I am recruiting a Ph.D. student interested in the climate, ecology and hydrology of forest ecosystems in the southwestern United States. My lab is leading research projects to better understand declining natural regeneration in coniferous forests. This particular position includes a Research Assistantship focused on 3 projects: (1) better understanding of the stress tolerance of juvenile trees; (2) linking microclimate and ecohydrological dynamics to juvenile tree mortality using ground-based instrumentation; and (3) forecasting the changing effectiveness of forest management actions in scenarios of 21st century climate change using computational modeling.

Ideally, this appointment will begin in summer 2021 (field research), with entry into the UNLV graduate program in the fall. Priority will be given to students who have completed a master's degree, have published peer-reviewed journal articles, and who have experience conducting quantitative ecological research. Experience using tools and building things is a bonus! Applicants should first contact me (Dr. Matthew Petrie: matthew.petrie@unlv.edu) with a letter of interest and a CV or resume. A departmental application is due in early 2021. I am happy to answer any questions you might have about this position and the research attached to it.

This position will be in the School of Life Sciences (https://www.unlv.edu/lifesciences), one of the largest academic units on the UNLV campus. UNLV is a R1 public research institution committed to rigorous educational programs, and is one of the most ethnically diverse universities in the United States. In addition to nightlife and entertainment options, Las Vegas offers extensive year-round outdoor recreation opportunities, a ski area, and has more than 10 National Parks (as well as Baja California and the Pacific Ocean) within a day's drive.