



Whitebark Pine Ecosystem Foundation

2025 Request for Proposals for Whitebark Pine Student Research Grants Two grants are available

The mission¹ of the Whitebark Pine Ecosystem Foundation (WPEF) is to “promote the conservation of whitebark pine and other high elevation five needle white pine ecosystems through education, restoration, management, and research.” In support of this mission, the WPEF offers a research grant of **\$1000-\$2000** to an undergraduate or graduate student (MS or PhD) conducting research and writing a thesis on **any of the high-elevation five needle white pines (Hi-5)** in North America. For 2025 we are again partnering with John Van Gundy to offer another \$1000 scholarship for anyone who is doing research in whitebark pine dynamics under climate change.

Relevant areas of research that the WPEF usually funds include, but are not limited to: (1) threats to Hi-5 pines, including mountain pine beetle, white pine blister rust, successional replacement, and climate change; (2) interactions with wildlife, such as Clark’s nutcracker or other birds, red squirrels and grizzly bears; (3) restoration strategies for Hi-5 pines, including both field operations and nursery seedling production; (4) ecosystem level impacts of pine die off; and, (5) social or policy aspects of Hi-5 pine decline and restoration, including wilderness issues. Because of concern over Hi-5 pine populations, destructive sampling (particularly of mature, healthy trees) is strongly discouraged, and if the killing of mature, healthy trees is needed for your research, please discuss alternatives and justify your chosen sampling method. It is also your responsibility to ensure that you have all the necessary permits from land management agencies before starting any field work.

Monies for the WPEF funds **may be used for salary (maximum of half of the award), travel expenses for field work, or consumable research supplies**. However, the Van Gundy funding may also be used for analysis. Grants shall not be used to buy equipment that will be used beyond the duration of the project (and thus would be retained by the lab in which the student works).

Proposals will be evaluated based on sufficient objectives, economic feasibility, quality of science, scientific originality, and sufficient justification.

Your research proposal must include a:

1. Short (two single-spaced pages at most, not including references) proposal covering:
 - a. Background, objectives and justification for the research,
 - b. A description of the study plan and methods, including expected dates of work described,
 - c. Measures of success and expected outcomes of the research, including expected completion, and
 - d. A brief explanation of how the money will be spent.
2. Resume or CV, including your contact information and academic affiliation.
3. Letter of recommendation from your research advisor.

Grant recipients are encouraged to present their research findings at future WPEF annual science meetings and are expected to publish a research summary in our bi-annual journal *Nutcracker Notes*. All applicants are encouraged to join WPEF, and the grant recipient will receive a free subscription to *Nutcracker Notes* for one year.

Please send application materials (electronic only) to cyndi.smith@whitebarkfound.org by **February 14, 2025**.

¹ More detail on the mission, goals and objectives of the WPEF can be found at <www.whitebarkfound.org>.