

iUTAH Post-doctoral Fellowship



Ecology
Hydrology
Climate

Overview. iUTAH seeks three post-doctoral fellows to participate in a new 5-year NSF EPSCoR project. iUTAH (**innovative Urban Transitions and Aridregion Hydro-sustainability**) focuses on montane-through-urban transitions along the Wasatch Front of northern Utah, a region experiencing rapid population growth, projected changes in the fraction of winter precipitation falling as rain versus snow, and projected changes in the delivery and use of water. Understanding water sustainability in this region requires an interdisciplinary approach to studying the linked biophysical, social, and engineered aspects of urban water systems. For more information about the iUTAH project and the faculty involved and focus areas of *all* three postdoctoral announcements, please visit <http://iutahepscor.org/>.

Postdoctoral opportunity. For this specific postdoctoral fellowship announcement, we seek an individual who will work with iUTAH hydrologists, ecologists, climate scientists, social scientists, planners, and engineers in Focus Area 1 (http://iutahepscor.org/resources/eba/Sept2012_CombinedWorkPlans.pdf). In this announcement, we seek postdoctoral applicants to work with faculty on one of the following topics:

- Coupled processes in mountain aquatic/terrestrial ecology
- Urban eco-hydrology and/or hydro-ecology
- Ecosystem processes along montane through urban transitions
- Coupled regional climate and urban climate modeling

Only one of the above theme areas will be filled at this time with this announcement. Theme areas not filled now will become opportunities to fill in the future. The successful candidate will become a post-doctoral associate at either the University of Utah or Utah State University. Postdoctoral positions are expected to be 2-year appointments. However, each position has an initial appointment of one year, with the option of renewal for a second year, subject to satisfactory progress and the availability of funds.

Expected background. Applicants should hold a Ph.D. in biology, ecology, hydrology, climate science, natural resources, or a related discipline with experience relevant to one of the above topics. Priority in reviewing applications will be given to applicants who have demonstrated interest in bridging across disciplines, complement and build on existing strengths, and are amenable to training in a team setting (i.e., more than a single faculty mentor).

Application process. Applications for these positions should consist of a single PDF file, containing (in this order): cover letter, statement of research interests, curriculum vitae, and the names, expertise, and contact information of three references. Applicants may also include as a separate part of their submission separate PDFs for up to three of their peer-reviewed publications relevant to their application.

Deadline and start date. The review of applications will begin on February 1, 2013. However, we will continue to receive and to review applications until the positions are filled. The appointment start date is flexible, but our preference is August 2013. Please submit inquiries as well as completed applications to Jim Ehleringer at the University of Utah (jim.ehleringer@utah.edu).