

Postdoctoral Position (Food Webs Under Climate Change) Department of Biological Sciences, University of Alberta

Description: The Green Lab at the University of Alberta is searching for a Postdoctoral Researcher to lead research on trait-based food web modeling in collaboration with the Crowder Lab at Stanford University and NOAA Southwest Fisheries Science Center. The successful applicants will work with a team of scientists in the US and Canada to develop novel network modeling approaches that incorporate trait-based foraging interactions, coupled with ocean climate projections from the Regional Ocean Modelling System. The goal of the project is to evaluate and forecast distributional and abundance shifts in key fisheries species in the CCLME under climate change. The project is funded by the Lenfest Ocean Program.

Qualifications: Ph.D. in Mathematical Biology, Statistics, Ecology, Environmental Studies, Oceanography, or Computer Science; experience developing and leading research analyses with ecological and/or environmental datasets is an asset. We especially seek candidates with skills and experience in mathematical biology, network modeling, advanced statistics, model simulation and optimization, and spatial statistics. The applicant must be able to code, perform advanced statistical analyses, develop effective and productive relationships with 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) and here (<https://crowderlab.stanford.edu/>).

Salary: \$48,000-60,000 plus benefits; 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.

Closing date: Application review will begin December 1st 2019. 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.