

Postdoctoral position in macroevolution and morphology of fishes

The position is to work on an NSF funded project on the ecological and environmental drivers of body shape evolution across teleost fishes. It is a collaborative project between Samantha Price, at Clemson University, and Peter Wainwright, at the University of California, Davis; the postdoc will be based at Clemson. Research involves the generation and analysis of ecomorphological databases of morphometric measurements and geometric morphometric descriptions of fish shape taken from museum specimens, as well as environmental and ecological data collated from existing sources. These data are analyzed using phylogenetic comparative methods in a high performance-computing framework. The postdoc will assist in data collection and analysis, as well as supervising undergraduate researchers and will be expected to write and publish scientific papers.

Research in the Price lab is broadly focused on phylogenetic approaches to macroevolution and biodiversity, with the aim of identifying repeating themes and general principles governing the evolution of vertebrate diversity. We study both living and fossil animals and use data and techniques from across evolutionary and organismal biology, palaeobiology and data science.

It is a one-year appointment renewable for one or more additional years conditional upon performance. Applicants should have completed a Ph.D. or expect to do so prior to starting in the position. Starting date negotiable but strongly prefer Jan 2018.

Review of applications will begin on Aug 7th 2017 and the position will remain open until filled.

A successful applicant will have:

- A doctoral degree in a relevant subject.
- One or more of the following skill sets: geometric morphometrics, phylogenetic comparative analyses, functional morphology, fish diversity and natural history.
- Experience collecting, collating and analyzing large morphometric and ecological datasets and working in museum collections.
- A solid track record of scientific publications and international conference presentations.

Interested candidates should email (1) an application letter summarizing research interests, goals and qualifications as well as experience mentoring undergraduate research, (2) a CV and (3) contact information for at least two references to Samantha Price saprice@ucdavis.edu. Please don't hesitate to contact me if you wish to discuss the position prior to applying.