Post-doctoral research associate
Warming and rainfall change at the temperate-boreal forest

The University of Minnesota, Department of Forest Resources is seeking a postdoctoral scientist to join a team of faculty, post docs, research staff, and students working on the B4WarmED experiment in Minnesota, USA. B4WarmED manipulates above- and belowground temperature in a free-air design (ambient, +1.6°C and 3.2°C) and rainfall (ambient, -40%) using rainout shelters that are deployed on an event-by-event basis. Initiated in 2008, juveniles of a mix of boreal and temperate trees are planted into existing ground layer vegetation. Over the course of the experiment, we’ve amassed datasets on growth, survival, photosynthesis, phenology, soil CO2 flux, and others that span >10 years of experimental treatments. The postdoctoral scholar will work on analyses and manuscripts based on the extensive existing long-term datasets. The postdoc may also participate in ongoing or new research, especially as that helps extend, gap-fill or complement existing data. They will also be encouraged to participate in the NSF-funded Biology Integration Institute at Univ. of Minnesota. The ideal candidate will have a Ph.D. in ecology, plant ecophysiology, ecosystem ecology, or a closely related field, a strong work ethic, demonstrated writing and quantitative capabilities, a record of leadership, and a proven ability to work independently.

Applications or questions can be directed to Dr. Rebecca Montgomery (rebeccam@umn.edu) and Dr. Peter Reich (prech@umn.edu).

Applications and required documents must be submitted online at the Univ. of Minnesota Employment website: http://employment.umn.edu, requisition 342229. This position is available immediately, is funded for one year (likely 2-3 yr), and is primarily located in St. Paul, MN. Review of applications will begin Sept 1, 2021 but all applications received by Sept 21 will receive similar consideration, and we encourage applications beyond that date as other positions may be opening. Applications must include: (1) detailed CV/resume; (2) brief statement describing interest in the position (1 page); (3) undergraduate and graduate transcripts; (4) brief statement describing interest in, experience with, and commitment to diversity, equity, and inclusiveness (1 page); (5) names and contact information for three references. Combine all parts of the application into a single document before uploading. Documents may be attached after application by accessing your "My Job Applications" page and uploading documents in the "My Cover Letters and Attachments" section.

Being committed to excellence through diversity, the College of Food, Agricultural and Natural Resource sciences is committed to hiring a diverse staff, and actively encourages candidates from historically underrepresented groups to apply.
Job Duties
• (100%) Research implementation, analysis, publication
  o Conduct, interpret and report research on B4WarmED
  o Data analysis and synthesis of field data and other relevant data sets
  o Present research findings at professional and outreach conferences
  o Publish at least one journal article/calendar year, either as the primary or a supporting author

Required Qualifications
• Ph.D. in forest ecology, plant ecophysiology, ecosystem ecology, or a closely related field
• Evidence of productivity in research such as publications or presentations
• Demonstrated ability to work independently
• Record of leadership

Preferred Qualifications
• Ability to work successfully with a varied mix of internal and/or external partners from diverse communities and cultures.