



Item: AS: I-2

**COMMITTEE ON ACADEMIC AND STUDENT AFFAIRS**

**Thursday, April 10, 2014**

**SUBJECT: RESEARCH UPDATE**

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**PROPOSED COMMITTEE ACTION**

No action required. Information item.

**BACKGROUND INFORMATION**

See attached PowerPoint presentation.

**IMPLEMENTATION PLAN/DATE**

N/A

**FISCAL IMPLICATIONS**

N/A

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**Supporting Documentation:**

**Research Update**

**Presented by: Dr. John Newcomer, Interim VP for Research**

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Florida Atlantic University  
Division of Research

## **Research Trends and Highlights**

**April 10, 2014**

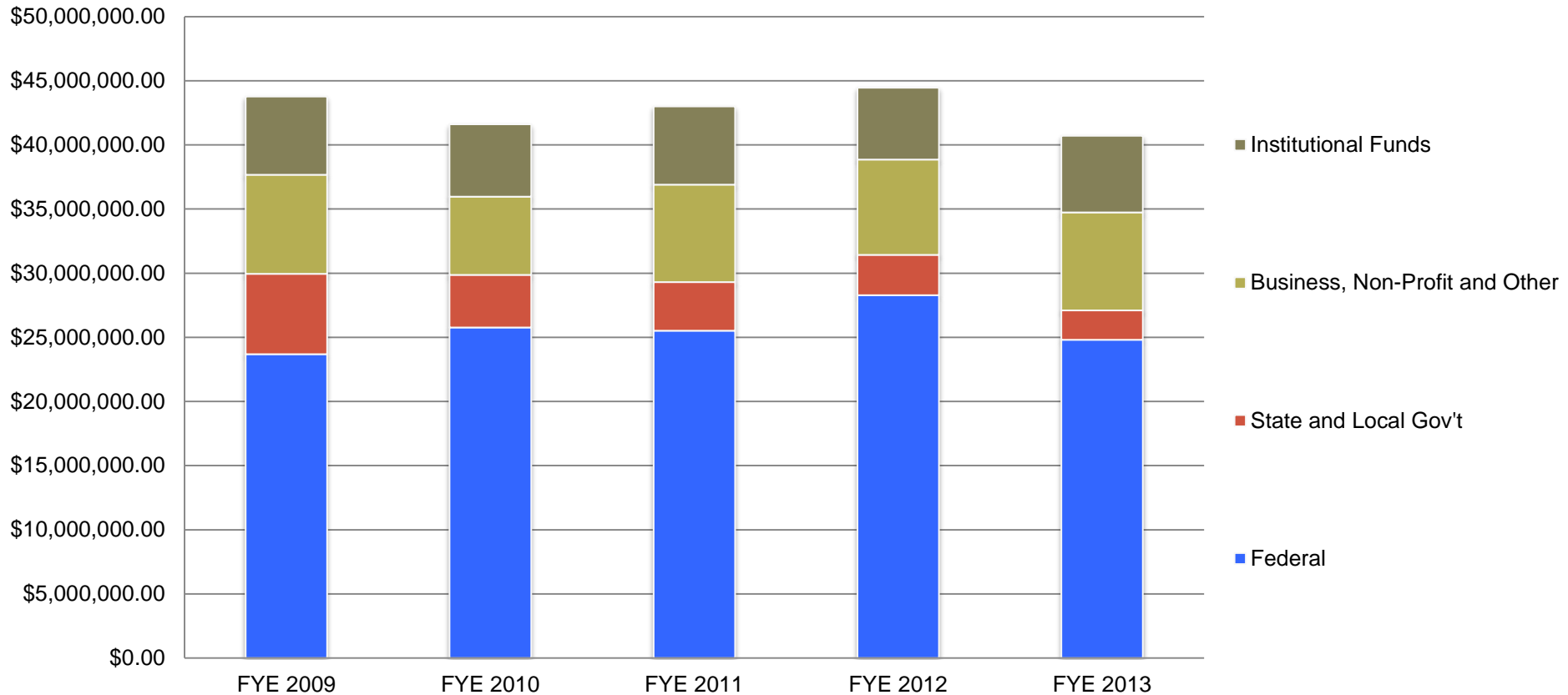
- **FAU designated ‘High Research Activity’ university**
  - **Carnegie Foundation for the Advancement of Teaching**
  
- **Federal and State Sponsors**
  - **National Institutes of Health (NIH)**
  - **US Department of Education**
  - **Office of Naval Research**
  - **National Science Foundation (NSF)**
  - **US Department of Agriculture**
  - **Florida Department of Transportation**
  - **Florida Department of Health**
  
- **New opportunities for sponsored research**
  - **Charles E. Schmidt College of Medicine**
  - **Southeast National Marine Renewable Energy Center**

## Research Highlights – Major Awards

Amount	Funding Source	Project	Principal Investigator	College/Department
\$3,517,044	Florida Board of Governors	CAPTURE Project – Computer Accelerated Pipeline to Unlock Regional Excellence. FAU, Palm Beach State College, Broward College partner to increase degrees.	Ali Zilouchian	Engineering & CS
\$1,533,365	National Institutes of Health	Study to prevent age-related cataracts, leading cause of visual impairment.	Marc Kantorow	College of Medicine
\$6,601,224	National Oceanic and Atmospheric Administration	Program to develop advanced underwater technologies, and improved understanding of deep and shallow coral reef systems	Shirley Pomponi	HBOI / Ocean Exploration and Deep Research
\$2,334,609	National Science Foundation	An Integrated Instructional Model for Accelerating Student Achievement in Science and Literacy in Grades 1-2.	Nancy Romance	Education / Teaching and Learning

**Stable total program expenditures ~ \$40 million**  
**Stable Federal research expenditures ~ \$24 million**

## Research Expenditures



# National Science Foundation Reporting

- **The NSF collects data on research funding**
  - Reporting is **INFORMATIONAL** and **VOLUNTARY**
  - Reporting informs U.S. News and World Report rank (FY16 next)
  
- **Recent NSF change in how total research funding is calculated**
  
- **Universities – including FAU- will therefore report lower numbers.**

## **BUILD Grant Application**

- **Building Infrastructure Leading to Diversity (BUILD)**
  - **NIH Common Fund Initiative from Office of the Director**
  
- **FAU-led Consortium includes:**
  - **FAMU, Scripps CA, Scripps FL, Max Planck, Torrey Pines, VGTI**
  - **103 senior NIH-funded mentors**
  
- **FAU awarded BUILD Planning Grant - Sept 2014**
  
- **\$24,200,000 total costs**

## Summary

- **FAU has maintained stable research awards and expenditures over past five years**
- **New opportunities will increase sponsored research at FAU**