



Item: AS: I-3

**COMMITTEE ON ACADEMIC AND STUDENT AFFAIRS**

**Tuesday, October 15, 2013**

**SUBJECT: RESEARCH TRENDS AND HIGHLIGHTS**

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**PROPOSED COMMITTEE ACTION**

Information only. No action necessary.

**BACKGROUND INFORMATION**

See attached PowerPoint presentation.

**IMPLEMENTATION PLAN/DATE**

N/A

**FISCAL IMPLICATIONS**

N/A

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**Supporting Documentation:**

**Research Trends and Highlights**

**Presented by: Dr. Barry Rosson, VP for Research**

**Phone: 561.297.0268**



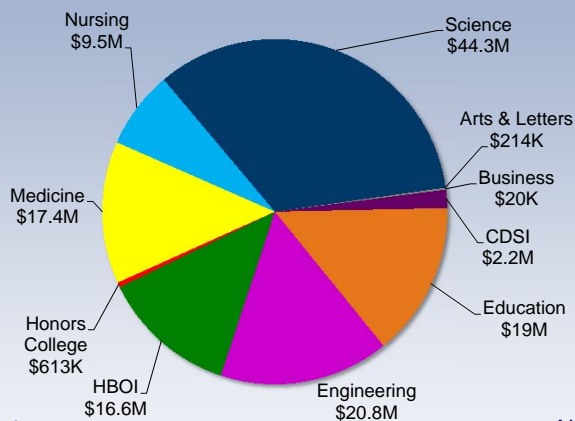
Florida Atlantic University  
Division of Research

Research Trends and Highlights  
October 2013

FLORIDA ATLANTIC UNIVERSITY

Proposal Submissions: 385

July 1, 2012 to June 30, 2013



Total Federal Awards  
FY 12-13 Pending  
\$63.5M

**Total \$137.4 M**

\*Other\* (\$6.5M) not shown

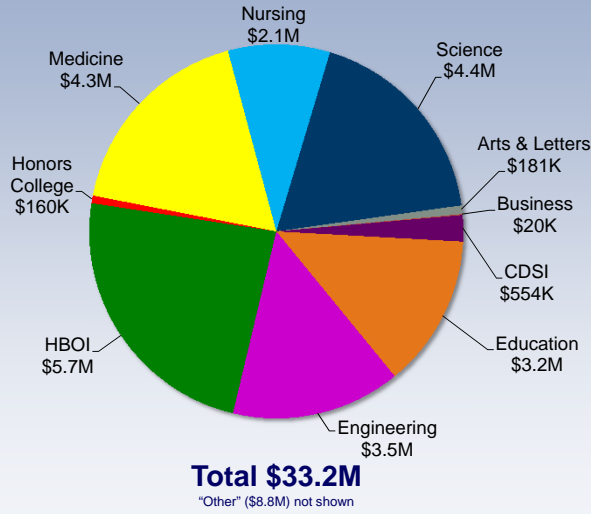
All Awards  
FY 12-13 Pending  
\$70M

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# FLORIDA ATLANTIC UNIVERSITY

Awards Received: 281

July 1, 2012 to June 30, 2013

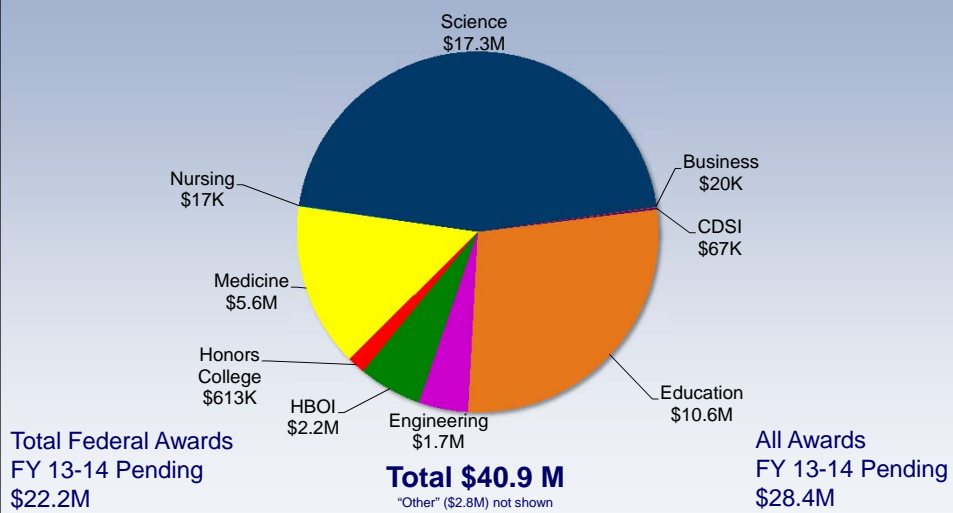


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# FLORIDA ATLANTIC UNIVERSITY

Proposal Submissions: 98

July 1, 2013 to October 4, 2013

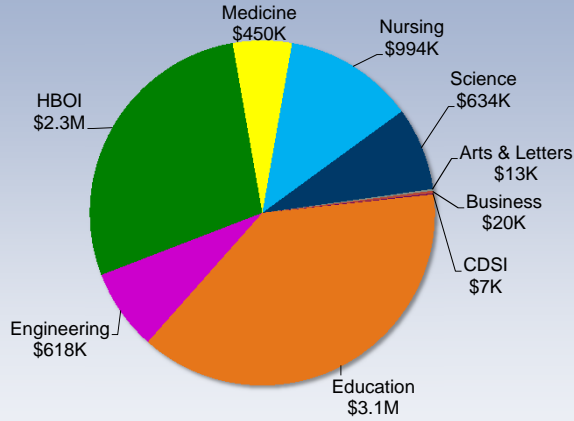


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# FLORIDA ATLANTIC UNIVERSITY

Awards Received: 93

July 1, 2013 to October 4, 2013



**Total \$13.3M**

\*Other\* (\$5.2M) not shown

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## Research Highlights

Major New Awards (July 1, 2013 to October 4, 2013)

Amount	Funding Source	Project	Principal Investigator	College/Department
\$1,008,310	National Oceanic & Atmospheric Administration	Funding for the 5th year of a program that develops advanced underwater technologies, exploration and research of frontier regions of the Eastern Continental Shelf and improved understanding of deep and shallow coral ecosystems.	Shirley Pomponi	HBOI/Ocean Exploration and Deep Sea Research
\$845,892	National Science Foundation	An integrated instructional model for accelerating student achievement in science and literacy in grades 1-2. Increase classroom time spent on science instruction and reading comprehension proficiency.	Nancy Romance	Education/Department of Teaching and Learning
\$725,309	Raytheon Company	Fabricate, assemble and test prototype engineering hardware and demonstrate a unique method of recovering a towed body aboard a surface vessel at sea.	Megan Davis	HBOI/Aquaculture and Stock Enhancement
\$350,000	Health Resources and Services Administration	Increase the number of nurse practitioner graduates to meet the primary care needs of a diverse, aging and underserved population in South Florida.	Karethy Edwards	College of Nursing
\$218,099	National Institutes of Health	Identify marine invertebrate derived natural products that have utility in the development of new treatments for malaria and to purify and define the structures of the active compounds present in the top lead organisms.	Amy Wright	HBOI/Marine Biomedical Research

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## Research Highlights

### Events, Workshops and Roundtables

- Kick-off of Lunch and Learn Series:
  - Dr. Andrew Oleinikov – September 18
  - Dr. Alka Sapat – October 2
  - Dr. Maria Larrondo-Petrie – November 6
  - Dr. Christopher Strain – November 15
  - Dr. Barbara Ridener – November 20
- Write Winning Grant Proposals – October 11
- Sea Level Rise Summit 2013: Resilience in the Face of Change, October 16 – 17

### Sponsorships and Outreach

- Host of BioFlorida's "The Saturday Exchange" – October 5
- Roundtable with Professor Wikus van Niekerk of the Director of the Centre for Renewable and Sustainable Energy Studies at Stellenbosch University – September 23
- MoU signed with Norwegian government-funded entrepreneurs to license two patents from the IP portfolio of recently deceased Dr. William Glenn – September 26

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## Research Highlights

### Research News

- Dr. Mahyar Nouri-Shirazi received NIH Grant for project to optimize current and future vaccines – July 24
- FAU partnered with Eli Lilly and Company on Open Innovation Drug Discovery Program – July 25
- All 10 of FAU's applicants were named Science Communication Fellows by the Miami Science Museum for the NSF/Institute of Museum and Library Services Program – July 30
- FAU's Southeast National Marine Renewable Energy Center received final environmental assessment allowing them to move forward to establish the world's first offshore test site to capture ocean current energy – August 12
- Drs. Donna Chamely-Wiik, Jerome Haky, Deborah Louda, Nancy Romance and Ph.D. Candidate Mari Heghinian presented SQER3: An FAU GK-12 Innovative Model for A Student-Driven, Teacher-Guided Science Demonstration at the Palm Beach County School District 2013 Science Symposium – August 15
- FAU's SeaTech - Institute for Ocean and Systems Engineering receives funding from Department of Energy in support of harnessing ocean energy – October 3
- FAU Neuroscientists Drs. Kelso and Tognoli Received Patent for 5D Visualization Method to Understand Big Data – October 3

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