Update on NOAA Opportunities for Undergraduate and Graduate Students

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Purpose

- To inform NMFS of new and growing opportunities for student internships at NOAA
- To ask NMFS for help to identify mentors and internship opportunities, particularly at the graduate level
New NSF-NOAA agreement allows NSF Graduate Research Fellows to conduct internships at NOAA

- 6,500 active Graduate Research Fellows, including 1000 in NOAA mission fields
- Most awards to 1st and 2nd year graduate students
- Fellows have 3 years of support at $34000/year. NSF also provides $5k for travel or research costs for internships
- 27 universities have 10 or more Fellows in NOAA-related fields, including UCSD and UW
### NSF Graduate Research Interns

<table>
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<tr>
<th>Internships can be 10 weeks to 12 months in duration</th>
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<td>Applicants apply through NSF FastLane and NSF conducts first round of reviews</td>
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<th>Next Application Date for Fellows: <strong>June 6, 2015</strong></th>
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<td>Target for NMFS opportunities: <strong>March 31, 2015</strong></td>
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<td>Projected start data: <strong>Fall or Winter 2015-2016</strong></td>
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EPP Student Programs

- 4 Cooperative Science Centers (CSCs). NMFS works most closely with the Living Marine Resources CSC, based at UMES
  - Partners include Delaware State, Hampton University, Savannah State, Oregon State University, University of Maryland Center for Environmental Science Institute of Marine and Environmental Technology and University of Miami Rosenstiel School

- Undergraduate Scholarship Program
  - Must be at MSI to apply
  - 2 years academic tuition, mentoring and two paid summer internships

- Graduate Sciences Programs (sunsetting)
  - NOAA-related research and training opportunities for students
  - GSPs transitioned noncompetitively into NOAA Workforce
  - Replaced by Pathways Program and Graduate Research and Training Scholars
Graduate Research and Training Scholars

- CSCs nominate MS and PhD students for research at NOAA
- Recipients must have an identified NOAA project and mentor

PhD student Marisa Litz will conduct her research at the Hatfield Marine Science Center (HMSC), working with NOAA senior scientist Dr. Richard Brodeur of the Northwest Fisheries Science Center's Estuarine and Ocean Ecology Program.
LMRCSC Students

- Jeanette Davis, Knauss Fellow class of 2015
- Emily Tewes, Knauss Fellow class of 2014
- Juan Alvarez-Rosario, NSF Graduate Research Fellow, 2014
Ernest F. Hollings Undergraduate Scholarship

- Two year undergraduate scholarship for rising juniors in NOAA mission fields
- Funded as 0.1 of 1% of total NOAA appropriation, so numbers are growing
- 10 week summer internship at NOAA
- Over 1,100 students completed program since 2005
- Program evaluation will look at student outcomes
Undergraduate Internships in NMFS

NMFS Hollings & EPP Undergraduate Interns by Lab

- AFSC
- Alaska Regional Office
- Greater Atlantic Regional Office
- NEFSC
- NMFS HQ
- NWFSC
- PIFSC
- SEFSC
- SWFSC
- West Coast Field Office
- Washington State Habitat Office

2013
2014
2015
How can the NMFS help?

- Identify mentors for undergraduate and graduate programs
- Encourage mentors to submit opportunities through SSIO Online System
Add 2015 Internship Opportunity

Internship Opportunity Form

Project Title:

NOAA Mission Goal: [selection]

Hypothesis/Objectives: (Please be specific)

Academic Status: [selection]

Select area(s) of discipline: [list of options]

Intership Location: [city] [state]

Intern Duties/Responsibilities: List specific tasks and procedures the student will perform that are associated with the project.

Identify Special Skills or Training Required: (The objective is for the student to learn skills, techniques, and experience hands-on research or educational activities applicable to a career in environmental science.)

Expected Outcomes: (benefit to student)

For More Information

- **NOAA-NSF GRIP:**
  http://www.education.noaa.gov/Special_Topics/NSF_GRIP_NOAA_Opportunities.php

- **Student Scholarship Internship Opportunities (SSIO):**
  https://oedwebapps.iso.noaa.gov/ssio/

- **Educational Partnership Program:**
  http://www.epp.noaa.gov/

- **Ernest F. Hollings Scholarships:**
  http://www.oesd.noaa.gov/scholarships/hollings.html#page=timeline