POSTDOCTORAL RESEARCH ASSOCIATE IN QUANTITATIVE GENETICS MODELING
IDAHO NSF-EPSCoR GEM3

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 build quantitative genetics models of the genetic and plastic basis of phenotypic traits in these taxa and their role in adaptive capacity and population responses to changing environmental conditions.

The position is part of an interdisciplinary cohort of postdoctoral researchers and Ph.D. students working at scales from genomics and physiology to landscape-scale mapping and monitoring of social-ecological systems. The quantitative genetics models will be informed by empirical data on trout and sagebrush being collected by other GEM3 researchers in common-garden experiments, genome-wide association studies, and other projects. 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 three-year position, with the second and third years contingent on performance and availability of funding. The successful candidate will interact closely with members of the Institute for Modeling Collaboration and Innovation (IMCI; https://www.imciuidaho.org/) and the Institute for Bioinformatics and Evolutionary Studies (IBEST; https://www.ibest.uidaho.edu), 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. For more information about the community and university, go to https://visitmoscowid.com/.

Minimum qualifications include: a Ph.D. in biological sciences, mathematical biology, or a related discipline; experience with population genetics or quantitative genetics 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 or computer programming are desirable.

Our research program is collaborative, supportive, and open to all. We strongly encourage members of underrepresented groups to apply for this position, and please contact us for more information.

Apply at: https://uidaho.peopleadmin.com/postings/29101
Review of application will begin August 3.

The University of Idaho is an equal opportunity/Affirmative Action/equal access employer.