

Summer Undergraduate Research Experience

The Institute of Environmental Health (IEH) offers paid undergraduate internships with the **Center for Coastal Margin Observation & Prediction (CMOP)** and **Division of Environmental and Biomolecular Systems**.

IEH is advancing the understanding of contemporary ecosystems, anticipating their evolution under climate change and increasing human stresses, and exploring strategies to mitigate impacts of environmental change on public health.

Internship Program

IEH considers applications from undergraduate freshmen, sophomores, juniors, and seniors with backgrounds and majors in biology, chemistry, computer science, engineering, environmental science, mathematics, physics, and others. Prior lab or field experience is not required.

Interns engage in leading-edge research to understand and predict biological, chemical and physical processes of the river-to-ocean ecosystem, contributing data and analysis that provide guidance for sustainable ecosystem management. Interns work closely with senior scientists, post-doctoral fellows, and graduate students on interdisciplinary projects ranging from physical and biogeochemical oceanography, molecular biology, analytical chemistry, marine genomics, ocean engineering, and computer science.

Students participate in a range of activities including research cruises, field trips, and a variety of seminars on scientific themes, career opportunities and scientific ethics.

IEH is located at Oregon Health & Science University's West Campus in Beaverton, Oregon.



*Mayan Dada spent her internship studying anaerobic gene regulation in *Bacillus subtilis*.*

Why be an intern?

- Engage in hands-on, cutting-edge research
- Work with world-renowned faculty
- Find out what graduate school is really like
- Make connections between the academic and working worlds
- Increase your competitiveness as a candidate for graduate school
- Participate in a program that is transforming science
- Gain a competitive advantage for life, while being paid and having fun!



For more information:

www.stccmop.org

Phone: 503 748-1609

Email: greenv@stccmop.org

OREGON
HEALTH
& SCIENCE
UNIVERSITY



Application

Download application from the CMOP website at www.stccmop.org/education

A one-page statement of interest

Resume

Official copies of all undergraduate transcripts

One letter of recommendation

For your convenience, IEH accepts all documents as e-mail attachments except for the official transcript.

Send materials to
Vanessa Green at
greenv@stccmop.org



Want to Know More?

www.stccmop.org
E-mail: greenv@stccmop.org
phone: 503 748-1609

Center for Coastal Margin
Observation & Prediction
Oregon Health & Science University
20000 N.W. Walker Road
Beaverton, OR 97006

Student Internship Experience

The internship gives you the opportunity to conduct research with scientists, post-doctoral-fellows, and graduate students. The following are some of the people you could be working with:

Nirzwan Bandolin **Graduate Student**

Estuary Trubidity Maxima in the Columbia River estuary

Lydie Herfort, Ph.D. **Postdoctoral Researcher**

Myrionecta rubra, the Red Water Bloom in the Columbia River estuary

Suzanne Delorenzo-Kroll **Graduate Student**

Linking Microbial Biogeochemical Cycling of Carbon and Nitrogen in the Oxygen Minimum Zone of the Pacific Northwest Coastal Margin

Jim Nurmi, Ph.D. **Staff Scientist**

Environmental Electrochemistry from Chemical Speciation to Environmental Sentinels

Wendy Smythe **Graduate Student**

Incorporating Traditional Ecological Knowledge in Geoscience Education in Hydrburg, Alaska



What past interns are saying

"CMOP gave me the tools I needed to be a successful undergrad at USC – the independent research experience impressed many professors, causing them to offer exclusive research positions in their laboratories. In addition, the internship opened other doors, unrelated to research, such as my tutoring position with USC athletes, RA position (really competitive at my school), Teach for America, and the #1 DPT program in the country. I would not trade my experience at CMOP for any other!"

Alexandra Rios
Summer Undergraduate Intern
2008-2009

