# Research Centers and Institutes

The university's interdisciplinary institutes and centers provide opportunities for graduate training and research. Members hold faculty positions in related academic departments. Students who want to work in one of the institutes as part of thesis or dissertation research must satisfy the graduate degree requirements of the related department through which they earn their degree.

Students who want to work in any of these fields may obtain information about the programs and financial aid from institute and center directors as well as online (http://research.uoregon.edu/content/uo-research-centers-and-institutes) .

## Center for Advanced Materials Characterization in Oregon

**Kurt Langworthy, Director**
541-346-6447
camcor.uoregon.edu

The Center for Advanced Materials Characterization in Oregon (CAMCOR) is a user facility housing a comprehensive array of materials characterization instrumentation and expertise to serve the needs of researchers on the University of Oregon campus, regional industries, and academic institutions. The facilities provide infrastructure for research in chemistry, nanoscience, engineering, physics, materials science, geology, bioscience, and optics.

## Center for High Energy Physics

**James Brau, Director**
541-346-4898
uoregon.edu/~chep

The Center for High Energy Physics (CHEP) enhances the physics research activities at Oregon by sponsoring seminars on topics in high-energy physics, hosting visiting scientists, supporting graduate student research, aiding interaction between experimental activities and theoretical investigations of Oregon scientists, and fostering communication of research to the broader community.

## Center for the Study of Women in Society

**Carol Stabile, Director**
541-346-5015
csws.uoregon.edu

This multidisciplinary research center generates, supports, and disseminates research on gender and all aspects of women's lives. A member of the National Council for Research on Women, the center is one of ninety-five women's research and policy facilities in the United States and among 300 such centers in more than eighty countries.

## Community Service Center

**Robert G. Parker and Megan E. Smith, Codirectors**
541-346-3889
csc.uoregon.edu

The Community Service Center (CSC) is an interdisciplinary organization that assists Oregon communities by providing planning and technical assistance to help solve local issues and improve the quality of life for residents of the state. The center's role is to link the skills, expertise, and innovation of higher education with the economic development and environmental needs of communities and regions in the state of Oregon, providing service to the state and learning opportunities to students.

## Institute for a Sustainable Environment

**Cassandra Moseley, Director**
541-346-0675
sustainable.uoregon.edu

The Institute for a Sustainable Environment (ISE) performs funded research projects related to regional analysis for managing landscape change due to population growth, climate change, economic change, and policy change. The institute also undertakes consulting projects and investigations related to these problems, helping governments and corporations adapt their policies and practices to better cope with rapidly evolving sustainability issues and challenges.

## Institute of Cognitive and Decision Sciences

**Frances J. White, Director**
icds (http://icds.uoregon.edu) .uoregon.edu

The Institute of Cognitive and Decision Sciences (ICDS) is dedicated to exploring the workings of the mind and brain and how they affect human behavior and social interaction. Its goals are to advance the empirical study and theoretical understanding of cognition, culture, and communication from an interdisciplinary perspective.

## Institute of Ecology and Evolution

**William Cresko, Director**
541-346-4532
ie2.uoregon.edu

The Institute of Ecology and Evolution ($IE^2$), established in 2002 as the Center for Ecology and Evolutionary Biology, promotes and facilitates research and graduate education in ecology and evolutionary biology. The institute encourages scientific interactions among its members and between members and the wider academic community.

## Institute of Molecular Biology

**Eric Johnson, Director**
541-346-5151
www.molbio.uoregon.edu

The University of Oregon offers a wide variety of research and training opportunities in contemporary molecular, structural, cellular, and developmental biology. The Institute of Molecular Biology (IMB) fosters research and training in contemporary biology at the molecular level by bringing scientists from biology, chemistry, and physics into a common intellectual and physical space.

## Institute of Neuroscience

**Dana Johnston, Interim Faculty Director**
541-346-4556
www.neuro.uoregon.edu

The Institute of Neuroscience (ION) is an interdisciplinary research group of scientists, with faculty members and students drawn from the Departments of Biology, Human Physiology, and Psychology. Its laboratories offer graduate and postdoctoral training in the neurosciences with projects that address the development of the nervous system and human cognitive processes.

## Institute of Theoretical Science

**Dietrich Belitz, Director**
541-346-4738
uoregon.edu/~its

The Institute of Theoretical Science (ITS) is a center for research in several interrelated disciplines that encompass mathematics, theoretical chemistry, and theoretical physics. Research interests of the institute's members include particle physics, astrophysics and cosmology, gravitational physics, condensed matter physics and statistical mechanics, group representation theory, geometric analysis, atomic physics, nonlinear dynamics, optical physics, biophysics, and the foundations of quantum mechanics.

## Robert and Beverly Lewis Center for Neuroimaging

**Fred Sabb, Director**
541-346-0337
lcni.uoregon.edu

The Lewis Center for Neuroimaging (LCNI), a component of the Brain, Biology, and Machine Initiative at the University of Oregon, supports interdisciplinary research in cognitive neuroscience and biological imaging. LCNI has a Siemens Allegra 3T magnetic resonance imaging (MRI) unit and full capabilities for the design and fabrication of magnetic resonance coils to support a broad range of research needs and applications.

## Materials Science Institute

**Richard P. Taylor, Director**
541-346-4307
materialscience.uoregon.edu

The purpose of the Materials Science Institute (MSI) is to study the structure and properties of materials, to educate in the sciences of materials, and to serve Oregon as a resource in these sciences. Since 1985, the institute has more than tripled the size of its research program, developed four new graduate programs in materials, and contributed to the state's prosperity through collaboration with more than twenty-five Oregon companies.

**Industrial Internships for Master's Degrees in Chemistry or Physics.** The Materials Science Institute sponsors internship programs in photovoltaic and semiconductor device processing; organic synthesis and organometallics; polymers and coatings; and optical materials and devices. These programs offer interdisciplinary training at the physics-chemistry interface and are designed to make students more effective problem-solvers in the industrial environment. Students begin the program during summer session with three to four graded 4-credit courses. Students who successfully complete these courses interview for internships with local and regional industries. Students selected by these companies complete a nine-month internship with salaries ranging from $2,000 to $5,400 a month. Participants have typically moved quickly into permanent employment during or after the internship. Students remain enrolled at the university throughout the program. They meet regularly with faculty advisors and report on their internship experience. Students can earn a master of science degree in chemistry or physics by completing an additional 12 graduate credits of course work at Oregon or at a college or university close to their internship location.

## Neuroinformatics Center

**Allen D. Malony, Director**
541-346-0534
www.nic.uoregon.edu

The Neuroinformatics Center (NIC) researches the application of computer science and numerical computation to problems with brain modeling and imaging. High-performance computing plays a significant role in the research at the center, which is part of the University of Oregon's Brain, Biology, and Machine Initiative.

## Northwest Indian Language Institute

**Janne Underriner, Director**
541-346-0730
www.uoregon.edu/~nwili

The Northwest Indian Language Institute (NILI) provides teachers, community members, and UO students with training in the teaching of Native American languages and linguistics. With tribal partners, NILI supports and strengthens language preservation and restoration efforts by establishing collaborative projects that meet the specific needs and desires of each language community.

## Oregon Center for Optics

**Miriam Deutsch, Director**
541-346-4528
oco.uoregon.edu

The Oregon Center for Optics (OCO) encompasses research in basic and applied aspects of optics in physics and physical chemistry. Members of the center are instructors in physics and chemistry; associate members are from these departments as well as from institutions outside the university; students—undergraduate, master's, and doctoral—are involved in all aspects of research at the center.

## Oregon Humanities Center

**Paul Peppis, Director**
541-346-3934
ohc.uoregon.edu

The Oregon Humanities Center (OHC) is the sole interdisciplinary umbrella organization for the humanities at the University of Oregon. It seeks to promote and strengthen the humanities both on campus and in the broader community by supporting faculty research and teaching, fostering collaboration among the disciplines, and sponsoring a wide variety of public programs.

## Oregon Institute of Marine Biology

**Craig M. Young, Director**
541-888-2581
uoregon.edu/~oimb

Founded in 1930, the Oregon Institute of Marine Biology (OIMB) is the third-oldest marine laboratory on the Pacific Coast. The 130-acre

campus, located about two hours from Eugene, maintains housing and research facilities for visiting investigators and students from other institutions. Members of the resident faculty are from the UO Department of Biology, conducting research on the development, ecology, evolution, and physiology of marine organisms worldwide from the intertidal zone to the deep sea.

## Prevention Science Institute

**Elizabeth A. Stormshak, Director**
541-346-9396
psi.uoregon.edu

The Prevention Science Institute (PSI) at the University of Oregon is a multidisciplinary institute focused on understanding human development, preventing behavioral health problems, and implementing effective interventions in community settings. The PSI evolved from the Child and Family Center (http://cfc.uoregon.edu) , which remains as a center within the PSI. The core mission of the PSI is to improve the lives and well-being of at-risk children, individuals, and families throughout the lifespan. The PSI is a research institute designed for collaboration among faculty members across disciplines, including psychology, social and affective neuroscience, development, education, and others interested in prevention.