

## Two Postdoctoral Positions (Marine Food Webs Under Climate Change) Department of Biological Sciences, University of Alberta

**Description:** The Green Lab at the University of Alberta is searching for two Postdoctoral Researchers to work on a new Lenfest Ocean Program-funded project in California Current Large Marine Ecosystem (CCLME) in collaboration with the Crowder Lab at Stanford University and NOAA Southwest Fisheries Science Center. The successful applicants will work with a team of researchers and managers in the US and Canada to develop tools for predicting and evaluating distributional shifts in key fisheries species in the CCLME under climate change. This project entails 1) developing and maintaining a database of marine species characteristics, 2) conducting multivariate analyses of foraging traits in relation to ecosystem state, 3) developing spatially explicit food web models of the CCLME coupled with ocean climate projections from the Regional Ocean Modelling System, and 4) liaising with project partners and funders to coordinate working group activities.

**Qualifications:** Ph.D. in Ecology, Earth Sciences, Environmental Studies, Natural Resource Management, Oceanography, or Computer Science; experience developing and leading research analyses with ecological and/or oceanographic datasets. An interest and background in foraging ecology is an asset, as well as a desire to conduct research that informs management. We seek candidates with skills and experience in the following areas: database creation and management, multivariate statistics, data synthesis and collation, food web modeling, spatial statistics. The applicant must be able to code, perform advanced statistical analyses, develop relationships with managers and scientists, and summarize scientific findings in the form of written manuscripts, oral presentations, and reports to funders and agencies. We welcome applications from individuals with relevant experience and skill sets in non-marine systems as well.

**Setting:** The positions will be based at the University of Alberta in Edmonton, Canada, a top five research university in the country. Travel to Monterey, California for collaboration is also required. Learn more about the host labs here ([www.greenlab.ca](http://www.greenlab.ca)) and here (<https://crowderlab.stanford.edu/>).

**Salary:** \$48,000-54,000; commensurate with qualifications and experience.

**Start date:** Negotiable.

**Term of appointment:** Initial appointment is for 1 year with renewal for year 2 based on a review to assess performance.

**To apply:** Applications must include a cover letter addressing your interest in the topic and how you meet the qualifications, your CV, one to three writing samples of published material, and contact information for three references. Documents/materials must be submitted in a single PDF file with the position title as the subject header to [stephanie.green@ualberta.ca](mailto:stephanie.green@ualberta.ca).

**Closing date:** Application review will begin October 15 2018. The positions will remain open until filled.

*The University of Alberta is committed to an equitable, diverse, and inclusive workforce. We welcome applications from all qualified persons. We encourage women; First Nations, Métis and Inuit persons; members of visible minority groups; persons with disabilities; persons of any sexual orientation or gender identity and expression; and all those who may contribute to the further diversification of ideas and the University to apply.*