

We solicit applications for a postdoctoral position at University of Illinois at Chicago and Argonne National Lab in the field of ecohydrology, dendroecology and root processes.

The individual selected will work alongside faculty members and research scientists in Earth Sciences and Biological Sciences at UIC and Argonne National Lab to study how root dynamics influence ecosystem processes. The project involves: (1) validation and improvements to a new dynamic root module for community land surface models, (2) field work at flux towers in the midwestern US and (3) laboratory analysis of wood and root samples. The candidate will be responsible for modifying and running the E3SM model and analyzing model output. However, depending on the background and interests of the selected individual, they will have opportunities to directly contribute to a subset of other project activities listed above.

The position requires a doctorate degree in ecology, Earth science, or a related field; strong quantitative and logical skills; and familiarity of Earth or climate system modeling. Experience with dendroecology, root processes, or stable isotope chemistry will be considered favorably. Candidates are expected to have strong curiosity, self-motivation and capacity for independent work, with strong writing and oral communication skills. Knowledge of FORTRAN and experience with Linux environments are required. Preference will be given to candidates with strong data analysis skills.

Applicants should include a current CV and names and contact information for three professional references. Application materials will be accepted immediately and can be submitted by email to [berkelha@uic.edu](mailto:berkelha@uic.edu). Applications will be accepted until the position is filled, but submission of materials by September 30, 2019 will ensure their consideration. Start date is negotiable but is preferred to be no later than November 2019.

Final authorization of the position is subject to availability of funding. The University of Illinois at Chicago is an affirmative action, equal opportunity employer, dedicated to the goal of building a culturally diverse and pluralistic faculty and staff committed to teaching and working in a multicultural environment. We strongly encourage applications from women, minorities, individuals with disabilities and covered veterans. The University of Illinois may conduct background checks on all job candidates upon acceptance of a contingent offer. Background checks will be performed in compliance with the Fair Credit Reporting Act.

Questions and inquiries can be directed to: [berkelha@uic.edu](mailto:berkelha@uic.edu)