

# 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

# NSF Graduate Research Internship Program (GRIP)



- **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



- Internships can be 10 weeks to 12 months in duration
- Applicants apply through NSF FastLane and NSF conducts first round of reviews
- Next Application Date for Fellows: **June 6, 2015**
- Target for NMFS opportunities: **March 31, 2015**
- Projected start data: **Fall or Winter 1015-2016**

# 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

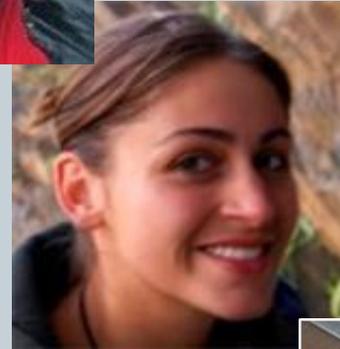
PhD student Marisa Litz will conduct her research at the Hatfield Marine Science Center (HMSC), working with NOAA senior scientist Dr. Richard Brodeur of the Northwest Fisheries Science Center's Estuarine and Ocean Ecology Program .



# LMRCSC Students



- Jeanette Davis, Knauss Fellow class of 2015
- Emily Tewes, Knauss Fellow class of 2014
- Juan Alvarez-Rosario, NSF Graduate Research Fellow, 2014

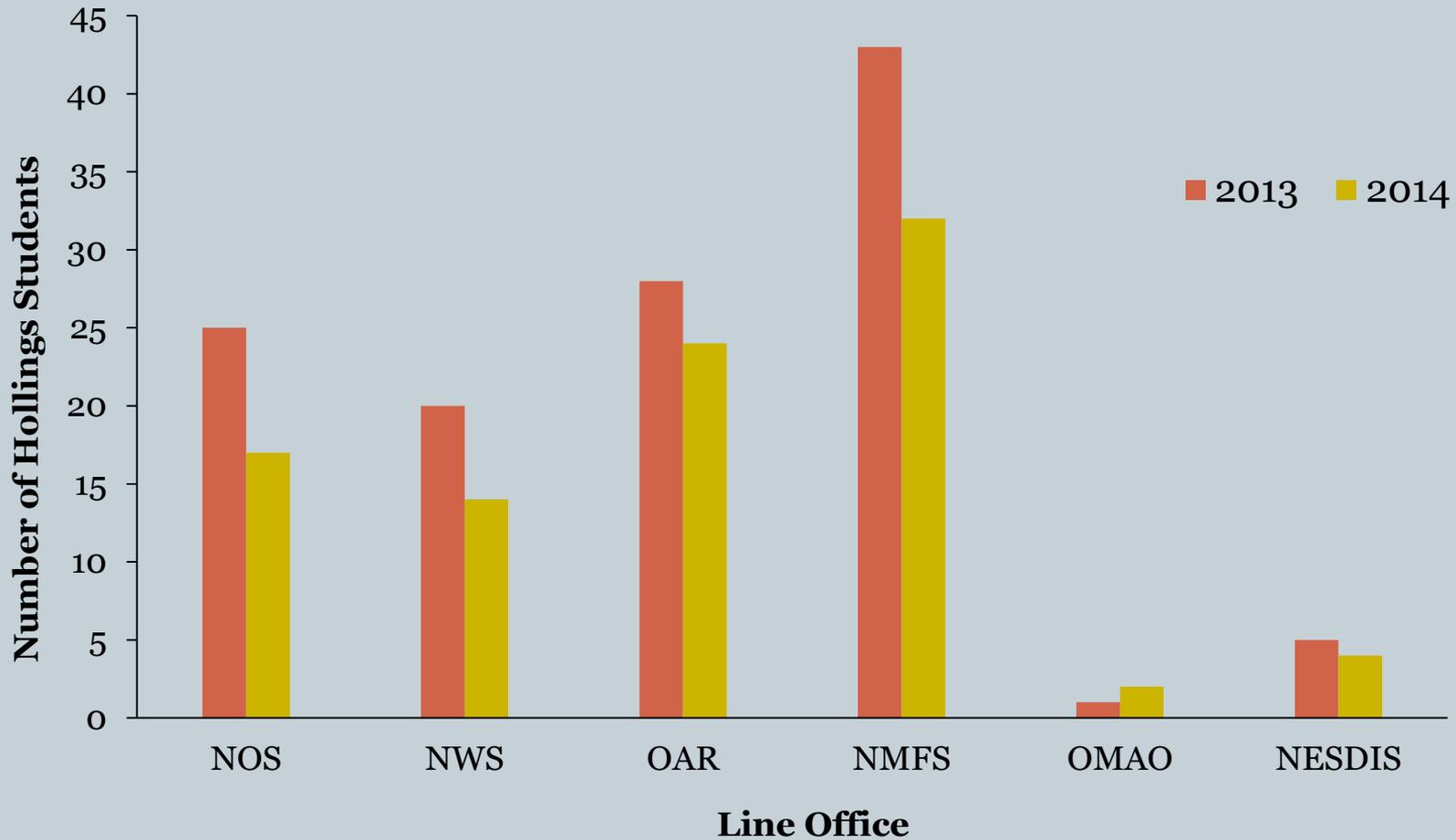


# Ernest F. Hollings Undergraduate Scholarship



- 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

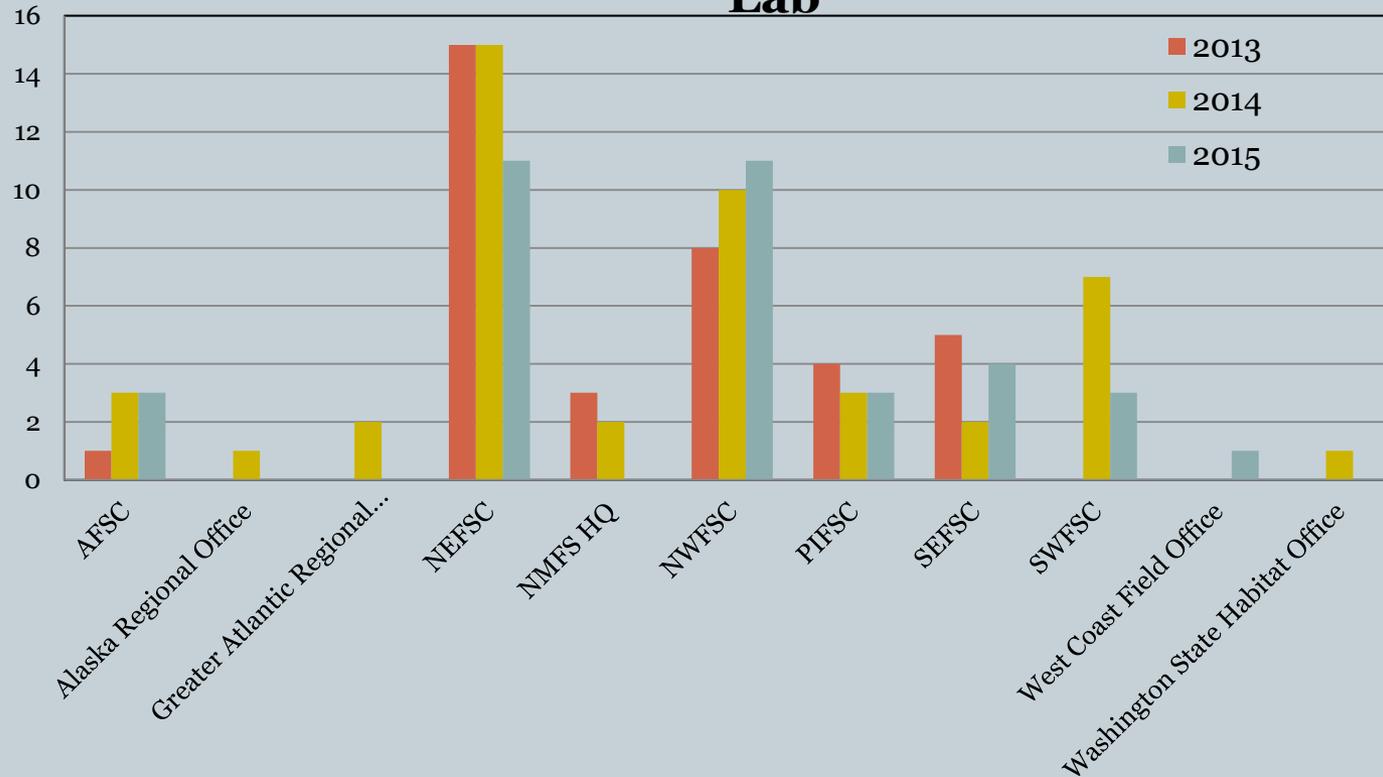
# Undergraduate Internships by Line Office



# Undergraduate Internships in NMFS



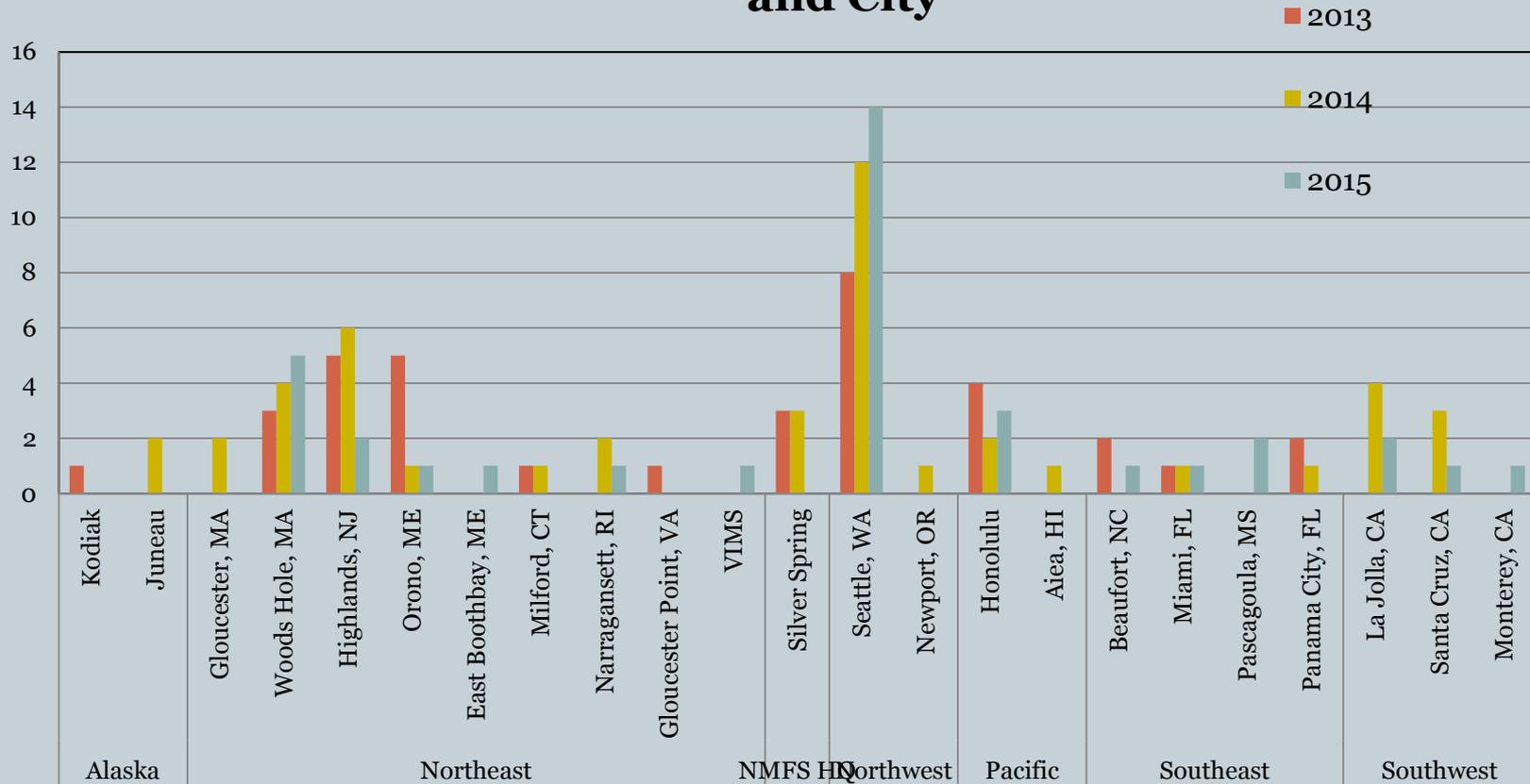
## NMFS Hollings & EPP Undergraduate Interns by Lab



# Undergraduate Internships at NMFS



## NMFS Hollings & EPP Undergraduate Interns by Region and City



# How can the NMFS help?



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

# Student Scholarship Internship Online System (SSIO)



**Add 2015 Internship Opportunity**

Internship Opportunity Form

Project Title:

NOAA Mission Goal:

Hypothesis/Objectives:  
(Please be specific)  
(Max. 5000 characters)

Academic Status:  High School  Undergraduate  Graduate

Select area(s) of discipline:  
Hold down the "Ctrl" key on your keyboard to make more than one selection.

- Agricultural Engineering
- Agricultural Science
- Anthropology And Archeology
- Aquaculture
- Atmospheric Science
- Biochemistry And Biophysics
- Biology
- Botany
- Chemical Engineering
- Chemistry
- Civil Engineering
- Climate Change
- Communication

Internship Location: City  State

Intern Duties/Responsibilities:  
(List specific tasks and procedures the student will perform that are associated with the project)  
(Max. 5000 characters)

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) (Max. 5000 characters)

Expected Outcomes:  
(Benefit to student)  
(Max. 5000 characters)

# For More Information



- **NOAA-NSF GRIP:**

[http://www.education.noaa.gov/Special\\_Topics/NSF\\_GRIP\\_NOAA\\_Opportunities.php](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>