



UNIVERSITY OF CALIFORNIA  
**SANTA CRUZ**

**UNIVERSITY OF CALIFORNIA, SANTA CRUZ**  
Department of Ocean Sciences  
Research Associate in Salmon Ecology Modeling

## **DESCRIPTION**

The Department of Ocean Sciences at the University of California, Santa Cruz, invites applications for a position of Postdoctoral Scholar to study salmon-predator dynamics along the California Coast with the purpose of developing best management practices relative to juvenile salmon out-migration characteristics. Specific research tasks include implementing and analyzing individual-based model simulations to: (1) evaluate how salmon outmigration characteristics (size, timing and location) relate to spatiotemporal variability in growth and predation risk at sea, and (2) determine the impact of various predators based on their respective foraging strategies (e.g., central place vs. migrating predator) on spatiotemporally-explicit salmon mortality at sea. The postdoctoral scholar will work under the direct supervision of Prof. Jerome Fiechter and collaborate closely with researchers in the Salmon Ecology Division at NOAA's Southwest Fisheries Science Center in Santa Cruz.

Desired skills include experience with individual-based models applied to marine ecosystems and familiarity with ocean modeling. Working knowledge of programming languages (Fortran, Python, etc.) and Linux/Unix environment is a plus. Since the postdoctoral scholar will be expected to both lead independent research and work as a team member, willingness for collaboration and demonstrated ability to summarize scientific findings in the form of written manuscripts and oral presentations are also important.

## **ACADEMIC TITLE**

Postdoctoral Scholar

## **SALARY**

Commensurate with qualifications and experience. Minimum annual salary rates are made based on the individual's *Experience Level*, which is determined by the number of months of postdoctoral service at any institution. See current salary scale for Postdoctoral Titles at <https://apo.ucsc.edu/compensation/salary-scales/index.html>

## **BASIC QUALIFICATIONS**

Ph.D. (or equivalent foreign degree) in marine science, ecological modeling, or related discipline.

## **POSITION AVAILABLE**

As soon as possible after initial review of the applications. Ph.D. must be in hand at time of the initial appointment.

## **MAXIMUM DURATION OF SERVICE IN A POSTDOCTORAL TITLE**

Postdoctoral Scholar appointments are full-time; the initial appointment is for a minimum of one year, with the possibility of reappointment. Reappointment will be contingent upon positive performance review and availability of funding. The total duration of an individual's postdoctoral service may not exceed five years, including postdoctoral service at any institution. Under limited circumstances, an exception to this limit may be considered, not to exceed a sixth year.

## APPLICATION REQUIREMENTS

Applicants should submit a one-page statement of research experience and interests, a curriculum vitae, and contact information for up to three references to Prof. Jerome Fiechter (fiechter@ucsc.edu). Please refer to “Salmon modeling position” in the subject line of the email. Review of applications will begin immediately and proceed until the position is filled.

### Documents/Materials

- One-page statement of research experience and interests.
- Curriculum vitae
- Contact information for up to three references

## RECRUITMENT PERIOD

Applications will be accepted until the position is filled. Applications received by 31 March 2020 will receive full consideration.

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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, sexual orientation, gender identity, 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. Inquiries regarding the University’s equal employment opportunity policies may be directed to the Office for Diversity, Equity, and Inclusion at the University of California, Santa Cruz, CA 95064 or by phone at (831) 459-2686.

Under Federal law, the University of California may employ only individuals who are legally able to work in the United States as established by providing documents as specified in the Immigration Reform and Control Act of 1986. Certain UCSC positions funded by federal contracts or sub-contracts require the selected candidate to pass an E-Verify check (see <https://www.uscis.gov/e-verify>). More information is available at the APO website (see <https://apo.ucsc.edu/policy/capm/104.000%20.html>) or call (831) 459-4300.

UCSC is a smoke & tobacco-free campus.

If you need accommodation due to a disability, please contact the Academic Personnel Office at [apo@ucsc.edu](mailto:apo@ucsc.edu) (831) 459-4300.

VISIT THE APO WEB SITE AT <http://apo.ucsc.edu>  
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