Research & Innovation Dashboard Update

Emily Sikes, Interim Vice Chancellor for Academic and Student Affairs
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www.flbog.edu
In 2019, System research expenditures were projected to be at $2.68B by 2025.
Raising the Bar on Research

The System will **exceed** the **$3B goal for research** by 2025.
How did the System Improve by $400 Million?

- **Continued support** by Governor DeSantis & the Florida Legislature so that state universities can **recruit & retain** high-quality faculty

- Continued focus by the Board on **elevating research**

- **World-class faculty** winning competitive federal awards

- State universities **working together** to secure research grants
Large 1-Year Research Gains Across the System

<table>
<thead>
<tr>
<th>Institution</th>
<th>1-yr gain</th>
</tr>
</thead>
<tbody>
<tr>
<td>UF</td>
<td>$164 M</td>
</tr>
<tr>
<td>FSU</td>
<td>$58 M</td>
</tr>
<tr>
<td>USF</td>
<td>$56 M</td>
</tr>
<tr>
<td>FIU</td>
<td>$35 M</td>
</tr>
<tr>
<td>UCF</td>
<td>$32 M</td>
</tr>
<tr>
<td>FAU</td>
<td>$16 M</td>
</tr>
<tr>
<td>FAMU</td>
<td>$15 M</td>
</tr>
<tr>
<td>FGCU</td>
<td>$15 M</td>
</tr>
<tr>
<td>UNF</td>
<td>$7 M</td>
</tr>
<tr>
<td>UWF</td>
<td>$1 M</td>
</tr>
<tr>
<td>Poly</td>
<td>$0.7 M</td>
</tr>
</tbody>
</table>

$404 M Gain in Research Expenditures for the System in 1-year
University Faculty Securing Competitive Federal Research Awards

SUS Federal Research Expenditures in billions


39% increase over the last 5 years
Working Together to Secure Research Funding

Research Collaborations Across the System Have Increased 77%

120 → 213
2019 → 2023

Better Together.
Together, WE ARE #1.
# Top Ten Public Higher Education Systems for Research Expenditures

<table>
<thead>
<tr>
<th>State</th>
<th>Expenditure (B$)</th>
</tr>
</thead>
<tbody>
<tr>
<td>California</td>
<td>8.56</td>
</tr>
<tr>
<td>Texas</td>
<td>6.24</td>
</tr>
<tr>
<td>Michigan</td>
<td>2.98</td>
</tr>
<tr>
<td>Pennsylvania</td>
<td>2.60</td>
</tr>
<tr>
<td>Florida</td>
<td>2.53</td>
</tr>
<tr>
<td>Ohio</td>
<td>2.39</td>
</tr>
<tr>
<td>North Carolina</td>
<td>2.20</td>
</tr>
<tr>
<td>Georgia</td>
<td>2.19</td>
</tr>
<tr>
<td>Virginia</td>
<td>2.09</td>
</tr>
<tr>
<td>Washington</td>
<td>1.97</td>
</tr>
</tbody>
</table>

**FY 2022**

- Difference = $73.7 M
- Difference = $454.1 M

- Florida is the 5th largest public system in the nation for research expenditures

Research Success in the Last Year

**UCF**

UCF researchers are leading a $35 million NASA mission to explore the moon’s Gruithuisen Domes, which could provide resources that support long-term exploration of the moon and space economy.

**UF**

A treatment for pancreatic cancer to inhibit tumor development and increase patient survival rates.

**FSU**

FSU professor finds potential new tool for early identification of dementia risk.

**USF**

Stroke therapy shoe invented at USF to empower patients and help improve their walking ability.
FGCU’s Water School analyzes how waves caused by storms impact the Shoreline and what can be done to prevent further damage.

FAU researchers develop first-of-its-kind robotic glove that uses artificial intelligence to improve hand dexterity.

Researchers at UWF developed an innovative system for charging batteries that uses soldiers’ movements while walking.
Research Success in the Last Year

FIU

Restoring the Everglades to ensure protection of South Florida’s freshwater ecosystem

UNF

UNF School of Engineering collaborates with Johnson & Johnson MedTech to expand advanced manufacturing

FAMU-FSU

FAMU-FSU researchers use infrastructure and more than seven decades of weather data to determine where tornadoes will be most disruptive
The System ranked 2nd in the world in patents awarded in 2023

Return on Investment

Total Number of Jobs Supported by External Funding
3,656 new jobs created

Economic Impact of State Funding
16% to $1 Billion

Economic Impact of Federal Funding
$660 million
Key Takeaways

- Total expenditures soared to $2.94 B
- Investment in faculty yielding big research gains
- More research collaborations across the System
- Significant improvement in ROI on the state & federal level
- Achieving 2025 Strategic Plan Goals
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Together, WE ARE #1.