Subject: Research Update

Proposed Committee Action
No action required. Information item.

Background Information
See attached PowerPoint presentation.

Implementation Plan/Date
N/A

Fiscal Implications
N/A

Supporting Documentation: Research Update
Presented by: Dr. John Newcomer, Interim VP for Research
Phone: 561-297-0268
Division of Research

• 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
  • Florida Department of Health
  • National Science Foundation (NSF)
  • US Department of Agriculture
  • Florida Department of Transportation

• New opportunities for sponsored research
  • Charles E. Schmidt College of Medicine
  • Southeast National Marine Renewable Energy Center
## Research Highlights – Major Awards

<table>
<thead>
<tr>
<th>Amount</th>
<th>Funding Source</th>
<th>Project</th>
<th>Principal Investigator</th>
<th>College/Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>$3,517,044</td>
<td>Florida Board of Governors</td>
<td>CAPTURE Project – Computer Accelerated Pipeline to Unlock Regional Excellence. FAU, Palm Beach State College, Broward College partner to increase degrees.</td>
<td>Ali Zilouchian</td>
<td>Engineering &amp; CS</td>
</tr>
<tr>
<td>$1,533,365</td>
<td>National Institutes of Health</td>
<td>Study to prevent age-related cataracts, leading cause of visual impairment.</td>
<td>Marc Kantorow</td>
<td>College of Medicine</td>
</tr>
<tr>
<td>$6,601,224</td>
<td>National Oceanic and Atmospheric Administration</td>
<td>Program to develop advanced underwater technologies, and improved understanding of deep and shallow coral reef systems</td>
<td>Shirley Pomponi</td>
<td>HBOI / Ocean Exploration and Deep Research</td>
</tr>
<tr>
<td>$2,334,609</td>
<td>National Science Foundation</td>
<td>An Integrated Instructional Model for Accelerating Student Achievement in Science and Literacy in Grades 1-2.</td>
<td>Nancy Romance</td>
<td>Education / Teaching and Learning</td>
</tr>
</tbody>
</table>
Stable total program expenditures ~ $40 million
Stable Federal research expenditures ~ $24 million

Research Expenditures

- Institutional Funds
- Business, Non-Profit and Other
- State and Local Gov't
- Federal

Division of Research
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