

Additional Opportunities

1. Resources for undergraduate research including funding and mentors can be found at

<http://oregonstate.edu/research/resources-student-research>

2. Opportunities for undergraduate research experiences are also available in other venues. The National Science Foundation sponsors a number of summer training programs through the NSF Research Experiences for Undergraduates Program. These programs are available at a number of universities across the nation, and financial support in the form of tuition and stipends may be provided. For further information on the opportunities available through this NSF program, check the WEB page at:

<http://www.nsf.gov/home/crssprgm/reu/reubio.htm>

The **Department of Botany and Plant Pathology** is part of the College of Agricultural Sciences, one of the thirteen Colleges at Oregon State University that enrolls nearly 28,000 students. The department has responsibility for providing the citizens of Oregon with educational, research and service programs in the various fields of botany and plant pathology.

Instructional programs lead to a B.S. in Botany, and to M.A., M.S. and PhD. degrees in Botany and Plant Pathology. The faculty plays a major role in the teaching and advising of students enrolled in several interdisciplinary programs. For undergraduates these include the Biology major, the Environmental Sciences program and the Bioresource Research program. Departmental courses serve the requirements of a large number of undergraduate and graduate students enrolled in different Colleges, including non-science majors.

Research focuses address:

- fundamental problems in plant biology at the molecular, cellular, organismal, population, community, and larger levels of biological organization
- basic and applied problems directly related to plant biology in the natural ecosystems of the Pacific Northwest
- fundamental problems related to plant disease processes and the mechanisms of host-pathogen interactions
- identification and control of plant diseases directly affecting agriculture and forestry in the State of Oregon.

Public Service responsibilities include providing the State of Oregon with extended education in plant pathology. Faculty, both on and off-campus, have dedicated extension responsibilities; the OSU Plant Clinic provides plant disease diagnosis; the OSU Herbarium houses the largest vascular plant, bryophyte, algal, and fungal collection in Oregon and provides related extension services including plant identification for the state.

Department of Botany and Plant Pathology

Scholarships and Awards for Undergraduate Students



Oregon State
UNIVERSITY **OSU**

The **Department of Botany and Plant Pathology** is fortunate in the support it receives from alumni and friends. Through the OSU Foundation, we have established named funds and endowments in honor, or, in memory, of friends, alumni, and faculty. The growth of these funds enables us to enhance support for our students and programs. Our students have also been fortunate to regularly receive support from other organizations, including the Portland Garden Club.

The following funds provide support for undergraduate students:

Charles and Helen Fulton Memorial Endowment

The Fultons worked with the faculty through operation of their Fulton Seed Laboratory in Salem. The fund provides scholarships for botany majors and undergraduate research projects in botany.

Application is due in March using the College of Agricultural Sciences Scholarship Application form.

Contact: Dr. Melanie Link-Perez
melanie.link-perez@oregonstate.edu

Bonnie Hall Student Activity Fund

Bonnie Hall (1932-2004), a scientific illustrator, made numerous artistic contributions to the department including floral prints, note cards, mugs, t-shirts, and the department logo. The endowment supports group activities for undergraduate and graduate students.

Contact: Dr. Lynda M. Ciuffetti
ciuffetl@science.oregonstate.edu

Bill and LaRea Johnston Endowment

The LaRea D. Johnston endowment was established in 1990 to honor the teaching contributions of LaRea Johnston. The fund supports undergraduate education and is used either to directly support students or their research efforts, or teaching activities on behalf of these students. In 1992 the fund was renamed in memory of Bill Johnston.

The **Outstanding Senior Award** is also made possible by this endowment, and is awarded by recommendation to a senior student who has a high academic achievement with Grade

Point Average 3.50-4.00; has completed 45-60 hours of courses as a major in Botany & Plant Pathology; is an outstanding role model; **and either** involved in Botany and Plant Pathology related activities (significant contributions to Undergraduate Botany Club or other departmental activities) **or** other campus, community or professional activities (significant contributions to clubs or activities outside the department); **and (preferred but not required)** shown quality performance on independent study project.

Contact: Dr. Melanie Link-Perez

Thomas C. Moore Memorial Scholarship

Thomas C. Moore (1936-2002), joined the Department in 1963 and served as Chairman from 1973 – 1986. His research interests were in the regulation of plant growth and development and focused particularly on the biochemistry and physiology of the plant hormones known as gibberellins. He was the founding editor for the *Journal of Plant Growth Regulation* and served as Editor-in-Chief for the journal from 1981 through 1994. The memorial fund was established to assist students in botany and plant pathology.

Application is due in March using the College of Agricultural Sciences Scholarship Application form.

Contact: Dr. Melanie Link-Perez

Jean Siddall Memorial Scholarship

Jean L. Siddall is remembered for her pioneering work in the protection of Oregon's rare plants, and for establishing, during her lifetime, an Endowed Scholarship Fund for undergraduate students studying rare and endangered plants. Upon her death in 1997, her family donated funds to initiate the Jean L. Siddall Memorial Botany Scholarship.

Application is due in March using the College of Agricultural Sciences Scholarship Application form.

Contact: Dr. Melanie Link-Perez

The Ernest and Pauline Jaworski Fund for Summer Research Experiences for Underserved Undergraduates in Plant Science

OSU alumni from the departments of Biochemistry and Botany, the Jaworskis have worked with plant biology and science outreach programs for precollege students to increase opportunities for learning. The scholarship is offered for undergraduate research during summer term. The goal of this program is to increase the level of diversity among students who enter Ph.D. programs to pursue careers in university teaching and research by providing research opportunities to undergraduates that have been underserved. Program objectives include: to provide students with the preparation to become research scholars; to stimulate serious consideration

of graduate study; and to increase the number of successful underserved applicants and subsequent enrollment of these students in graduate school. This program affords students an opportunity to conduct selected research under the direction and guidance of an OSU faculty member. Special consideration will be given to applicants that have shown potential for success, but may have had limited access to graduate research or other preparatory opportunities

Application deadline is March 1.

Contact: Dr. Lynda M. Ciuffetti

Portland Garden Club Katherine Pamplin Fellowships

The Portland Garden Club offers fellowships of up to \$1000 for research in aspects of native plant biology, rare and endangered plant conservation and environmental effects on native plants. Selection will be based on excellence of the student's personal and academic qualifications, and on the anticipated contribution of the project to the conservation of rare and endangered plants.

Application deadline is March.

Contact: Dr. Aaron I. Liston
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