

Aquatic Ecology Postdoctoral Position at Niwot Ridge LTER

The Niwot Ridge Long-Term Ecological Research Program (LTER) is seeking a postdoctoral scientist with expertise in the aquatic sciences for a two-year position at the University of Colorado, Boulder. This position offers a unique opportunity to integrate long-term field data, experimental manipulations, and advanced analytical techniques to understand how mountain lake ecosystems and their biological communities – including interactions between zooplankton and phytoplankton – are responding to environmental changes in climate, nitrogen deposition, and disturbance. A successful candidate for this position should have experience in aquatic biology and/or community ecology, preferably with a background in montane or alpine environments. The position requires a Ph.D. in a field related to the aquatic sciences as well as demonstrated prior experience in analyzing complex ecological problems. Applicants are expected to have advanced quantitative skills in ecological analyses, demonstrated experience in developing scientific publications from complex ecological problems, an ability to work both independently and as part of a collaborative, interdisciplinary scientific team.

The Niwot Ridge LTER is home to one of the longest observational records of alpine ecology in the world. The aquatic science record includes phytoplankton and zooplankton composition, lake and stream primary production, surrounding snow depth and ice-cover, stream and lake water chemistry, as well as many concurrent terrestrial observations. Recently, the LTER has added an array of automated sensors to measure key biophysical factors in an instrumented catchment and increased sensor-based lake measures, and are intent using these tools to better understand aquatic ecosystems. The LTER is developing experimental techniques to effectively test how aquatic communities change in response to climate shift scenarios. The successful candidate will thus have a valuable opportunity to develop and test hypotheses synthesizing and/or build from existing datasets, working alongside a multi-disciplinary team of researchers to design and implement additional field studies, and writing integrative and innovative manuscripts.

Applicants should submit their materials directly through the CU Careers website (JOB 14582). Any questions can be directed to Dr. Pieter Johnson (pieter.johnson@colorado.edu). Salary is \$52K annually with benefits. Review of applications will begin immediately and continue until the position is filled. The start date is negotiable. See direct link here: <https://jobs.colorado.edu/jobs/JobDetail/Post-Doctoral-Associate/14582>