

Post-doctoral Scholar  
Hydrogeomorphic response to changing climates in the Pacific Northwest

The person in this position will lead a multi-year, inter-institutional research effort to characterize and forecast the effects of changing climate on streamflows and geomorphic processes in the Pacific Northwest. Focus will be on developing and extending theoretical and empirical models of hydrologic response to climate drivers, emphasizing the role of geologic and ecologic controls and filters. The individual hired will have primary responsibility for exploring fruitful lines of attack on the problem, data acquisition and analysis, developing and applying relevant hydrologic and statistical models, and reporting results as journal publications and presentations.

This position is with the [Watershed Processes Group](#). The Postdoctoral Scholar will be based at Oregon State University (OSU) and work closely with scientists at the PNW Research Station (primarily Gordon Grant) and OSU, and collaborate with research groups at the Environmental Protection Agency, US Geological Survey, University of Washington and University of California Santa Barbara. This is a grant funded, non-tenure track, 12-month appointment in OSU Geosciences, with annual reappointment upon satisfactory performance and continued funding. Link to [appointment guidelines](#).

Qualifications:

- 1) Ph.D. in hydrology, geomorphology, watershed sciences, or a closely related field, with a demonstrated record of publication or other successful dissemination of work.
- 2) Strong fundamental understanding of hydrologic processes at the scale of small watersheds to larger catchments, with expertise in one or more of the following: snowpack dynamics, groundwater processes, ecohydrologic interactions, drainage network response to precipitation/runoff relationships.
- 3) Experience and facility with distributed parameter hydrologic models; familiarity with climate models and climate change scenarios desirable
- 4) Strong statistics, data analysis and visualization skills, particularly with respect to long time-series data sets.
- 5) High level working knowledge of GIS and other spatial analysis tools. Expertise with interpreting remote sensing a plus.

The position may begin as soon as April 1, 2010, with an expected duration of 2 years. Salary will be commensurate with experience, in the range of \$40-\$45k/yr.

Corvallis is an extremely livable and intellectually rich environment, with a major research-focused state university, multiple federal agencies focused on natural resource issues, and a vibrant arts and cultural community. Outdoor opportunities abound.

Please send a letter of application describing your research experience and qualifications relevant to this position, a complete resume with links to publications, and the names, email addresses and telephone numbers of three references to Sarah Lewis, [sarah.lewis@oregonstate.edu](mailto:sarah.lewis@oregonstate.edu) or 3200 SW Jefferson Way, Corvallis, Oregon 97330. Review of applications will begin February 15, 2010, and continue until a suitable candidate is found.