

POSTDOCTORAL SCHOLAR:

MODELING CHINOOK SALMON BYCATCH IN THE PACIFIC HAKE FISHERY

POSITION RESPONSIBILITIES: To collaborate with Oregon State University (OSU) colleagues at the Hatfield Marine Science Center, the College of Earth, Ocean, and Atmospheric Sciences (COEAS), Department of Fisheries, Wildlife and Conservation Science (FWCS) and elsewhere, including NOAA Fisheries/Northwest Fisheries Science Center (NWFSC) and other scientists, managers and stakeholders in the international network that is engaged with commercial harvest of marine fish populations in sub-Arctic and temperate seas. Building off recent work on spatiotemporal models of salmon bycatch (in submission), the scholar's principle responsibility will be to analyze stock- or ESU-specific patterns of Chinook salmon bycatch in the Pacific hake fishery. Project goals are to develop rigorous models accounting for tradeoffs between hake catches and salmon bycatch, that maximize viable hake fisheries in concert with escape to production of adult salmon within the context of changing environmental conditions. Initiative/input on project/goal development is expected from post doc but within subjects appropriate to funding intent (for example, incorporating alternate levels of hake harvest in models and/or other bioeconomic considerations). Scholar is expected to publish peer-reviewed manuscripts and present findings at scientific meetings and/or other professional venues. They will also have opportunities to foster new professional skills and contacts to develop their own professional career. OSU mentoring will be provided by Michael Banks and Taal Levi (FWCS) and NWFSC engagement will be with Kate Richerson and other colleagues from OSU, NOAA and the NWFSC Fisheries Observation Science Program.

DESIRED QUALIFICATIONS: Doctorate (PhD) in Quantitative Ecology, Computer Science, Statistics, Fisheries, Oceanography, Ecology, Natural Sciences or related fields. Experience with modelling, advanced statistical analysis, parameter estimations, and applying such techniques to statistical inference. Knowledge of fish and ocean ecology and proficiency with "R" statistical software or similar programming languages. Demonstrated success in scientific publication in peer review contexts, willingness to work collaboratively across multiple levels from junior students to senior scientists and stakeholders, and interest in promoting an environment that fosters inclusion and retention of diverse cultures and perspectives.

DEPARTMENT: OSU's Cooperative Institute for Marine Resources Studies invites application for a full-time, 12-month POSTDOCTORAL SCHOLAR appointment.

LOCATION: Hatfield Marine Science Center (HMSC) in Newport, Oregon, but may be served from elsewhere within the US as appropriate depending on circumstance to be negotiated with the final candidate.

POSITION APPOINTMENT PERCENT: 100%

APPOINTMENT BASIS: 12 months

ANTICIPATED APPOINTMENT BEGIN DATE: Oct 1st, 2021 (with a little flex)

ANTICIPATED APPOINTMENT END DATE: Sept 30th, 2022

POSTED DATE: August 23rd, 2021

FULL CONSIDERATION DATE: September 20th, 2021

STIPEND: \$53,760 - \$58,608 per year, and health insurance for the incumbent. Health insurance for family members is available at reasonable cost. This position does not include retirement benefits. Postdoc may be employed as scholars until they are five years post receiving their PhD. For more information on CIMRS see <https://hmsc.oregonstate.edu/cimrs>

Please send applications, curriculum vitae, copies of transcripts and contact information for 3 references to: banksm@oregonstate.edu and Taal.Levi@oregonstate.edu.

Oregon State University is an affirmative action/equal opportunity employer.