

# America's Economy Needs Federally-Funded Basic Research

- Continue **to support** the competitiveness of American businesses by providing a strong foundation of well-funded basic research
- **Increase** the budget of **NIH by 7%**, **NSF by 3%**, **DOE by 15%** and **NASA by 3%**

## Basic research supports creation and growth of many U.S. industries



Health & Medicine



Technology



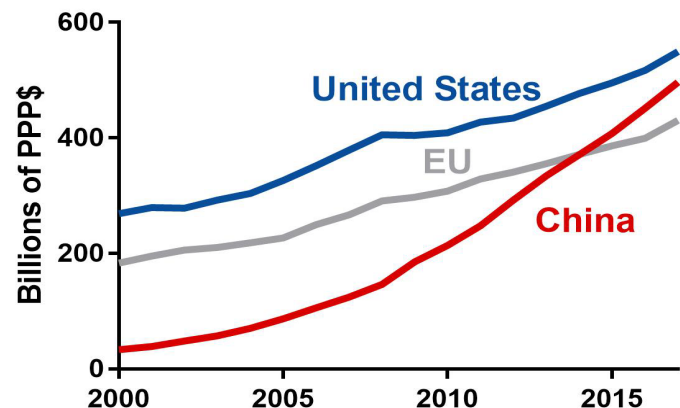
Energy



Manufacturing

## China is rapidly gaining on the United States in R&D spending<sup>1</sup>

The **advantages** that American industries have enjoyed for decades in technological innovation are **fading** as other nations, especially China, are increasing their investments in research and development



## \$68.8 billion

Amount added to the U.S. economy by investment in the NIH in FY2017 alone<sup>2</sup>

## 143% ROI

For every \$1 billion invested into basic research, the public receives \$1.43 billion in returned value<sup>3</sup>

**Sources:** 1. National Science Board (NSB) "Science and Engineering Indicators 2020," (NSF, 2020). 2. Ehrlich, E. "NIH Role in Sustaining the US Economy." United for Medical Research (2018). 3. Toole, A. A. *Research Policy* 41(1):1-12 (2012).

Content presented by students as part of the **Developing Civic Scientist Leaders Program** at Rice University's Baker Institute for Public Policy

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