

OPPORTUNITIES FOR GRADUATE AND UNDERGRADUATE RESEARCH

We seek students from any graduate or undergraduate program interested in taking advantage of the opportunities afforded by two major long-term field experiments (B4WARMED and BIOCON) assessing terrestrial ecosystem response to global environmental change.

- **B4WARMED, (Boreal Forest Warming at an Ecotone in Danger)** started in 2008 at two sites in Ely and Cloquet, MN is an ecological experiment that examines elevated temperatures influence on forest tree species regeneration in a unique field manipulation of above and belowground temperature to emulate future climate scenarios. For more information: <http://forestecology.cfans.umn.edu/B4WARMED.html>
- **BioCON (Biodiversity, CO₂, and Nitrogen)** is an ecological experiment started in 1997 at the University of Minnesota's [Cedar Creek Ecosystem Science Reserve](http://www.biocon.umn.edu/index.html). BioCON's goal is to explore the ways in which plant communities will respond to four environmental changes that are known to be occurring on a global scale: increasing nitrogen deposition, increasing atmospheric CO₂, decreasing biodiversity, and changes in rainfall patterns. For more information: <http://www.biocon.umn.edu/index.html>



Although both projects have continued grant support and many existing lines of research, the total set of research opportunities in each experiment exceeds the capacity of our Minnesota team. New collaboration can provide a win-win scenario, as our experiments represent a unique research resource and energy + enthusiasm + creativity from new participants will enable a greater breadth and depth of research activity to develop.

Graduate students with interests in global change and terrestrial ecosystems may find our experiments afford opportunities to explore questions that would otherwise not be feasible. Undergraduate students at many colleges and universities have access to summer research funding through their home institution, or via fellowships from a variety of sources. Such students might also view our experiments as attractive contexts in which to conduct their research. Although preference will be given to applicants with their own stipend and/or research support, there is the possibility of some funding from our existing awards. For more information, please contact Roy Rich (rich0475@umn.edu) with a brief initial email inquiry.

Summer research jobs are also available for each of these projects. See companion flyers at <http://forestecology.cfans.umn.edu/opportunities.html> regarding these positions.



The University of Minnesota is an equal opportunity employer and educator.