Texas A&M University is a member of the Association of American Universities (AAU) and the Association of Public and Land-Grant Universities (APLU).

Texas A&M research initiative to improve the quality of teaching & students’ academic achievement. Working with over 140,000 students, more than 10,000 educators, & over 500 school districts in Texas (almost 50% of the state).

INITIATIVE IMPACTS TO DATE
15 schools rose to the top 25% of all elementary schools in Texas
19 schools improved in overall rankings 2 years in a row

NATIONAL RANKINGS
(Among all private and public universities)

#3 IN NATIONAL SCIENCE FOUNDATION (NSF) FUNDING (NSF HERD, 2018)

#12 IN DEPARTMENT OF ENERGY FUNDING (NSF HERD, 2018)

#20 BASED ON $922M IN TOTAL FY17 HIGHER EDUCATION RESEARCH & DEVELOPMENT EXPENDITURES (NSF HERD, 2018)

STATE RANKINGS
(Among all private and public universities)

#1 BASED ON $922M IN TOTAL FY18 HIGHER EDUCATION RESEARCH & DEVELOPMENT EXPENDITURES (NSF HERD, 2018)

Conducted over 100 UAV flights during Hurricane Harvey and received NSF funding to enhance robotic response & recovery during disaster events.

NIH and NSF-funded researchers found potential solution to fight C. DIFFICILE, the #1 hospital-acquired infection and related cause of death.
TEXAS A&M UNIVERSITY FEDERAL RESEARCH EXPENDITURES

Federal sponsors as a total of federal research expenditures* (FY18)

- Dept. of Health and Human Services (Includes NIH): $71.0M (21.3%)
- National Aeronautics and Space Administration: $7.4M (2.2%)
- Other (includes NOAA, NIST, DHS, USAID): $54.4M (16.3%)
- Dept. of Energy: $29.1M (8.7%)
- Dept. of Defense: $25.2M (7.6%)
- Dept. of Agriculture: $31.6M (9.5%)
- National Science Foundation: $114.6M (34.4%)

TOTAL $333M

*National Science Foundation Higher Education Research and Development Survey (NSF HERD)

RECENT EXAMPLES OF FEDERAL RESEARCH AWARDS

- International Ocean Discovery Program
  National Science Foundation ($337.1M)
- Texas A&M Center for Innovation in Advanced Development and Manufacturing
  Biomedical Advanced Research & Development Authority
  U.S. Department of Health & Human Services ($176.6M)
- Cyclotron Based Nuclear Science
  U.S. Department of Energy ($43.7M)
- Global Hunger and Food Security Research Strategy: Program
  Area 4, Small Scale Irrigation Technologies & Ag Water Mgmt
  U.S. Agency for International Development ($24.8M)

- Engineering Research Ctr for Precise Advanced Technologies and Health Systems for Underserved Populations (PATHS-UP)
  National Science Foundation ($20.1M)
- Center for Research Excellence on Dynamically Deformed Solids (CREDDS)
  U.S. Department of Energy ($12.5M)
- Structure-Based Discovery of Critical Vulnerabilities of Mycobacteria
  National Institutes of Health ($12.2M)
- Literacy-Infused Science Using Tech Innovation Opportunity
  U.S. Department of Education ($12.0M)

TEXAS’ INVESTMENT IN A&M RESEARCH

<table>
<thead>
<tr>
<th>Source</th>
<th>Total</th>
<th>Percentage</th>
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</thead>
<tbody>
<tr>
<td>Federal</td>
<td>$333.7M</td>
<td>36.2%</td>
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<tr>
<td>Inst. Funds</td>
<td>$275.3M</td>
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<tr>
<td>State &amp; Local</td>
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<tr>
<td>Nonprofit</td>
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<td>Business</td>
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<tr>
<td>All Other</td>
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<tr>
<td>TOTAL*</td>
<td>$922.1M</td>
<td></td>
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</tbody>
</table>

*(Total R&D Expenditures by Source for Texas A&M University, NSF HERD, 2018)

RESEARCH SPOTLIGHT

INTERNATIONAL OCEAN DISCOVERY PROGRAM (IODP)

- Funded by the National Science Foundation
- Texas A&M’s largest federal research grant
- Expeditions have investigated past ocean conditions, monsoon systems, major extinction events, and causes of earthquakes

January 2020