



U.S. Small Business  
Administration

# Leveraging America's Seed Fund

**Small Business Innovation Research (SBIR)**

**Small Business Technology Transfer (STTR)**

# Why We Work on America's Seed Fund



[www.sbir.gov/showcase](http://www.sbir.gov/showcase)

# Goals

- Meet federal **research and development needs**
- Increase private-sector **commercialization** of innovation derived from federal research and development funding
- Stimulate technological **innovation**
- Foster and encourage **participation** in innovation and entrepreneurship by women and socially/economically disadvantaged individuals
- Foster **technology transfer** through cooperative R&D between small businesses and research institutions (STTR)

## Small Business Innovation Research (SBIR)

- 3.2% of the extramural research budget for agencies with a budget greater than \$100 M per year
  - ~\$3.2 billion minimum spend each year

## Small Business Technology Transfer (STTR)

- 0.45% of the extramural research budget for agencies with a budget greater than \$1B per year
  - ~\$450 million minimum spend each year

Over 5,000 new awards every year

# What does an SBIR/STTR firm look like?

- Company must be for profit, U.S. owned/operated, and under 500 people
- Work must be done in the U.S.
- Focus is on performing R&D – Not purchasing equipment, commercializing a technology that has already been developed, or one that has very low risk and only needs capital

# Three Phase Process



# SBIR & STTR Participating Agencies

Department of Agriculture  
(USDA)

Department of Commerce  
(DoC)  
NIST, NOAA

Department of Defense  
(DoD)

Department of Education  
(ED)

Department of Energy  
(DOE)

Dept of Health and Human  
Services  
(HHS)  
NIH, FDA, CDC, ACL

Department of Homeland  
Security  
(DHS)

Department of  
Transportation  
(DOT)

Environmental Protection  
Agency  
(EPA)

National Aeronautics and  
Space Administration  
(NASA)

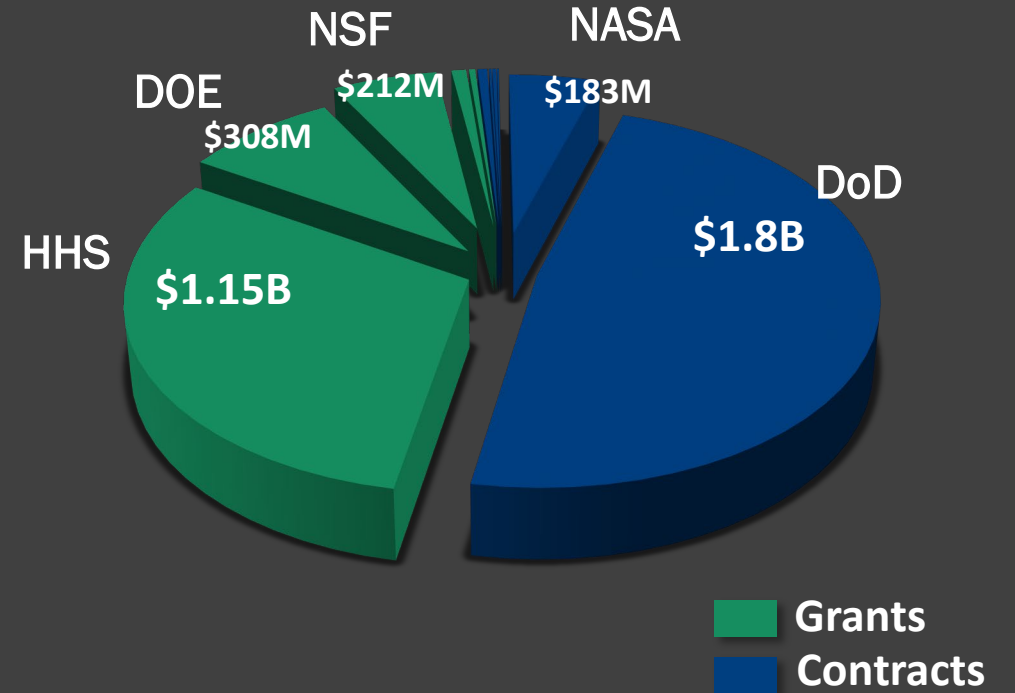
National Science  
Foundation  
(NSF)

# FY2019 SBIR/STTR Budgets by Agency

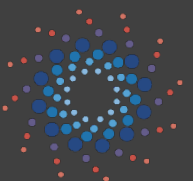
Agencies	Budget
Department of Defense (DoD)*	\$1.80 B
Department of Health and Human Services (HHS)**, including the National Institutes of Health (NIH)	\$1.15 B
Department of Energy (DOE), including Advanced Research Projects Agency – Energy (ARPA-E)	\$308 M
National Science Foundation (NSF)	\$212 M
National Aeronautics and Space Administration (NASA)	\$183 M
U.S. Department of Agriculture (USDA)	\$30 M
Department of Homeland Security (DHS)	\$17 M
Department of Commerce: National Oceanic and Atmospheric Administration (NOAA)	\$9.5 M
Department of Education (ED)	\$8.4 M
Department of Transportation (DOT)	\$5.2 M
Department of Commerce: National Institute of Standards and Technology (NIST)	\$3.9 M
Environmental Protection Agency (EPA)*	\$3.6 M

\* Budgeted Amount; other Agencies Obligated Amount

\*\* Provides grants and contracts



**SBIR: \$3.28 Billion**  
**STTR: \$453 Million**





# Topic Searches

The screenshot shows the SBIR-STTR website's topic search interface. The top navigation bar includes 'About', 'Funding', 'Reports', 'Showcase', 'Announcements', and 'Resources'. The 'Funding' menu item is circled in red. Below the navigation bar, the 'Topic Areas' section is visible, with a search bar containing 'Search Keywords', a 'Search' button, and a 'Reset' button. A red arrow points to the 'Search' button. The search results section displays a note about the accuracy of the data and a search result for 'RFA-HL-19-016: Technologies for Healthy Independent Living for Heart, Lung, Blood and Sleep Disorders (R43- Clinical Trial Not Allowed)'. The search result includes release, open, and close dates, and a brief description of the funding opportunity.

Learn which agencies fund different technology areas!

[www.sbir.gov/sbirsearch/topic/past](http://www.sbir.gov/sbirsearch/topic/past)

# Award Searches

- Identify successful firms
- Identify agency investments in technology areas

The screenshot displays the SBIR-STTR Award Data search interface. At the top, the 'Reports' menu item is circled in red. A red arrow points from the 'Agency' filter section to the search input fields. The interface includes search filters for Agency, Phase, Program, and Year, search input fields for Keywords, Company Name, and Topic Code, and a list of search results.

**SBIR-STTR America's Seed Fund™**  
POWERED BY SBA

Home / Reports

**Award Data** View As: List Chart State Map

**FILTER BY:**

**Agency**

- Department of Agriculture (3411)
- Department of Commerce (1528)
- National Institute of Standards and Technology (358)
- National Oceanic and Atmospheric Administration (164)
- Department of Defense (83694)
  - Air Force (25886)
  - Army (16791)
  - Defense Advanced Research

**Phase**

- Phase I (125072)
- Phase II (51533)

**Program**

- SBIR (162061)
- STTR (14544)

**Year**

Search Keywords Company Name Topic Code Search

Reset

For best search results, use the search terms first and then apply the filters

The Award database is continually updated throughout the year. As a result, data for FY19 is not expected to be complete until June, 2020.

Displaying 1 - 10 of 176605 results Download Awarded Year (descending)

**Integrated Sensors for the Evaluation of Structural Integrity of Inflatable Habitats**  
SBC: Nanosonic Inc. Topic: T6

The objective of the proposed NASA Sequential Phase II STTR program is to continue the development of mechanically flexible piezoresistive sensors for the measurement of long-term creep strain in inflatable habitat webbing. During the Phase I and base Phase II programs, NanoSonic has worked with the Electronic Textiles Laboratory at Virginia Tech to demonstrate the technical feasibility of fa ...

STTR Phase II 2020 National Aeronautics and Space Administration

Person-Centered Planning ToolKit: Development of an Application to Improve Workforce Participation Through Team Collaboration and Customized Employment Discovery Technology

[www.sbir.gov/sbirsearch/award/all](http://www.sbir.gov/sbirsearch/award/all)

# Connecting the Innovation Ecosystem

SBA works with a number of local partners to counsel, mentor, and train small businesses in the innovation ecosystem.

**Find Local Assistance**

**Local resources might be right around the corner**  
The SBA works with a number of local partners to train and support potential SBIR/STTR applicants around the country. Check now to find the help you need, from proposal assistance to SAM registration, commercialization support to industry connections.

Find a local resource near you:

Select a state ...



[www.sbir.gov/local-resources/DC](http://www.sbir.gov/local-resources/DC)

# Online Tutorials

- 55+ courses including:
- Agency overviews
  - Program basics
  - Data rights
  - IP protection

[www.sbir.gov/tutorials](http://www.sbir.gov/tutorials)



The screenshot displays a tutorial page for finding SBIR/STTR topics. The header features a green arrow pointing right with the text "COURSE 4 FINDING TOPICS" and "TUTORIAL 1 HOW DO I FIND THE APPROPRIATE TOPIC?". Below the header is a "Back to Tutorials" button with a left-pointing arrow. The main content area is divided into two columns. The left column contains a "FORMATS" section with three options: "Audio/Video", "Multimedia" (highlighted with a green bar), and "PDF". Below this is a "TOOLS" section with three options: "Glossary", "Links", and "Quiz". At the bottom of the left column is a "Hide Options" button with a left-pointing arrow. The right column contains two paragraphs of text. The first paragraph explains that SBIR/STTR proposals require responding to current topics rather than submitting unsolicited proposals. The second paragraph describes how search engines have made finding topics easier and more productive. At the bottom of the right column is a video player with a play button and a green arrow pointing right, with the text "SBIR/STTR TOPIC SEARCH ENGINES" overlaid on the video frame. The background of the page features a black and white photograph of cherry blossoms in the foreground and the Washington Monument in the distance.



### Entrepreneur

- Confirm eligibility
- Register my company
- Learn how to apply
- Edit company information
- Contact an SBIR Agency



### Support Organization

- See awards in your area
- View training opportunities
- Submit an event



### Federal Agency

- Procure cutting edge technology
- Share a success story
- Request an agency login
- Access Phase III information



Are you looking for SBIR/STTR funding?

[Find Opportunities](#)

# Stay In Touch



[@SBIRgov](#)  
[#seedthefuture](#)

[www.sbir.gov](http://www.sbir.gov)

[technology@sba.gov](mailto:technology@sba.gov)