OFFICE OF THE PROVOST | DIVISION OF RESEARCH

PAULA MYRICK SHORT
Senior Vice Chancellor for Academic Affairs, UH System
Senior Vice President for Academic Affairs and Provost, UH

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Vice Chancellor for Research and Technology Transfer, UH System
Vice President for Research and Technology Transfer, UH
A Year to Celebrate: Research and Awards

$203M Research Expenditures
32 Major Grants
73 Disclosures
25 Patents

36.5% increase in research income above $1M

3 National Centers
8 NSF CAREER Awards FY21

Overtaking TT in Research Expenditures
A Year to Celebrate: Major Grants

$13.8M Visual Dossiers for Recognizing and Identifying Humans at Altitude and Range (VIDORA)
Ioannis Kakadiaris, Computer Science (FY22)

$7.9M Workforce and Economic Development to Enhance Sustainable Offshore Energy Systems in the Gulf of Mexico
Ramanan Krishnamoorti, UH Energy (FY21)

$3M Biomechanics of Accommodation
Kirill Larin, Biomedical Engineering (FY21)
A Year to Celebrate: Major Achievements

Roberto Tejada
Guggenheim Fellow
(April 2021)

Joy Priest
National Endowment for the Arts Fellowship
(February 2021)

Beau Alward
Beckman Young Investigator Award
(June 2021)
How do we increase scholarly output?

1. Invest in Infrastructure
2. Invest in Critical Areas
3. Increase & Enhance Proposals
How does UH benefit?

- Gives greater visibility from publications, citations and research
- Bolsters reputation and enhances reputational components of our ranking
- Supports UH Strategic Plan, “Together We Rise, Together We Soar,” goal for research preeminence and top 50 public research university
CELEBRATING
FACULTY SUCCESS
Faculty Recognition Categories

- Publications
- National Awards & Books
- Major Awards
- Patents
Year 1–3 Scholars Since 2018

122 National Awards & Recognition

152 High-Impact Publications

175 Major Grants

91 Patents
Scholars Walk

• UH’s first electronic art installation
• Sponsored by the Office of the Provost and Division of Research
• Funding approved, completion by Summer 2022
• Online Scholars Walk launched in Fall 2021
SNAPSHOT
FY 2021 PRODUCTIVITY
**Insights**

**PROPOSALS**
+15.4% Number of Proposals  
+22.3% Amount Requested

**AWARDS**
+24.4% Projected Award Amount  
+36.5% Research Income $1M+

**EXPENDITURES**
+1.3% Total Expenditures – NSF  
+3.1% Total Expenditures from External Sources

**FACULTY**
+3.1% Ranked Faculty with Projects
Total Amount of Funds Awarded in Millions

<table>
<thead>
<tr>
<th>Year</th>
<th>Actual</th>
<th>Goal</th>
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<tbody>
<tr>
<td>FY18</td>
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<td>FY19</td>
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<tr>
<td>FY24</td>
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National Awards

12 in 2019

13 in 2020

National awards for 2021 have not been reported
Total Number of Major Awards

<table>
<thead>
<tr>
<th>Year</th>
<th>FY18</th>
<th>FY19</th>
<th>FY20</th>
<th>FY21</th>
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</table>

Graph showing the total number of major awards from FY18 to FY21.
Total Amount Received Through Major Awards in Millions

<table>
<thead>
<tr>
<th>Year</th>
<th>Amount (in Millions)</th>
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<tbody>
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<tr>
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<tr>
<td>FY20</td>
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<td>FY21</td>
<td>$85</td>
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Research Expenditures (NSF-Reported) in Millions

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<th>FY18</th>
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<th>FY20</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
<th>FY24</th>
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</thead>
<tbody>
<tr>
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<td>$195</td>
<td>$201</td>
<td>$203</td>
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</tr>
</tbody>
</table>

ACTUAL GOAL

$0   $50   $100   $150   $200   $250   $300
Research Expenditures Peer Comparison in Millions: Texas

Latest available data is from 2020
Four-Year Progress

+27.6% Total Amount of Funds Requested

+21.8% Total Amount of Funds Awarded

+14.3% Total Number of Major Awards

+34.9% Total Amount Received Through Major Awards

+6.5% Research Expenditures (Sponsored)Research

+14.7% Expenditures (NSF-Reported)

+15.5% Federal Expenditures
FACULTY SUPPORT MECHANISMS
Engagement Model to Raise UH Profile

- Exceptional Faculty
- Focused Priorities
- Agile Leadership

University of Houston

Husch Blackwell Strategies

- Opportunity Identification
- Advocacy

DC Lobbying Office

McAllister and Quinn

- Proposal Preparation
- Advocacy
- Capacity Building

- 5 Colleges under new contract
- 2 virtual visits to the DOE in Fall 21
- CLASS Proposal Workshop
- Proposal support for 3 centers and 2 individual PIs

Megan Schneider
Town Hall with McAllister & Quinn

Join us for a town hall on federal research priorities presented by McAllister & Quinn.

Register to attend this session at uh.edu/research/calendar.

Friday, April 22
9:00 a.m. – 10:30 a.m.

Student Center South
Multipurpose Room 237 (second floor)
Internal Awards Programs

$6.9M

Faculty Programs

- $2.5M – Lab Renovation
- $1.5M – Equipment Program
- $1M – National Centers Planning Award
- $420K – Seed Research Fund
- $400K – Chancellor’s Technology Bridging Fund
- $300K – Bridge Fund
- $250K – Gear
- $150K – New Faculty
- $140K – Honors College REUs
- $100K – Provost’s Faculty Travel Fund
- $90K – Small Grants
- $50K – Excellence Research and Scholarship