Postdoctoral Scholar Position in Fisheries Science and Management Strategy Evaluation

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/Management Strategy Evaluation. The postdoctoral scholar will work in partnership with two other postdoctoral scholars, one focused on ecosystem modeling and one on socioeconomics. The project involves a multidisciplinary team of federal and academic collaborators from UC Santa Cruz, NOAA Fisheries Science Centers (Northwest, Southwest, and Pacific Islands), and CSIRO (Australia) and is part of the Future Seas Project (https://future-seas.com/). The Postdoctoral scholar will conduct ecosystem modeling to assess performance of current and alternative management strategies for coastal pelagic species (CPS) in the California Current under a changing climate, shifting forage species composition, and varying predator populations.

The Postdoctoral Scholar will be responsible for a) developing novel ecosystem-based management strategies for the CPS complex, b) develop a management strategy evaluation for the CPS fleet under a range of uncertainty scenarios, including climate related shifts in the dynamics of forage fish, their predators, and the CPS fleet dynamics, and c) communicate results of MSE analyses in the form of written manuscripts and oral presentations.

The anticipated start date for the position is November 1, 2020 (negotiable). Initial appointments are for 1 year, with reappointment up to three years pending performance review and funding availability. Applications should be submitted by September 1, 2020 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; strong 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 conducting management strategy evaluations; familiarity with stock assessment models and related software such as Stock Synthesis, ADMB or TMB; familiarity with ecosystem models; familiarity with climate models and climate data; knowledge of multivariate and spatial statistics.

LOCATION: La Jolla, California (telework at onset upon request).

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 Kevin Hill

(Kevin.Hill@noaa.gov). Please specify in your email that you are applying for the Fisheries Science/Management Strategy Evaluation 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.