Post-doctoral research associate

Biodiversity and global environmental change in grassland ecosystems

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 BioCON and TeRaCON experiments in Minnesota, USA. These experiments manipulate above- and belowground temperature (ambient and 3.0°C), rainfall (ambient, -40%), CO2 (ambient and elevated via free-air enrichment), N deposition, and species richness and composition. We’ve amassed datasets on biomass, leaf area index, plant composition and diversity, species abundances, photosynthesis, phenology, soil CO2 flux, soil N pools and fluxes, and other metrics, that span >22 and >9 years respectively (BioCON, TeRaCON). The postdoctoral scholar will work with the team on analyses and manuscripts based on the 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, community 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. Peter Reich (reich@umn.edu), Dr. Forest Isbell (isbell@umn.edu) and Dr. Sarah Hobbie (shobbie@umn.edu).

Applications and required documents must be submitted online at the Univ. of Minnesota Employment website: http://employment.umn.edu, requisition 342127. 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 professional 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
  - Conduct, interpret and report research on BioCON and TeRaCON
  - Data analysis and synthesis of field data and other relevant data sets
  - Present research findings at professional and outreach conferences
  - 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.