

# Doctoral students: Immerse yourself in marine resource conservation and management and emerge ready for a rewarding career!

There is enormous demand for experts in marine fisheries population dynamics and resource economics. If you're intrigued by marine fisheries and want to help manage and conserve them, apply for career-track fellowships offered by Alaska Sea Grant in partnership with the National Oceanic and Atmospheric Administration (NOAA). The NOAA Fisheries (NMFS)–Sea Grant fellowships are offered in two specialized areas:

- **Population and Ecosystem Dynamics fellowship (up to 3 years)**  
The study of stock assessment and ecosystem assessment methodologies to better understand fishery resource issues.
- **Marine Resource Economics fellowship (up to 2 years)**  
The application of economic theory to the wise use and conservation of marine resources.

**Deadline for application is in January.**

**Fellowships limited to U.S. citizens.**

Your summers will be spent doing real-world, hands-on research and training with a mentor at one of NOAA's cooperating Fisheries Science Centers or laboratories. The most conveniently located sites for Alaskans are in Juneau, Kodiak, and Seattle, but you need not limit your options to those places. Population and Ecosystem Dynamics Fellows will spend 10–20 days at sea per year learning about sampling techniques, commercial fishing, fishery biology, and local and regional issues of importance to fisheries management.

Funding will cover your stipend, tuition, and travel necessary to carry out thesis work and attend the national NOAA Sea Grant fellows meeting held each year at different U.S. locations.

To find out more about this exciting path to a rewarding career in marine fisheries management, visit [alaskaseagrants.org/research/fellowships.html](http://alaskaseagrants.org/research/fellowships.html).

For more information, contact Ginny Eckert at Alaska Sea Grant, [ginny.eckert@alaska.edu](mailto:ginny.eckert@alaska.edu) or (907) 796-5450; or Michele Frandsen, [michele.frandsen@alaska.edu](mailto:michele.frandsen@alaska.edu) or (907) 474-7088.

For information from the National Sea Grant Office at NOAA headquarters in Silver Spring, Maryland, contact [oar.sg.fellows@noaa.gov](mailto:oar.sg.fellows@noaa.gov), or (301) 734-1067.

*"The NOAA Fisheries/Sea Grant Population Dynamics Fellowship provided me with funding to focus on the rockfish research I began with Alaska Sea Grant during my M.S. program. It led to a great job with NOAA where I continue to work on population dynamics of Alaska groundfish."*

*Dana Hanselman, Ph.D.  
NOAA National Marine Fisheries Service*

*"I mentored Dana Hanselman through his NOAA Fisheries/Sea Grant Population Dynamics Fellowship, and it was a complete success. Dana earned his doctoral degree and immediately went to work at the NOAA Auke Bay Laboratory in Juneau. During the fellowship, he completed an important research project on Pacific ocean perch, published several research papers, and established valuable professional contacts with high level people at NOAA at the fellows' annual meeting in Washington, D.C. Now Dana is making a name for himself as one of the top marine fisheries stock assessment people in the nation."*

*Terry Quinn, Ph.D.  
Professor, Fisheries Population and Biometry  
University of Alaska Fairbanks*



Studying fisheries population dynamics doesn't just mean hours sitting in front of a computer, crunching numbers. The NMFS-Sea Grant fellowship includes working aboard ships at sea, and can lead to careers that involve field research. Here, former NOAA Fisheries/Sea Grant Population Dynamics Fellow, Dana Hanselman, prepares to submerge in the *Delta* submersible, commonly used for underwater research, including fisheries assessments and ecological surveys.



[alaskaseagrants.org](http://alaskaseagrants.org)