

Postdoctoral Research Fellow: Quantitative fisheries scientist, fish ecologist, or ecosystem ecologist

Job Summary:

I am seeking bright quantitative scientists that can bring new, innovative, and exciting perspectives to our lab. The goals of the fellowship are intentionally broad and highly flexible.

A long-standing question in coral reef ecology is what drives their high rates of productivity. This question extends to all tropical coastal systems (seagrass beds and mangroves) and the research in our lab seeks to better understand these drivers through generating comprehensive ecosystem models that integrate across behavioral ecology, population/community ecology, and ecosystem ecology. The overarching goal of our research is to apply outcomes towards fisheries restoration efforts in The Bahamas, Haiti, and the Dominican Republic where we have on-going research and conservation efforts.

An objective for the Fellow would be to work on developing ecosystem-scale models that integrate aspects of bioenergetics, nutrient dynamics, and consumer movement to predict primary and/or secondary ecosystem production in seagrass and coral reef ecosystems. I am open to alternative synergistic avenues of research that play to the strengths of the fellow and align with the broader objectives of our lab (jacoballgeier.com).

Required Qualifications:

The position requires a PhD in ecology, fisheries biology, or a related field. The ideal applicant would have strong quantitative skills, particularly with some combination of fisheries models, population models, bioenergetic models, agent-based models, or nutrient dynamics models. The applicant should demonstrate prior success in publication of original research. There is no prerequisite that the applicant has worked in tropical marine ecosystems.

To Apply:

Applicants should send a CV, contact information for two references, and a cover letter outlining their interest in the position and their relevant skills and experience to Jacob Allgeier (jeallg@umich.edu). Review of applications will begin immediately. The start date can be flexible.

Additional Information:

The position comes with a competitive salary and benefits and is for 1 year with the potential of an extension for up to 2 more years depending on performance. The fellow will be based in the Department of Ecology and Evolutionary Biology at the University of Michigan in Ann Arbor.

The University of Michigan is a non-discriminatory/affirmative action employer.