Research is at Our Core

Texas A&M University’s standing today—as one of the largest research universities in the United States—is testament to more than 125 years of visionary planning and strategic investment.

The National Science Foundation’s most recent Higher Education Research and Development Survey ranks Texas A&M at 19th with research and development expenditures of more than $905 million during fiscal year 2017. Texas A&M’s rare triple designation as a land-, sea-, and space-grant institution reflects the broad scope of its research, which includes ongoing projects funded by prominent and diverse agencies such as NASA, the National Institutes of Health, the National Science Foundation, and the Office of Naval Research. As a member of the prestigious Association of American Universities—one of only sixty-two institutions with this distinction—Texas A&M has branch campuses in Galveston, Texas, and Doha, Qatar. The University maintains formal agreements for research collaborations and faculty–student exchanges with more than 117 institutions in forty countries, plus active research programs on all continents.

Innovation at Texas A&M

The Texas A&M Transportation Institute (TTI) has a breadth and depth of programs, facilities and capabilities unsurpassed by any other higher-education-affiliated transportation research organization in the United States. The Institute’s research and development program has resulted in significant breakthroughs across all facets of transportation and resulted in 286 lifetime invention disclosures (since 1992), 227 patents (since 1987) and 22 current license agreements.

Texas A&M Technology Commercialization (since 1992)

- Licensed A&M System technologies to 111 start-up companies.
- Worked with more than 4,300 inventors to review and assess almost 4,100 disclosed technologies and discoveries.
- Successfully negotiated 1,034 licenses and 353 option agreements with 946 companies.
- Obtained 1,432 issued patents.

The Texas A&M Veterinary Medical Diagnostic Laboratory (TVMDL) has been serving the citizens of the state of Texas and the nation with testing, service and support. Today, TVMDL offers over 650 unique tests for almost all species, from livestock and pets, to poultry and exotics.

Cited nationally for “tangible contributions to the public interest,” Texas A&M remains true to its land-grant mission. Texas A&M turns discovery into deeds, develops tools and expertise designed for real-world applications, and delivers products and services that improve the lives of Texans.
Recent Examples of Federal Research Awards

International Ocean Discovery Program
National Science Foundation ($337M)

Texas A&M Center for Innovation in Advanced Development and Manufacturing
Biomedical Advanced Research and Development Authority, U.S. Department of Health and Human Services ($176.6M)

Cyclotron Based Nuclear Science
U.S. Department of Energy ($43.7M)

English Language and Literacy Acquisition Validation Study
U.S. Department of Education ($14.8M)

Small Scale Irrigation Technologies and Agricultural Water Management
U.S. Agency for International Development ($12.3M)

Centers and Institutes

Research centers and institutes play an important role in the academic landscape at Texas A&M, bringing together scholars and scientists—often from different disciplines—to tackle major research challenges. View a complete list of all research centers and institutes at Texas A&M University at research.tamu.edu/centers

Faculty Honors

American Academy of Arts and Sciences
9 members

National Academy of Medicine
4 members

National Academy of Engineering
23 members

National Academy of Sciences
12 members

American Academy of Nursing
4 recipients

American Law Institute
9 recipients

National Medal of Science
1 recipient

Academia Europaea
1 recipient

John Simon Guggenheim Memorial Foundation Fellows
13 members

Alexander von Humboldt Research Award
13 recipients

Wolf Prize
3 recipients

E.L. Quarantelli Award
1 recipient

National Institutes of Health Merit Award
4 recipients

University Distinguished Professors
82

Faculty Nobel Prizes

Dudley R. Herschbach
Nobel Prize in Chemistry, 1986

David M. Lee
Nobel Prize in Physics, 1996

Roy Glauber
Nobel Prize in Physics, 2005

The Division of Research created the Research @ Texas A&M website, research.tamu.edu, to showcase stories about the results of research from University-affiliated campuses, colleges, division, units, and agencies that demonstrate research advances, impacts, and successes. The website also serves as a venue for highlighting research priorities and for showcasing, where possible, the University’s research capabilities.