

The Bert and Vonnie Turner Research Grant Fund

Lyon Arboretum is pleased to announce a funding opportunity through the generous support of the Bert and Vonnie Turner Research Grant Fund. The purpose of this funding is to provide grants to Graduate and Undergraduate (Junior or Senior year) students in the College of Natural Sciences and CTAHR to conduct plant related research that benefits the propagation and conservation of Hawai'i's threatened and endangered species. Funds may be used for costs associated with a research project, including but not limited to equipment, materials and supplies, and travel. Support for up to 1-year, and a maximum of \$5,000/student will be awarded to 2 to 3 students in the summer of 2019. All research projects will be conducted under the guidance of a Lyon staff member and the student's UH major advisor.

As the Bert and Vonnie Turner Fund is not a scholarship (for tuition, books and fees), it will not be listed in UH's STAR Application website. Instead, the student recipient will be reimbursed for research expenses up to the amount of the award.

All interested applicants are required to submit the following documents:

- Application form
- Provide a 1-2 page narrative that identifies the research topic, objectives, methodology and a proposed budget
- A memorandum from their research or student advisor verifying their eligibility and research project support

Listed below are suggested research projects from the Laukahi survey study conducted in 2017 (<http://laukahi.org/wp-content/uploads/2017/12/Laukahi-Research-Suggestions-List.pdf>), that pinpoint high priority plant conservation projects for Hawai'i. The highlighted research topics also meet the specific research needs for Lyon Arboretum. This list should serve as a guide for students but is not comprehensive. A central goal is to have student(s) work at Lyon for a significant portion of their research time.

- 1) Propagation of rare and endangered native ferns
- 2) Investigating mutualisms (pollinators, symbionts, dispersers) of a particular species
- 3) Phenology studies of particular species for better understanding of how natural phenomena such as climate, environment, and biota affect plants. Such information can be used to improve collections and survivorship
- 4) Recalcitrant seed germination and *in vitro* storage
- 5) Reproductive biology and breeding systems; plant breeding to improve seed set
- 6) *In vitro* slow growth media studies

Application deadline: May 24, 2019, Friday.

Submit by email or mail to: Nellie Sugii
Lyon Arboretum Hawaiian Rare Plant Program
3860 Mānoa Road
Honolulu, HI 96822
sugii@hawaii.edu



University of Hawai'i Foundation
Student Aid Information Form

Donor: Laurita "Vonnie" P. Turner

Date: December 26, 2018

Address: 1434 Punahou St Apt 1101
Honolulu, HI 96822-4740

School/College: Lyon Arboretum

Fund Name: Bert and Vonnie Turner Student Research Grant Dept:

Purpose:

The purpose of this fund is to provide grants to assist students conducting research at the Lyon Arboretum at the University of Hawai'i at Mānoa. Funds shall be used for costs associated with research (e.g. equipment & supplies, travel, etc.). Research projects will be conducted under the guidance of a Lyon staff member and the student's UH major advisor. With this funding, the applicant is expected to perform research that is directly related to the biology, propagation, and conservation of Hawaii's native plants.

Eligibility: Full-time [checked] Part-time [] Graduate [checked] Undergraduate [checked]

Recipients must be enrolled full-time as graduate or undergraduate students pursuing a degree at the College of Natural Sciences ("CNS") or the College of Tropical Agriculture and Human Resources ("CTAHR") at the University of Hawai'i at Mānoa.

Criteria:

- 1. Recipient must be studying and/or conducting research in such areas as biology, horticulture or plant conservation.
2. Must be in good standing with a minimum GPA of 3.0 on a scale of 4.0.
3. Preference to graduate students.
4. Preference to students who demonstrate an interest in Hawaii's native plants.

Number and Amount of Awards:

The number and amount of awards shall be determined by the selection committee based on the availability of funds.

Selection Process:

Recipients shall be selected by a committee appointed by the Director of the Lyon Arboretum at the University of Hawai'i at Mānoa.

Approved By:

Laurita P. Turner

Date

Rakan Zahawi, Director
Lyon Arboretum

Date

University of Hawai'i at Mānoa

Project No:

Project Title:

For UHF Use