



Post-Doctoral Scholar in Quantitative Fisheries Oceanography

Mueter/Duffy-Anderson post-doctoral researcher for "The variable transport of pollock eggs and larvae over the Bering shelf: A marriage of physics and biology"

The Fisheries Division in the School of Fisheries and Ocean Sciences (SFOS) at the University of Alaska Fairbanks (UAF) invites applications for a post-doctoral researcher in quantitative fisheries oceanography to conduct retrospective statistical analyses and model validation as part of an NSF-funded interdisciplinary synthesis project entitled "The variable transport of pollock eggs and larvae over the Bering shelf: A marriage of physics and biology". The project aims to elucidate how variable atmospheric forcing, and the ocean's response to this forcing, affects the distribution of walleye pollock eggs and larvae on the eastern Bering Sea shelf. The approach is to use a combination of new modeling results and recent observations to examine historical dispersal pathways of pollock eggs and larvae and to forecast how these might change in the future. The successful candidate will be responsible for (1) comparing biological observations on the vertical and horizontal distribution of early life stages of walleye pollock to simulated drift trajectories from a bio-physical model, and (2) developing indices for quantifying and comparing inferred drift trajectories among years. This position will be located in Seattle (Alaska Fisheries Science Center, Sand Point facility, <http://www.afsc.noaa.gov/facilities/seattle.htm>) and will require travel to and extended stays in Juneau (www.sfos.uaf.edu/lenapoint/). The successful candidate will work closely with senior-level scientists at the AFSC, UAF, and other institutions.

Qualified applicants must possess a quantitatively-oriented Ph.D. (already received, or having completed all requirements and awaiting graduation) in fisheries, oceanography, or ecology from an accredited university, and have a strong research and publication record appropriate to their experience and date of degree. Excellent verbal and oral communication skills are required. A M.S. degree in Statistics or previous experience conducting statistical analyses of spatial and temporal environmental data sets and knowledge of statistical programming is required (R preferred, other languages acceptable). Familiarity with the oceanography of the Bering Sea and with the life history of walleye pollock is desirable.

Salary: \$45,000 - \$55,000 (commensurate with qualifications) plus generous retirement and health benefits.

To apply, please go to <https://www.uakjobs.com>, and click on "Create Application" link to select a User Name and Password and to create your application. Once you have completed this step go to the "Job Posting Search", and enter posting number **0063201**. You will be asked to submit a statement of interest, a CV, and contact information for three professional references. This position is for a 1 year or 12 month appointment. For additional information about the project and about the position contact Dr. Franz Mueter (fmueter@alaska.edu, +1-907-796-5448) or Dr. Janet Duffy-Anderson (janet.duffy-anderson@noaa.gov, +1-206-526-6465). Review of applications will begin on **January 1, 2012** and will continue until filled. Anticipated start date is **March 1, 2012**.