

## Protein Challenge

Hosted by Stony Brook University  
Center for Science and Mathematics Education

**What:** A Science Competition for Long Island High School Students. The students will use computer modeling software, on-line resources and foam covered wire to build a model of a protein. This hands-on competition will test the students' building prowess and background knowledge.

**When:** March 6 from 8:30am to 1:00pm

**Deadline:** December 9, 2011

**Where:** Student Activities Center, Ballroom A

Our theme this year is Rational Drug Design and we will focus on the protein **cMet** and current target of chemotherapy agents.

Students will use the Protein Databank file 3Q6W.

They should also check the Wikipedia article on Drug Design and the case study article on cMet.

[http://en.wikipedia.org/wiki/Drug\\_design](http://en.wikipedia.org/wiki/Drug_design)

[http://en.wikipedia.org/wiki/Discovery\\_and\\_development\\_of\\_small\\_molecule\\_c-Met\\_inhibitors](http://en.wikipedia.org/wiki/Discovery_and_development_of_small_molecule_c-Met_inhibitors)



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