U.S. National Science Foundation

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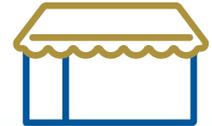
FAST FACTS

$510,362,000
Total NSF Awards to Texas

$356,512,000
Invested in Fundamental Research in Texas

$83,734,000
Invested in STEM Education in Texas

$11,260,000
Invested in Texas Businesses

TOP NSF-FUNDED ACADEMIC INSTITUTIONS

University of Texas at Austin
$159,706,000

William Marsh Rice University
$49,154,000

Texas A&M University
$32,363,000

NSF BY THE NUMBERS

The U.S. National Science Foundation (NSF) is an independent federal agency created by Congress in 1950 to promote the progress of science; to advance the national health, prosperity, and welfare; and to secure the national defense. To fulfill this vital role, NSF supports basic research and researchers who create knowledge that transforms the future.

DID YOU KNOW?
NSF has funded the work of **268** Nobel Prize winners over 75 years.

$9.06B
FY 2024 Total Enacted

92%
Funds research, education and related activities

11K
Awards

1.9K
Institutions

358K
People

"Data represents FY 2024 Actuals unless otherwise indicated"

www.nsf.gov

INNOVATION | *Generating new knowledge that provides a greater understanding of the world around us*

Advances in telescopes and computing technology have rapidly increased the amount and complexity of astronomical information, creating fresh barriers to access and explore the data. The NSF-Simons AI Institute for Cosmic Origins (CosmicAI) at the **University of Texas at Austin** is pursuing transformative AI advances to make this data more accessible to researchers, students and the general public. In preparation for the prodigious data production of the next-generation observing facilities, CosmicAI advances AI techniques for the analysis of large-scale, high-dimensional data in order to optimize the processing, delivery and analysis of astronomical observations. The Institute, which is jointly funded by NSF and The Simons Foundation, is also developing an extensive, multi-tiered AI educational program, as well as launching an AI data platform which hosts data and support AI analysis tasks, to advance participation by the full astronomical community.

EXPANDING FRONTIERS | *Generating institutional capacity, new technologies and societal impact*

With awards supported by the NSF Office of the Chief of Research Security, Strategy & Policy, NSF has established the SECURE (Safeguarding the Entire Community of the U.S. Research Ecosystem) Program to address foreign threats to the security and integrity of the U.S. research enterprise. The SECURE-Analytics award, headquartered at **Texas A&M University**, supports the analytics needs of the broader research community and works in close coordination with the other SECURE program awardee, the SECURE-Center at the University of Washington. The SECURE-Analytics team serves as a clearinghouse for information to help the research community understand the context of their research and identify improper efforts by foreign entities related to research results, knowhow, materials and intellectual property. The team also shares information concerning security threats and lessons learned from protection and response efforts; develops tools and technologies for standardized information gathering and data compilation, storage and analysis; and provides training and support for research faculty and staff. In combination, the SECURE program awards are expected to reduce the theft or inappropriate use of domestic intellectual property and build the capacity of the research community to make risk-informed decisions.

EDUCATION AND WORKFORCE | *Supporting our STEM talent of today and tomorrow*

The InnovATE BIO National Biotechnology Center at **Austin Community College**, funded through the NSF Advanced Technological Education program, focuses on educating the skilled technical workforce needed by the biotechnology and biomanufacturing industries. The three goals of the Center are to 1) sustain, grow, and empower the community of biotechnology educators; 2) support community and technical college faculty in educating the skilled biotechnology workforce; and 3) enable community and technical colleges and state partnerships to shape the future of biotechnology workforce education. The Center currently networks and collaborates with 117 two-year institutions, 10 four-year colleges or universities and 107 high school affiliates, with more programs expected to be added during the next few years. Activities include conducting webinars and convenings, developing models for scalable and sustainable faculty professional development and training the next generation of leaders in biotechnology and biomanufacturing.

ON THE CUTTING EDGE

NSF is pushing the boundaries of what is possible in today's most important technology areas, including artificial intelligence, quantum information science, and biotechnology. The Foundation also maintains industry-leading, state-of-the-art facilities around the world.

NCSES

The National Center for Science and Engineering Statistics (NCSES) within the U.S. National Science Foundation is the nation's leading provider of statistical data on the U.S. science and engineering enterprise. As a principal federal statistical agency, NCSES conducts nationally representative surveys and publishes objective data and reports on topics related to research and development, the science and engineering workforce, and STEM education. For example, in FY 2024, **Texas** invested **$37,256,000,000** on research and development.

For more information on NSF's impact in your state, please contact NSF Office of Legislative and Public Affairs at congressionalteam@nsf.gov.

LEARN MORE

- **BROUGHT TO YOU BY NSF** – NSF has invested in discoveries, inventions, and innovations that have shaped the modern world, including the internet, 3D printing, American Sign Language, Magnetic Resonance Imaging (MRI), deep sea exploration, Doppler radar and more. For more information on NSF impacts, please visit: nsf.gov/impacts.

- **RESEARCH SECURITY** – NSF is committed to safeguarding the integrity and security of science and engineering while also keeping fundamental research open and collaborative. NSF seeks to address an age of new threats and challenges through close work with our partners in academia, law enforcement, intelligence and other federal agencies. By fostering transparency, disclosure and other practices that reflect the values of research integrity, NSF is helping to lead the way in ensuring taxpayer-funded research remains secure. To learn more, please visit NSF's Research Security website.

- **FOSTERING INNOVATION** – Every year, NSF funds around 400 companies across nearly all technology areas to create prototypes and commercialize technologies. Learn more at seedfund.nsf.gov.