

**APPROPRIATIONS REQUEST FORM  
OREGON HOUSE DELEGATION  
FISCAL YEAR 2010**

**DEADLINE FOR SUBMISSION: FEBRUARY 13, 2009**

*PLEASE NOTE: As required by the House Appropriations Committee, all requests will be made public on the requesting Member's website.*

**1. Project Title:** Science Research and Teaching Complex

**2. Organization Name and address:**

Portland State University  
PO Box 751  
Portland, OR 97207

**3. Primary Contact name, phone number, mobile phone number, fax number and email:**

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**4. Project Location Address (if different from Organization):** N/A

**5. Please describe the requesting organization's main activities, and whether it is a public, private non-profit, or private for-profit entity:**

Portland State University, Oregon's largest university serving over 27,000 students, enhances the intellectual, social, cultural and economic qualities of the community by providing access to a quality liberal education for undergraduates and an appropriate array of professional and graduate programs. The university conducts research and community service that support a high quality educational environment and reflect issues important to the region. It actively promotes the development of a network of educational institutions and other organizations to serve the community. Portland State University is a public institution and is part of the Oregon University System, a state agency.

**6. Briefly describe the activity or project for which funding is requested (please keep to 500 words or less.)**

Portland State University is seeking funds to establish its Science Research and Teaching Complex. This Complex will focus on innovative ways to improve science education – at the university level and in K-12 schools and will be a site

for continuing education for K-12 science teachers. This Complex will provide students with state-of-the-art research and teaching space for biology, chemistry, environmental science, physics, and for the Masters Degree in the teaching of science. In addition, the Complex will support interdisciplinary research, teaching, tech transfer, and community outreach to businesses, industry, and schools.

**7. Has this project received federal appropriations funding in past fiscal years?**

Yes

**7a. If yes, please provide fiscal year, Department, Account, and funding amount of any previous funding.**

FY2008; Small Business Administration; \$500,000

FY2008; Labor HHS; \$390,000

**8. Federal agency and account from which funds are requested (Please be specific – e.g. Department of Housing and Urban Development, Economic Development Initiatives account):**

Small Business Administration

**9. What is the purpose of the project? Why is it a valuable use of taxpayer funds? How will the project support efforts to improve the economy and create jobs in Oregon?**

Building on PSU's nationally recognized University Studies general education program, the Science Research and Teaching Complex will work in conjunction with the Graduate School of Education to develop best practices for preparing future teachers at the undergraduate level in science majors by using a cohesive program of integrated learning experiences. Public policy and education leaders have identified the need for more science teachers in the future.

Portland State University's Graduate School of Education prepares the majority of teachers in the metropolitan area. The PSU Science Research and Teaching Complex will be the place where these future teachers obtain their undergraduate degrees, and it will be a site for continuing education for K-12 science teachers. It is essential that future teachers be prepared in their major in an environment that is similar to and as advanced as the laboratories that exist at K-12 schools throughout the region. The current facilities at PSU were constructed in the 1960s and few have been updated to be consistent with what is available in the school districts in Oregon. Thus, there is a need to establish the Center with state-of-the-art research capacity.

The Complex will also provide innovation in education for a rapidly growing sector of Oregon's economy. Enrollment in the sciences is the fastest growing area on campus and is directly linked to the demand for a properly prepared workforce by industry, business, health care, and education. This preparation requires simultaneous training in the fundamentals of science while responding to a rapidly changing world. In addition to preparing future teachers and providing a resource for continuing education of science teachers, the Complex will prepare pre-medical and pre-dental students, as well as scientists needed by the region's industries. The Complex will support several of Portland State University's Priorities and is consistent with the University's commitment to and national recognition for environmental, economic, and social sustainability in its academic programs.

Recently, Professor of Chemistry David Peyton led research which developed a treatment for drug resistant malaria. The treatment may be 10 times as effective as existing malaria drugs, decreasing the required dosage significantly. Smaller doses could mean fewer side effects and lower manufacturing costs. The drug is expected to move to human trials in the next two to three years. Peyton sees the eradication of the disease as critical to the health of women and children, and for the health of malaria-stricken countries. "What the world needs now," Peyton says, "is very good, very safe, very cheap anti-malarial drugs." This is a good example of the innovation and tech transfer that we will be accomplished in an updated facility that focuses on the core sciences.

The Complex will advance the Federal responsibility to build the nation's capacity and excellence in science and better prepare students to respond to the call for more qualified science teachers and graduates by government, business, and industry.

Funding from SBA will support the University's initiative in the sciences and provide a basis for replication of science initiatives at other universities experiencing an enrollment boom in this area. Urban universities will particularly benefit from this investment, as Portland State University will provide information to these institutions working to respond to employment demands for teachers, medical workers, and industry-based researchers who are skilled in the sciences.

**10. Have you requested funding for this project from other Members of Congress? If so, who?**

The University hopes that this request will be supported by the entire delegation.

**11. Funding Details:**

**a. Total project cost (all funding sources and all years):**

\$57.9 million

**b. Amount being requested for this project in Fiscal Year 2010:**

\$1 million

**c. What other funding sources (local, regional, state) are contributing to this project or activity? (Please provide specific dollar amount or percentage.)**

Portland State University is seeking a public/private partnership with this building. The State of Oregon authorized \$26.3 million in bonds from the Oregon University System's deferred maintenance program. The State bonds require a 100 percent match. This request of \$1 million from the SBA account would represent part of the funds needed to match state bonds; the rest would come from a combination of funding from other Federal agencies, as well as from private and foundation funding.

**d. Do you expect to request federal funding in future years for this project?**

None, unless full funding is not awarded.

**e. Breakdown/budget of the amount you are requesting for this project in FY 2010. (e.g. salary \$40,000; computer \$3,000):**

The estimated cost of the entire project is \$57.9 million. Of that total, basic construction costs are estimated at 72 percent and associated costs at 28 percent. Basic construction costs include site work and demolition; masonry and concrete; materials, finishes; elevators; mechanical, plumbing and electric; and specialties and equipment. Associated costs include programming, design, engineering, permits, bidding, contracts, supervision, legal services, and state and local mandated art programs.

The \$1 million requested from the SBA account will be used for construction.

**f. Please list public or private organizations that have supported/endorsed this project:**

David Vernier, CEO  
Vernier Software and Technology

Morgan Anderson  
Intel Oregon  
Education Relations Manager

Dave Robertson  
PGE  
Government Relations

Brad Zenger  
Pivotal Investments  
Director

Portland State University Alumni Advocates

Portland State University College of Liberal Arts Advisory Board

**g. Is this project scalable? (i.e. if partial funding is awarded, will the organization be able to use the funds in FY 2010?):**

Yes.