



Post-Doctoral Position Ecohydrology and Biogeochemistry of Urban Watersheds

The iUTAH (**innovative Urban Transitions and Aridregion Hydro-sustainability**) project anticipates hiring 2-4 postdoctoral fellows over the next 9 months to work with hydrologists, ecologists, biogeochemists, climate scientists, social scientists, planners, and engineers. The successful candidate for this position will work with iUTAH faculty and students at a facility consisting of both a sub-watershed scale urban hydro-observatory and experimental bioretention systems. We are particularly interested in an individual whose research will focus on coupled hydrological and biogeochemical processes in urban catchment ecosystems, using modeling, observational, and experimental approaches. It is expected that this postdoctoral research will help to 1) quantify the spatial and temporal patterns in how urbanization impacts water quality and quantity, and 2) assist in the development and evaluation of solutions (green infrastructure) to pressing water quality issues at the mountain to urban transition. Information about all four available positions can be found at <http://iutahepscor.org/opportunities.html>.

The successful candidate will become a post-doctoral associate at the University of Utah for an initial period of one year. Renewal for a second year is anticipated, subject to satisfactory progress and the availability of funds.

Expected Background: Applicants should hold a Ph.D. in a relevant discipline with training in one or more of the following areas: hydrology, biogeochemistry, environmental engineering, water resources engineering, or ecosystem science. Experience in spatial analysis, modeling, isotopic and biogeochemical tracers, and working with large spatial and temporal data sets will be viewed favorably. Excellent written and oral communication skills as well as experience or willingness to work in both field and laboratory settings required. Priority in reviewing applications will be given to applicants who have demonstrated interest in bridging across disciplines and training in a team setting.

Larger Project: The iUTAH Project is building an integrated research platform to study coupled human-natural water systems along a montane-through-urban gradient in three watersheds along the Wasatch Front of northern Utah. This region is experiencing unusually rapid population growth and climate models predict dramatic changes in water availability. Understanding water sustainability in this region requires an interdisciplinary approach to studying the linked biophysical, social, and engineered aspects of urban water systems. More information can be found at <http://iutahepscor.org/>.

Application Process: Applications must 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. For inquiries, please contact Steve Burian (steve.burian@utah.edu) or Paul Brooks (paul.brooks@utah.edu). Completed applications should be sent to iutepsco@gmail.com. Please indicate "Application for Postdoctoral Position iUTAH BUGI" in the subject line of the submission email. The review of applications begins immediately for a preferred start date in early 2015.