REU interns in the Young lab may participate in one of the following two projects:

1) Field and lab studies comparing the vertical distributions of larvae from intertidal and subtidal invertebrates. Thorson (1964) predicted that there should be important differences in the behaviors that determine vertical distributions of larvae that must settle at different depths, yet most of the evidence remains anecdotal and mechanisms underlying these patterns are understood in very few species. This project was begun by REU students 3 years ago and their preliminary data, which will appear in an upcoming publication, warrant follow-up experiments with more taxa and depths. This project will involve some work on boats.

2) If the Jordan Cove Liquid Natural Gas facility is eventually approved, there will be significant dredging to enlarge and deepen the channel. I have a graduate student who will be working on the potential impacts of this project by surveying the benthic communities in areas slated for dredging. This will involve trawl and core surveys (and the grad students will be SCUBA diving as well). This is a good opportunity for students interested in shipboard oceanographic work and biodiversity.