



Post-doctoral scholar in hydrology

RECRUITMENT PERIOD

Open October 25th, 2017 through December 29th, 2017

DESCRIPTION

The Mountain Hydrology Research Group at University of California, Merced and the University of California, Los Angeles seek applications for a postdoctoral scholar research position in hydrology and water resources. The successful candidate will carry out hydrologic modeling of Sierra Nevada watersheds, with particular emphasis on the American River basin. The modeling work that will be undertaken is intended to lead to improved understanding of how climate, vegetation, soil, and geologic characteristics control and modulate critical zone processes across a wide range of temporal and spatial scales (e.g., from headwater to river basin). The successful applicant will be expected to assemble historical and real-time hydroclimatic observations, in-situ field measurements, and remote sensing data that will be used to constrain numerical hydrologic models (including USGS/PRMS) that are increasingly important in prediction and forecasting of hydrologic processes. The successful applicant will join an interdisciplinary group working at UC Water Security and Sustainability Research Initiative (<http://ucwater.org/>) and Southern Sierra Critical Zone Observatory (<http://criticalzone.org/sierra/>). The scholar will meet with stakeholders and water managers, prepare manuscripts and reports based on the research. This position will be located at the UC Merced and UCLA campuses – the primary location can be either Merced or Los Angeles, depending on the applicant's preference.

Qualifications:

Ph.D. in hydrology, water resources engineering or closely related field. The candidate must have hydrologic modeling experience as well as the ability to write and understand codes in Fortran with working knowledge of Python, MATLAB, and R. Prior experience in hydrologic modeling (advanced hydrologic prediction methods such as PRMS, DHSVM, VIC, and/or LPJ-DGVM/MC1) is essential. Experience with fieldwork is desirable. The successful candidate will have the ability to work with guidance from principal investigator and collaborators, have excellent written communication skills, good organizational and interpersonal skills. The selected candidate should have the ability to work in a team environment and interact with a broad range of colleagues.

Salary: Salary negotiated based on the University of California postdoc Salary Scale

Closing Date: Initial review date: December 29, 2017; position will remain open until filled.

To Apply: Interested applicants are required to submit 1) a cover letter 2) curriculum vitae 3) statement of research and 4) a list of three references with contact information including mailing address, phone number and e-mail address; this will be submitted through the Recruit system.

For more information: Drs. Martha Conklin - mconklin@ucmerced.edu, Dennis Lettenmaier - dlettenm@ucla.edu and Mohammad Safeeq – msafeeq@ucmerced.edu.

Visit: <http://ucwater.org> and <https://aprecruit.ucmerced.edu/apply/JPF00555>

JOB LOCATION

Merced, CA

REQUIREMENTS

Include your CV, Cover letter, statement of research and 3 references.