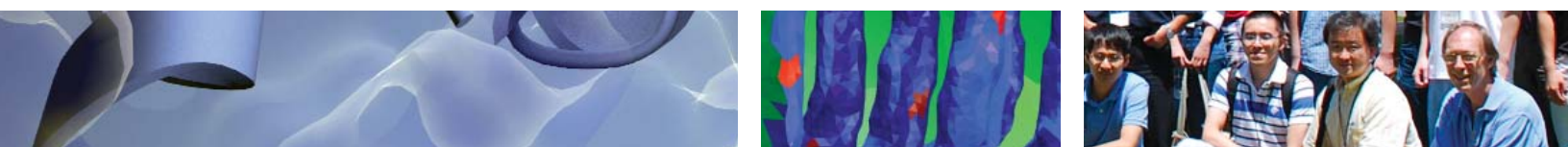
The **National Biomedical Computation Resource (NBCR)** will hold its **7th Summer Institute (SI) 30 July - 3 August 2012**, in La Jolla, California, on the UC San Diego campus. NBCR SI aims to provide significant **training opportunities for members of the biomedical research community** in targeted areas of computational multiscale biomedical research: computer aided drug discovery; mesoscale modeling; and computational cardiac electrophysiology and mechanics.

Students will participate in in-depth, hands-on training sessions on key NBCR tools that are freely available to the academic community, such as Continuity, MGLTools/AutoDock, APBS, GAMer and CADD. They will have opportunities to work with their own data and analyses in problem solving sessions, and hear talks on new directions under the theme of multiscale computational modeling and simulation. Students are encouraged to present posters to discuss ongoing challenges in their own research and explore new opportunities for collaboration.

Limited scholarship support and best poster prize will be awarded to selected participants. Space is limited, and students are encouraged to apply early.

The tracks offered this year are:

1. Molecular Electrostatics and Diffusion
2. Computer Aided Drug Discovery (CADD) pipeline
3. Virtual Screening using AutoDock Suite of Tools
4. Mesoscale Modeling of Cardiac Myocytes
5. Cardiac Mechanics and Electrophysiology



**NBCR**  
<http://si.nbcrc.net>

