Job Description

The Blaszczak and Shriver labs at the University of Nevada, Reno (UNR) are recruiting a postdoctoral scholar in quantitative ecology and aquatic ecological modeling. The position is funded by both a National Science Foundation EPSCoR grant and a National Science Foundation Rules of Life grant to understand the mechanisms governing the proliferation of benthic harmful algal blooms in rivers. The postdoctoral scholar will test novel hypotheses about how abiotic conditions and interactions among benthic community members control harmful algal blooms in rivers using Bayesian modeling approaches and diverse time series datasets including water quality sensor, metagenomic, and gene expression data in collaboration with Dr. Ramesh Goel (U. Utah), Dr. Rosalina Christova (George Mason University), and Dr. Hari Sundar (U. Utah). There will also be opportunities to assist fieldwork in coast range of Northern California and Zion National Park in southern Utah. The postdoctoral scholar will collaborate with an interdisciplinary research team including ecologists, environmental engineers, phycologists, and computer scientists.

The position is 100% research with flexible start date in the first half of 2024. The position can last up to two years. Starting salary is $57,000.

The Postdoctoral Scholar will be part of a growing community of postdocs in the Dept. Natural Resources & Environmental Science and Ecology, Evolution, and Conservation Biology Program, and have many opportunities for professional development including funding to attend meetings and workshops.

Successful applicants will have experience in either Bayesian hierarchical modeling, population modeling, or other dynamic modeling approaches as evidenced in their publication record. Experience in aquatic ecology is a benefit, but not required.

We recognize that the best science can originate from diverse collaborations with people from varied backgrounds, and we especially encourage applicants from underrepresented groups to apply.

To apply please submit a CV and cover letter summarizing your previous research experiences and modeling expertise, your interest in the project, and future goals here. Review of applications will begin Nov. 15.

If you have any questions feel free to reach out to Joanna Blaszczak (jblaszczak@unr.edu)
and/or Bob Shriver (rshriver@unr.edu).

UNR is a Carnegie classified R1 institution with a wonderful community of ecologists and
evolutionary biologists. Reno is at the western edge of the Great Basin and base of the eastern
Sierra Nevada Mountains with incredible access to outdoor recreational activities including
skiing, climbing, hiking, and mountain biking. We are ~45 minutes from Lake Tahoe, 2.5 hours
from Yosemite and Lassen National Parks, and 3.5 hours from San Francisco Bay Area. Reno also
has a diverse artistic and cultural community with much to offer.