



UNIVERSITY OF CALIFORNIA
SANTA CRUZ

UNIVERSITY OF CALIFORNIA, SANTA CRUZ
INSTITUTE OF MARINE SCIENCES
Fisheries Collaborative Program (FCP)

Postdoctoral Scholar Position in Fisheries Science

The University of California, Santa Cruz, in collaboration with the National Oceanic and Atmospheric Administration (NOAA) National Marine Fisheries Services, seeks a Postdoctoral Scholar in Fisheries Science. The postdoctoral scholar will work in partnership with a multidisciplinary team of federal and academic collaborators from UC Santa Cruz, the University of Washington, and the NOAA Southwest and Alaska Fisheries Science Centers to develop research stock assessment models and conduct a management strategy evaluation (MSE) for the central subpopulation of northern anchovy.

The Postdoctoral Scholar will be responsible for a) extending the temporal basis of the recently developed assessment to incorporate existing longer time series of survey and fisheries data. b) from that more “traditional” assessment, exploring the utility of integrating oceanographic and ecosystem indicators of anchovy productivity, as well as indicators of abundance and recruitment from new and less traditional types of data sources (e.g. relative abundance and size composition data from predator diets) into the anchovy stock assessment model, c) developing an MSE to assess the performance of the anchovy stock assessment and current harvest guideline under variable recruitment and natural mortality, and d) communicating results of MSE analyses in the form of written manuscripts and oral presentations.

The anticipated start date for the position is June 1, 2022 (negotiable). Initial appointments are for 1 year, with reappointment up to two years pending performance review and funding availability. Salaries for postdoctoral scholars at UCSC begin at a minimum of \$54,540 and include comprehensive benefits. The actual salary level on the UC scale will depend on experience and will increase annually. The project will also provide a \$1500 allowance for travel to a conference in year 2. Funds are available to support this position for 2 years. Applications should be submitted by April 1, 2022 to ensure full consideration but the positions will remain open until filled.

BASIC QUALIFICATIONS: Ph.D. in Fisheries Science, Quantitative Ecology, Biology, Zoology, Biological Oceanography, Mathematics, Statistics, Computer Science or related discipline; knowledge of fisheries population dynamics and population dynamics modelling; solid quantitative skills; proficiency with advanced statistics and data analysis; proficiency in programming languages such as R, MATLAB, or Python; willingness for collaboration with other postdoctoral researchers, students, and NOAA and University scientists; demonstrated ability to summarize scientific findings in the form of written manuscripts and oral presentations.

PREFERRED QUALIFICATIONS: Experience developing and ideally leading research analyses; experience working with stock assessment models and related software such as Stock Synthesis, ADMB or TMB; familiarity with management strategy evaluation; familiarity with oceanographic data and ecological models; knowledge of multivariate and spatial statistics.

LOCATION: La Jolla, California

TO APPLY: Submit as a single PDF: (1) a letter of application that addresses how you meet the basic and preferred qualifications, (2) a curriculum vitae, (3) one to three representative publications, and (4) names and contact information of three references. Applications can be sent directly to Desiree Tommasi (Desiree.Tommasi@noaa.gov) and Peter Kuriyama (peter.kuriyama@noaa.gov). Please specify in your email that you are applying for the Fisheries Science position.

The University of California is an Equal Opportunity/Affirmative Action Employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, age, or protected veteran status. UC Santa Cruz is committed to excellence through diversity and strives to establish a climate that welcomes, celebrates, and promotes respect for the contributions of all students and employees.