

POSTDOCTORAL RESEARCH ASSOCIATE IN ECOLOGICAL GENOMICS UNIVERSITY OF IDAHO

A Postdoctoral Research Associate position is available at the University of Idaho in the NSF-EPSCoR [GEM3 program](#). The successful candidate will be co-supervised by faculty [Paul Hohenlohe](#) and [Adam Jones](#) in the [Department of Biological Sciences](#) and interact closely with a state-wide team of interdisciplinary researchers.

The GEM3 program seeks to understand how genetic diversity and phenotypic plasticity affect species responses to environmental change, focusing on two taxa: redband trout and sagebrush. These taxa are integral to ecosystems in the American West and central to land-use management decisions that drive the regional economy. The selected candidate will analyze large genomic datasets and build models rooted in quantitative genetics, to understand the genetic and plastic basis of phenotypic traits in trout and sagebrush and their role in adaptive capacity and population responses to changing environmental conditions.

The position is part of an interdisciplinary cohort of postdocs and Ph.D. students working at scales from genomics and physiology to landscape-scale mapping and monitoring of social-ecological systems. The postdoc will collaborate with other GEM3 researchers in analyzing genomic data from common-garden experiments, genome-wide association studies, population sampling, and other projects, and integrate these results into models of population-level responses. The position will have substantial opportunity for project development and collaboration across the GEM3 program, with potential opportunities for teaching, mentoring graduate and undergraduate research, and engagement with stakeholders.

This is planned as a 2-year position, with support after the first year contingent on performance. The successful candidate will interact closely with members of the Institute for Modeling Collaboration and Innovation ([IMCI](#)) and the Institute for Bioinformatics and Evolutionary Studies ([IBEST](#)) as well as GEM3 faculty, post-docs and students at the University of Idaho, Idaho State University and Boise State University. The University of Idaho is located in [Moscow](#), a friendly mid-sized town on the rolling hills of the Palouse, with great parks, bike paths, restaurants, farmer's market and fantastic opportunities for recreation in the adjacent mountains and rivers. It is only eight miles from Washington State University in Pullman, Washington, providing an academically and culturally rich community.

Minimum qualifications include: a Ph.D. in biological sciences, mathematical biology, or a related discipline; experience with population genetics, quantitative genetics, ecological or conservation genomics, and/or bioinformatics demonstrated by publications in the field; ability to work as part of a multi-disciplinary team; evidence of strong written and oral communication skills. Experience with mathematical modeling, computational biology, and/or computer programming is desirable.

Submit a cover letter and CV, with contact information for three references, at:
<https://uidaho.peopleadmin.com/postings/31120>

Review of applications will begin as they are received, with priority given to those received before March 30, 2021. Position may start as soon as it is filled.

The University of Idaho is an equal opportunity/Affirmative Action/equal access employer. Our research program is collaborative, supportive, and open to all. We strongly encourage members of underrepresented groups to apply for this position.