

Positions Available:

Ecology Field Research Interns



Overview:

Northern Minnesota is a focal point of potential climate warming impacts because it sits at the transition between the boreal and temperate forest biomes. The *B4WARMED (Boreal Forest Warming at an Ecotone in Danger)* experiment is a unique manipulative experiment that warms both plants and soil in the field to emulate future climate scenarios. This experiment examines how tree seedlings and germinants respond to predicted warming with respect to physiology, phenology, growth, and survival. For more information: <http://forestecology.cfans.umn.edu/B4WARMED.html>

Position Description:

- We seek undergraduate or newly graduated students with a background or interest in biology, ecology, physiology, environmental science, biophysics, forestry, or related field.
- Interns are needed primarily from June until August but some workers as early as March and others workers are needed through November.



Research site and work day description:

Field work will be split between research sites at the Cloquet Forestry Center in Cloquet, MN (<http://cfc.cfans.umn.edu/>), and the Hubachek Wilderness Research Center in Ely, MN. An individual's home base may be at either of these locations. Both research sites are in beautiful forested settings and provide access to the natural areas of Northern Minnesota including the Boundary Waters Canoe Area Wilderness. Typical work days are eight hours Monday through Friday, however some tasks require weekend, early morning or evening work. Travel between sites will be necessary.

Responsibilities:

General responsibilities include collecting and recording data in both field and laboratory environments in accordance with established protocols, limited data entry, and aiding principle investigators and graduate students as needed. Specific field responsibilities include measurements of plant growth, physiology, and phenology; and routine maintenance of field instruments or research equipment. *Desired qualifications include:* 1) willingness to work hard in outdoor setting, 2) ability to follow research protocols, 3) familiarity with plant and tree species of Northern Minnesota, 4) an ability to work well and play well with others, and 5) enthusiasm and curiosity.

Contact:

Please send resume including relevant experiences and work along with two references and dates available to:

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Independent Research:

As part or independent of these positions, opportunities abound for guided research with project investigators: Peter Reich, Rebecca Montgomery, Roy Rich, Sarah Hobbie, or Jacek Oleksyn. We actively seek undergraduates, recent graduates or graduate students who want to undertake supervised research within the scope of the *B4WARMED* experiment. We encourage and will assist students to solicit student research funding as it may be available. Questions regarding research opportunities should be directed to Roy Rich at: rich0475@umn.edu.

More information on independent research opportunities with *B4WARMED* can be found at: <http://forestecology.cfans.umn.edu/opportunities.html>

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