



## **Job Opportunity**

### **Postdoctoral Researcher in Anadromous Fish Genomics**

University of California, Santa Cruz

We seek a postdoctoral scientist to work on genomic and molecular population genetic analyses of Chinook salmon and alewife as part of a team conducting basic and applied research on the ecology, evolution, conservation and management of anadromous fishes. The successful candidate will formulate and carry out work using whole genome sequence data to study the heritable components of life history variation in these species, including age at maturity, migration behavior, growth, and development. In addition, the postdoc will be involved in generation and analysis of molecular population genetic data to study evolutionary dynamics and patterns of hybridization in response to restoration of alewife as part of a large, bi-coastal collaboration.

Duties will involve overseeing data generation, developing and applying bioinformatic techniques, and disseminating results through publications, reports and presentations. In addition to standard genomic and population genetic techniques, experience with genome-wide association studies is desirable. Experience with R and/or Python and working in a UNIX environment is also important, as is experience or familiarity with analysis software GATK, ANGSD, BWA and SAMTools or similar programs.

The successful candidate will work jointly with the research teams of Dr. Eric Palkovacs, in the Department of Ecology and Evolutionary Biology at the University of California, Santa Cruz (UCSC) and Dr. John Carlos Garza, at the Southwest Fisheries Science Center, both located on the UCSC Coastal Science Campus.

The appointment is for one year, with an ideal start date on or before June 1, 2020.

Inquiries by email to Eric Palkovacs ([epalkova@ucsc.edu](mailto:epalkova@ucsc.edu)) or John Carlos Garza ([carlosjg@ucsc.edu](mailto:carlosjg@ucsc.edu)).

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