Postdoctoral Scholar Position in Salmon Ocean Ecology
Oregon State University, Newport, OR

**Position:** Full-time 12-month Postdoctoral Scholar position located in the Department of Fisheries and Wildlife and the Cooperative Institute for Marine Resources Studies in Newport, Oregon. The position is funded by grants from the Bonneville Power Administration. The successful applicant will work Dr. Jessica A. Miller in collaboration with Dr. Brian J. Burke (NOAA Northwest Fisheries Science Center). The position is renewable annually on a fiscal year basis (as long as the postdoctoral scholar is within five years from receipt of their doctoral degree) and funding is available for 2 years. Re-appointment is at the discretion of the Principal Investigator and the OSU Office of Postdoctoral Programs. Stipend and benefits conform with postdoctoral scholar standards at OSU.

More information about postdoctoral scholar appointments at OSU can be found at [http://gradschool.oregonstate.edu/postdocs](http://gradschool.oregonstate.edu/postdocs).

**Responsibilities:** The objective of this position is to conduct, manage, analyze, evaluate, and report on diverse scientific research projects dealing with the predation ecology of the Columbia River Estuary and the near coastal ocean of the Northern California Current. Specific foci involve use of salmon size, condition, CPUE, otolith microchemistry and structure, and environmental data to evaluate potential biases in predation, such as size- or growth-dependent mortality. The analysis could include statistical analyses or spatiotemporal ecosystem models, or both.

The successful applicant will:
- Plan, conduct and evaluate ecological research dealing with the biology, ecology, and environmental drivers of salmon in the Northern California Current. The applicant will work on a multi-investigator project investigating the early ocean growth and survival of Columbia River juvenile salmon, especially as it pertains to interactions with predators and size- or location-specific predation rates. Work will be performed with Miller and several scientists from NOAA’s Northwest Fisheries Science Center to aid in multi-year projects based on fish collections in the estuary and ocean, environmental data, otolith chemistry and structural data, and potentially other information such as tagging data. This project is a collaboration with Dr. Brian Burke, NOAA Northwest Fisheries Science Center and Cheryl Morgan, OSU.
- Work will include but not be limited to otolith structural interpretation, processing and potential collection of otolith elemental data, analysis of time series and growth data. Work collaboratively with investigators to refine scientific questions and analyses based on project needs.
- Collaborate, cooperate, organize, and participate in field ecological research including extended ocean research cruises and other collection activities.
- Analyze, model, interpret, and evaluate data collected during field operations.
- Work with the PI and co-PI to prepare research manuscripts for peer-reviewed journal publications.
- Present research at scientific conferences and public outreach events.
- Assist in the training of graduate and undergraduate students in thesis or dissertation preparation, research methods, and computational/mathematical methods.

**Qualifications**

**Required:**
- Ph.D. in ecology, fisheries biology, fisheries oceanography, or a combination of these areas or a closely related field with demonstrated experience and expertise in analysis of growth structures and geochemical analysis and interpretation.
- Demonstrated ability to generate peer-reviewed scientific publications.
- Strong statistical background. Proficiency with R or similar statistical/programming language.
- Excellent written and verbal communication skills.

**Preferred:**
- Peer-reviewed publication record (commensurate with career stage) in the field of population modeling.
- Strong interest in collaborative research.

**Position Available:** January 1, 2020 (open until filled)

**Application:** For full consideration, apply by October 21, 2019. Applicants must send: (1) a letter of application to describe academic experience, qualification and interest in the position; (2) curriculum vitae; and (3) email addresses of three professional references Application materials should be sent to Dr. Jessica Miller at Jessica.miller@oregonstate.edu.

We encourage applicants with creative and diverse perspectives to join our community. Oregon State University is an Affirmative Action / Equal Opportunity Employer.