
PROTEIN MODELING

Nova Southeastern University



Program Overview

- ❖ The program is designed to answer the question “How can modeling using protein visualization software and 3D printing best demonstrate links between protein structure and function?”
- ❖ Done in collaboration with CREST and Center for BioMolecular Modeling
 - Undergraduate students across the nation will explore the research topic and create a physical model of a protein involved in the scientist’s research

Program Overview

- ❖ A 3-D structure is developed by utilizing Jmol, a computer software for molecular modeling chemical structures.
- ❖ Travel to the annual American Society for Biochemistry and Molecular Biology (ASBMB) conference and participate in a “CREST Conversation” with researchers studying the modeled proteins.
- ❖ By the end of the year, students will have created a useful teaching tool about something relatively unknown in fields such as biochemistry.

Application & Contact Information

- ❖ Students with a genuine interest in biochemistry are encouraged to participate. Underclassmen are encouraged to join!
- ❖ A maximum of 10 students can be on the team.
- ❖ If interested, contact the program director
 - eschmitt@nova.edu
- ❖ Visit <http://cbm.msOE.edu/crest/index.php>

