Cornell Opportunities in Marine Biology & Oceanography (COMBO)
Cornell University Field Program in Earth & Environmental Systems

EAS 350
Conservation Oceanography
Research Internships in Field Science (RIFS)

http://www.sml.cornell.edu/sml_research_undergrads.html

- In 2008, we will inaugurate RIFS to replace the NSF funded internship at SML. Our primary goals in developing RIFS are:
  1) to engage more Cornell and UNH faculty as research mentors;
  2) to make RIFS available to Cornell and UNH students who already have taken a credit course at SML.

- Each intern works with a faculty mentor on a research project, collects and analyzes data, and prepares a final project report.

- RIFS last seven weeks, and each intern will receive a stipend ($250/week), plus housing and meals.

- Applications will be available in December. If you’re interested, or if you have questions about RIFS, contact us at shoals-lab@cornell.edu, and put RIFS in the subject line! We will notify you when the application form is ready.
Research Apprenticeship Program
Spring and Autumn Quarters 2009

2009 RESEARCH APPRENTICESHIPS AT FHL

SPRING QUARTER

Marine Benthic Ecology

FALL QUARTER

Pelagic Ecosystem Function in the San Juan Archipelago

Marine Environment
Each fellow conducts a research project under the guidance of a member of the WHOI Scientific or Senior Technical Staff. This program aims to provide hands-on experience in ocean studies to a promising group of students with potential career interests in oceanography and/or marine policy.

Summer Student Fellow – Undergraduates who have completed their junior or senior year at colleges or universities and are studying in any of the fields of biology, chemistry, engineering, geology, geophysics, mathematics, meteorology, physics, oceanography, and marine policy. U.S. citizens or permanent residents may apply.

Timeframe: June-August for 10-12 weeks

Stipend/Travel/Housing: A $432 per week stipend is provided for the 10-12 week program plus a reasonable round-trip travel allowance to Woods Hole. A housing allowance is provided for fellowship recipients.
### REU Sites: Ocean Sciences

<table>
<thead>
<tr>
<th>Bermuda Biological Station for Research</th>
<th>Primary: Dr. Gerald Plumley</th>
<th><a href="mailto:plumley@bbsr.edu">plumley@bbsr.edu</a></th>
</tr>
</thead>
<tbody>
<tr>
<td>Open Ocean and Sub-tropical Marine Research Experiences for Undergraduates</td>
<td>Biological Station for Research</td>
<td>Education Department</td>
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<tr>
<td>Ferry</td>
<td></td>
<td>Reach/Bermuda, Bermuda</td>
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</tbody>
</table>

**Research Topics/Keywords:** oceanography, marine science, coral reef ecology, ecotoxicology, biology, biochemistry, molecular biology, chemistry, physics, geology, ecology

**Comments:** This program is conducted during the Fall Semester. BBSR is incorporated in the state of New York. The REU program takes place entirely in Bermuda.

[Abstract of Award](http://www.nsf.gov/crssprgm/reu/list_result.cfm?unitid=5053)
<table>
<thead>
<tr>
<th>Location</th>
<th>Primary</th>
<th>Secondary</th>
<th>Contact</th>
<th>Research Topics/Keywords</th>
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</thead>
<tbody>
<tr>
<td>Boston University's Marine Biological Laboratory</td>
<td><strong>Primary:</strong> Ivan Valiela 508-289-7647</td>
<td><strong>Secondary:</strong> Mirta Teichberg 508-289-7647</td>
<td><a href="mailto:valiela@bu.edu">valiela@bu.edu</a> <a href="mailto:mirta@bu.edu">mirta@bu.edu</a></td>
<td>Estuaries, marine biology, ecology</td>
</tr>
<tr>
<td>Columbia University at Lamont-Doherty Earth Observatory (LDEO)</td>
<td><strong>Primary:</strong> Dr. Dallas Abbott <a href="mailto:dallas@ldeo.columbia.edu">dallas@ldeo.columbia.edu</a></td>
<td></td>
<td></td>
<td>geology, geophysics, chemistry, physics, oceanography, marine science, earth science</td>
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**Abstract of Award**
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<tr>
<th>Institution</th>
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<tbody>
<tr>
<td>Dauphin Island Sea Lab</td>
<td>Ms. Sally Brennan, Registrar 251-861-7502 <a href="mailto:sbrannan@disl.org">sbrannan@disl.org</a></td>
<td></td>
<td>Oceanography, marine science, estuary, ocean, biology, geology, chemistry, coastal, ecology</td>
<td>This site now runs in the SUMMER, not in the Fall.</td>
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<tr>
<td>Georgia Institute of Technology Aquatic Chemical Ecology (ACE) at Georgia Tech</td>
<td>Dr. Marc Weissburg 404-894-8433 <a href="mailto:marc.weissburg@biology.gatech.edu">marc.weissburg@biology.gatech.edu</a></td>
<td>Dr. Frank Loeffler 404-894-0279 <a href="mailto:frank.loeffler@ce.gatech.edu">frank.loeffler@ce.gatech.edu</a></td>
<td>Interdisciplinary education in aquatic chemical ecology: Biological and physical transformations of chemicals in aquatic habitats; Sensory biology and ecology of aquatic chemical communication; Ecolog</td>
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<tr>
<td>Mote Marine Laboratory Experiences in Estuarine Science for Undergraduates at Mote Marine Lab, with special focus on Native Pacific Islanders</td>
<td>Dr. James Gelsleichter 941-388-4441 [<a href="mailto:jim@gote.org">jim@gote.org</a>](mailto: <a href="mailto:jim@gote.org">jim@gote.org</a>)</td>
<td></td>
<td>estuarine, oceanography, marine science, ecology, biology, chemistry, physics, geology, sharks, environment, minority, Pacific Islanders</td>
<td>Additional contact: Ms. Sharon Ziegler-Chong; Univ. of Hawaii Sea Grant, 808-974-7601</td>
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Oregon State University
REU Site for
Oregon Marine Science: From Upper Estuaries to the Deep Sea
Hatfield Marine Science Center,
Newport,
Oregon

Primary: George W. Boehlert
541 867-0211
george.boehlert@oregonstate.edu

Research Topics/Keywords: marine and estuarine science, oceanography, satellite remote sensing, geology, ocean and atmospheric physics
Comments: This site is located on the Oregon Coast in Newport and also on the main OSU campus in Corvallis, with added opportunities in geology, remote sensing and ocean/atmosphere physics.

University of California at Irvine
NSF REU Summer Fellowships in Climate and Biogeochemistry
Department of Earth System Science
Irvine, CA

Primary: Keith Moore
949-824-5391
jkmoore@uci.edu

Research Topics/Keywords: Climate, biogeochemistry, oceanography, atmospheric science, ecosystems, hydrology, earth system science, remote sensing
Abstract of Award
Cofunded: Biological Sciences, Earth Sciences, Ocean Sciences
<table>
<thead>
<tr>
<th>University of Delaware</th>
<th>302-645-4226</th>
<th><a href="mailto:dmanship@udel.edu">dmanship@udel.edu</a></th>
<th>science, biology, chemistry, physics, ecology, coastal studies, geology, engineering, mathematics, biochemistry</th>
<th>Comments: Funded through the Summer of 2005.</th>
<th>Abstract of Award</th>
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</thead>
<tbody>
<tr>
<td>University of Maryland</td>
<td>Primary: Dr. Fredrika Moser 301-405-6373 <a href="mailto:moser@mdsg.umd.edu">moser@mdsg.umd.edu</a></td>
<td>Secondary: Jeannette Connors 301-405-6376 <a href="mailto:connors@mdsg.umd.edu">connors@mdsg.umd.edu</a></td>
<td>Research Topics/Keywords: Oceanography, marine science, estuary, Chesapeake Bay, coastal studies, biology, geology, chemistry, physics, ecology, environmental studies</td>
<td>Comments:</td>
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<tr>
<td>Undergraduate Research Experiences in Estuarine Processes</td>
<td>University of Maryland Center for Environmental Science REU site: Undergraduate Research Experiences in Estuarine Processes</td>
<td>Primary: Dr. Fredrika Moser 301-405-7500 <a href="mailto:moser@mdsg.umd.edu">moser@mdsg.umd.edu</a></td>
<td>Research Topics/Keywords: Marine science Abstract of Award</td>
<td>Cofunded: Biological Sciences, Ocean Sciences</td>
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University of Rhode Island
Summer Undergraduate Research Fellowships in Oceanography (SURFO)
Graduate School of Oceanography
Narragansett, RI 02882-1197

Primary: Ms. Kim Carey
kcarey@qso.uri.edu
Secondary: Dr. Robert Pockalny
robp@qso.uri.edu

Research Topics/Keywords: marine science, oceanography, biology, chemistry, physics, geology, coastal studies, ecology, geophysics, chemical oceanography, marine studies
Abstract of Award
Cofunded: Department of Defense (DoD)

University of Southern California
Geobiology-Marine Science at the Interface between the Life and Earth Sciences
Wrigley Institute for Environmental Studies
Los Angeles, CA 90089-0371

Primary: Dr. Linda Duguay
duguay@usc.edu

Research Topics/Keywords: marine microbiology, ocean biogeochemistry, ecology of marine animals, environment
Abstract of Award
<table>
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<tr>
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<th>Primary:</th>
<th>Research Topics/Keywords:</th>
<th>Comments:</th>
<th>Abstract of Award</th>
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<tr>
<td>Virginia Institute of Marine Science</td>
<td>Mrs. Fonda Powell</td>
<td>marine science, oceanography, biology, chemistry, physics, geology, coastal studies, ecology, estuarine science</td>
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<td>Virginia</td>
<td>804-664-7105</td>
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<td>Institution of Marine Science, Summer</td>
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<td>Office of the Graduate Dean</td>
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<td>Gloucester Point, VA 23062</td>
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<tr>
<td>Western Washington University</td>
<td>Dr. Stephen Sulkin</td>
<td>marine science, oceanography, biology, chemistry, physics, geology, coastal studies, ecology</td>
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<tr>
<td>University</td>
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<td>Shannon Point Marine Center (SPMC)</td>
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<td>Oceanographic Institution</td>
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<tr>
<td>Woods Hole</td>
<td>Dr. Jian Lin</td>
<td>marine science, oceanography, biology, chemistry, physics, ecology, engineering, geology, geophysics</td>
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<td>Oceanographic Institution, Summer</td>
<td>508-289-2576</td>
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<td>Student Fellowship Program</td>
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<td>Education Office,</td>
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<td>Woods Hole</td>
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Marine Science is a very broad field. Check out the following links to find out more about becoming a marine scientist or a marine biologist!

http://oceanlink.island.net/career/career2.html

- More interviews with Marine Scientists - questions about schooling, salaries and skills!
- Answers to OceanLink questions on Careers in Marine Biology
- Interviews with Marine Scientists
- A question about the role of a marine biologist in society
- A first hand account from a marine biology student
- Career Links: Links to Canadian and American Universities
- Students in Action!!! - learn first hand what life is like at Marine field school

- Careers in Marine Biology from Monterey Bay Aquarium
- So you want to become a Marine Biologist - from Scripps Institution of Oceanography
- Careers in Oceanography from Texas A &M Sea Grant Program
- Careers at Zoological Parks from Sea World - Busch Gardens
- Careers in Marine Science: A Diversity of Opportunities - a video tape from NAML
- Marine Science Careers - a booklet from Sea Grant

The following web pages provide advice for those interested in a career in the marine or aquatic sciences:

- Careers in Marine Biology - Monterey Bay Aquarium
- Aquarium Careers - Monterey Bay Aquarium
- Careers in Oceanography - Texas A &M Sea Grant Program
- Careers in Aquatic Science - American Society of Limnology and Oceanography
- Careers in Marine Mammal Science - Society for Marine Mammology
- Careers relating to marine mammals - National Marine Mammal Laboratory
- Career as a Whale Biologist or Researcher - Vancouver Aquarium
- Career as a Marine Mammal Trainer - Vancouver Aquarium
- Career as a Marine Biologist - Vancouver Aquarium
- Common Questions about a Marine Biology Career - Jeff Levinton, interview format
- Guide to Zoological Park Careers - from Sea World / Busch Gardens
- Marine Mammal Organizations List - from Marine Mammal Research Program, University of Hawaii
- Careers in Marine Science - Australian Marine Sciences Association, Inc.
- Careers in Marine Science: A Diversity of Opportunities - a video tape from NAML
- Marine Careers - Sea Grant, "virtual" interview format with practicing scientists, engineers , etc.
- Marine Science Careers - a booklet from Sea Grant ("virtual" interviews of marine scientists)
- Marine Science Careers - other Sea Grant publications, full-text online
- Careers in Oceanography and Marine Related Fields - Office of Naval Research
- Marine Science Careers - special issue of "Maritimes" University of Rhode Island
- Advice and hints about becoming an oceanographer - Texas A & M Dept. of Oceanography
- Training and Careers for Oceanographers - Texas A & M Dept. of Oceanography
- Marine Biology Career Questionnaire - SUNY Stony Brook
- College Programs in Marine Biology - SUNY Stony Brook
- Marine Science Career Profiles - interview format from OceanLink
- Marine Science Career Profiles 2 - interview format from OceanLink
- Remarkable Careers in Oceanography: Women Exploring the Oceans - some interviews
- So, You Wanna Be A Dolphin Trainer? - International Marine Animal Trainers Association
- So you want to become a marine biologist? - Love Lab, UC Santa Barbara
- Becoming a marine biologist - Jeff Levinton, State University of New York, Stony Brook
- Links to other aquatic science career web pages - Scripps Institution of Oceanography
- Careers in Marine Biology: Outlooks - Southwest Fisheries Science Center, MNPS, NOAA
- College Programs in Marine Biology - from Jeff Levinton's Marine Biology pages
- Virtual “Interview” of a Marine Biologist, Jeff Levinton
- National Association of Marine Laboratories (NAML) - for links to marine lab web pages
- Careers, Jobs, Internships - MATE, Marine Advanced Technology Center
- FAQs about Aquarium Science Program - Oregon Coast Community College