

Continued Success for Texas and the U.S. Depends on Funding Basic Science Research

Recommendations to propel America forward:

- **Increase** federal basic research funding **at least 4% per year**, with the goal to raise it to 0.3% of GDP by 2032
- **Increase** the budgets of **agencies that fund Texas research**: NASA by 3%, NIH by 7%, DOE by 15%, and NSF by 3%

Basic research revolutionized our economy with new technologies and industries



Nanotechnology



Genetic Testing



Smartphones



Robotics



Vaccines

Texas benefits from federal investments in basic research



NASA: Employing Texans as leaders in space research



NIH: Developing novel cancer treatments



DOE: Advancing oil and wind power in Texas



NSF: Improving disaster response and agricultural innovation in Texas

Decreased funding despite widespread support

20% Funds Cut

for federal R&D from 2007–2017¹

YET

77% Americans

say government investment in basic research pays off²

AND

60% Max ROI

from basic research funding versus <10% for U.S. stock market³

Sources: 1. American Association for the Advancement of Science (AAAS). "R&D Budget and Policy: Historical Trends in Federal R&D" (AAAS, 2020). 2. Kennedy, B. "Americans broadly favor government funding for medical and science research." Pew Research Center (2018). 3. Press, W.H. *Science* 342(6160):817-822 (2013).

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