TWO POSTDOCTORAL RESEARCH ASSOCIATES IN GEOSPATIAL MODELING
UNIVERSITY OF IDAHO

Two Postdoctoral Research Associate positions are available at the University of Idaho. Successful candidates for both positions will contribute to an initiative in geospatial modeling at the University of Idaho as members of an interdisciplinary team of researchers working in a uniquely collaborative environment.

Positions 1: One position is funded by the Center for Modeling Complex Interactions (CMCI; www.cmciuidaho.org/). CMCI is an interdisciplinary, collaborative research program housed at the University of Idaho and funded by the National Institutes of Health. CMCI has an intellectual, cultural, and physical environment that fosters model-based biomedical research. The CMCI Modeling Core is home to a consortium of postdoctoral fellows who provide modeling expertise for a wide range of projects as integral members of their research teams.

The successful candidate will initially engage in collaborative research with the Idaho Water Resources Research Institute (www.uidaho.edu/research/entities/iwrri/) to use geospatial modeling of water quality and health data to predict the effects of water quality on human health. This is planned as a one-year project, with one or more additional years of funding for the postdoctoral position contingent on performance and availability of funding.

Applications should be submitted to Human Resources at the University of Idaho using PeopleAdmin (http://uidaho.peopleadmin.com/postings/25088). Minimum qualifications and application materials are listed below.

Position 2: One position will be part of the recently funded NSF-EPSCoR GEM3 program (https://www.idahogem3.org/) and will also be associated with CMCI. The GEM3 program seeks to understand how genetic diversity and phenotypic plasticity affect species response to environmental change, shaping both population response and adaptive capacity. Two focal taxa will be under study: one aquatic (redband trout, a subspecies of rainbow trout) and one terrestrial (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 focus on trout to generate spatially-explicit models to interpret data, develop and test hypotheses, and enlighten future research on the adaptive capacity of trout populations spanning climatic and landscape gradients.

The position will be hired into an interdisciplinary cohort of postdoctoral researchers and Ph.D. students working at scales from genomics, to characterization of physiological traits, to landscape-scale mapping and monitoring of complex social-ecological systems. The position will have substantial opportunity for project development, management, and collaboration within both the trout and sagebrush components of the overall project, 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 be based in Moscow, Idaho and will interact with GEM3 faculty, post-docs and students at Idaho State University and Boise State University, and with faculty and students at Idaho's two- and four-year Colleges.

Applications should be submitted to Human Resources at the University of Idaho using PeopleAdmin (http://uidaho.peopleadmin.com/postings/25091). Minimum qualifications and application materials are listed below.

Additional information: 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 University of Idaho and Moscow, go www.uidaho.edu/ and www.moscowchamber.com/visit-moscow.

Minimum qualifications for both positions include: a Ph.D. in computer science, geography, spatial ecology, or a related discipline; experience with geospatial modeling demonstrated by publications in the field; strong computer programming skills; ability to work as part of a multi-disciplinary team; evidence of strong written and oral communication skills. Experience with GIS packages and experience with spatial data interoperability are preferred. Our program is committed to increasing diversity and applications from underrepresented groups are strongly encouraged.

Application materials for both positions should include: An application letter that addresses how the applicant meets the qualifications, a CV, PDFs of up to three relevant publications or submitted manuscripts, and contact information for three references. Review of applications will begin March 1, 2019. Anticipated start date is June 1, 2019, although some flexibility is available.

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