NOAA—National Marine Fisheries
Groundfish Analysis Team

Organization/Agency: NOAA—National Marine Fisheries Service

Supervisor/Sponsor: Lyndsey Lefebvre
Supervisor/Sponsor title: Research Associate

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# of interns needed/Hours worked per intern: 2/60

Needed for quarters: x Fall  x Winter  _Spring  _Summer  _Summer

Options (choose one)
- _Remove your listing by ____________
- x Or keep on file for one year

Describe the internship assignment:

**Internship: Reproductive Ecology of Groundfish in the California Current Region**

Student interns will assist the Groundfish Analysis Team, a part of NOAA Fisheries Service, collecting data for research projects aimed at improving available reproductive ecology information in support of stock assessments. There are currently two alternatives for research participation: both options involve research on Pacific sanddab, a flatfish species found in the California Current Region, and provide the opportunity for interns to participate in monthly sampling trips (through December 2013) out of Monterey Bay and/or fish processing in the laboratory. Weekly readings will provide an introduction to reproductive biology and ecology of marine fish as well as how the type of data being generated is used in stock assessments.

**Fecundity Analysis:**

The fecundity analysis focus will primarily be microscope based, estimating fecundity in a species for which fecundity relationships have not previously been established. Interns will compare fecundity estimates to examine temporal and biological trends.

**Histology:**

The histology focus will be primarily microscope and computer based, introducing the student to basic concepts of histology and image analysis in order to examine the reproductive strategy of Pacific sanddab.

**Prerequisites:**

In order to participate in the internship, students need:

- to have attention to detail, as precision and accuracy are required.
- Basic experience using dissecting and compound microscopes is helpful but not necessary.