



SBIR/STTR Programs: Seeding America's Innovations

Small Business Innovation Research &
Small Business Technology Transfer
(SBIR/STTR)

www.sbir.gov

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Mission of the SBIR and STTR Programs

“ To support scientific excellence and technological innovation through the investment of Federal research funds in critical American priorities to build a strong national economy... one small business at a time ”

Small Business Innovation Research (SBIR)

- Set-aside program for small business to engage in Federal R&D with potential for commercialization
- 3.2% of the extramural research budget for agencies with a budget greater than \$100M per year

\$2.2 billion set-aside each year

Small Business Technology Transfer (STTR)

- Parallel set-aside program to facilitate cooperative R&D between small businesses and U.S. research institutions – with potential for commercialization
- 0.45% of the extramural research budget for agencies with a budget greater than \$1 B per year

\$290 million set-aside each year



Program 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 socially and economically disadvantaged persons
- Foster **technology transfer** through cooperative R&D between small businesses and research institutions (STTR)

Why We Work on America's Seed Fund

www.sbir.gov/news/testimonials



23andMe



MedImmune

iRobot

sonicare



labs



Symantec

QUALCOMM

**MADE
IN SPACE**

Front row seat to the future...

SBIR/STTR is a Gated Process w/ Three Phases

Phase I

Concept Development
6 months – 1 year
~ \$150,000

Phase II

Prototype Development
24 months
~ \$1,000,000

Phase III

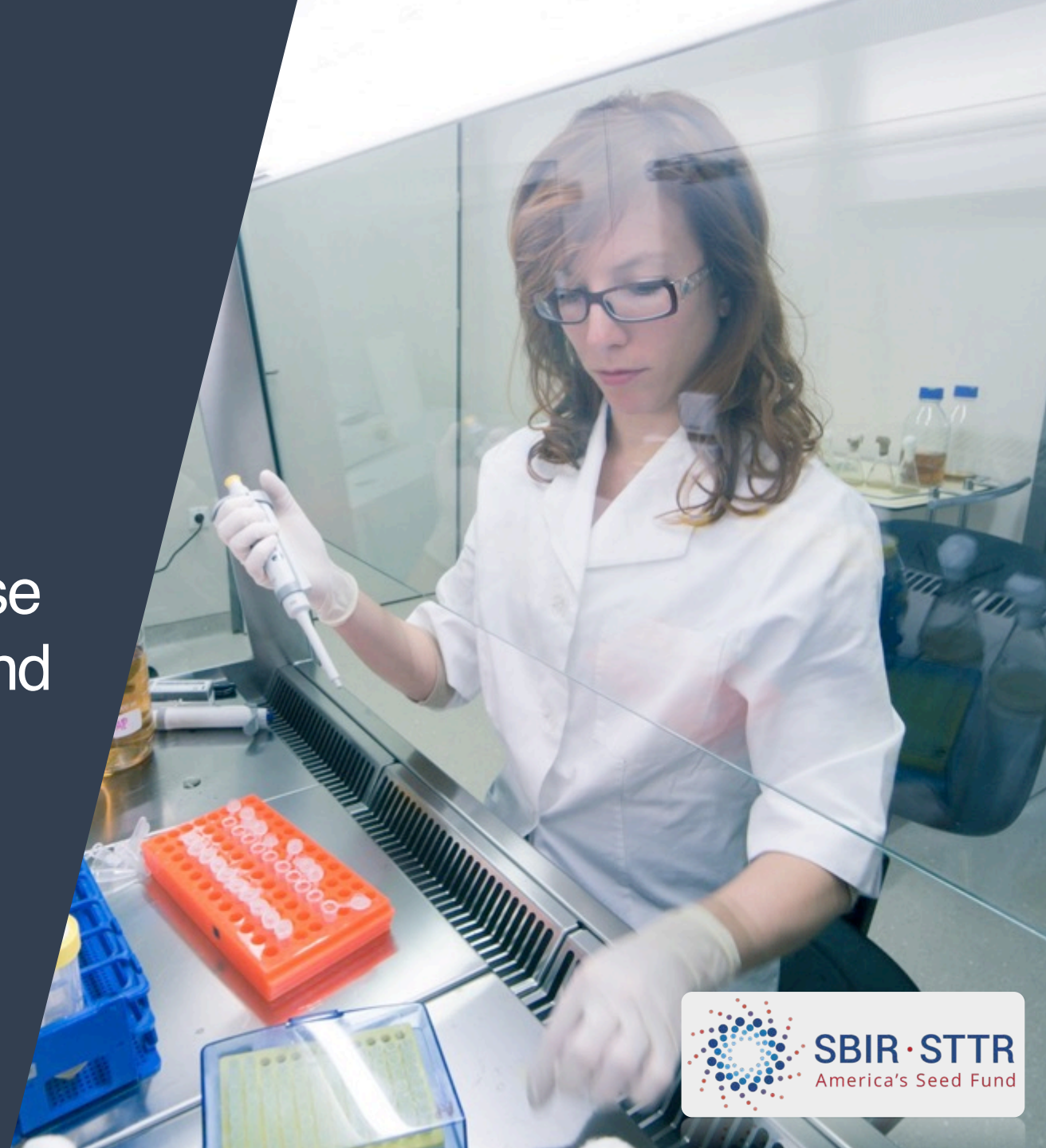
Commercialization
No SBIR funding

Who Qualifies as a Small Business?

- Organized as for-profit U.S. business
- 500 or fewer employees including affiliates
- Work must be done in the U.S.
- Greater than 50% U.S.-owned by individuals and independently operated

Principal Investigator (PI)

- Must be employed by the SBC (SBIR/STTR) or partnering research institution (STTR) at **time of award**
- Should have appropriate expertise to oversee project scientifically and technically
- Is **not** required to have a Ph.D./M.D.



Differences Between SBIR and STTR

	SBIR	STTR
Partnering Requirement	Permits partnering	Requires a non-profit research institution partner

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Program Size	3.2% (FY15 - \$2.25B)	0.45% (FY15 - \$296M)

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Participating Agencies	11 agencies (extramural R&D budget > \$100M)	5 agencies (extramural R&D budget > \$1B)

The small business is ALWAYS the applicant and awardee!

Agencies that Participate in SBIR & STTR

Department of
Agriculture
(USDA)

Department of
Commerce
(DoC)
NIST, NOAA

Department of
Defense
(DoD)

Department of
Education
(ED)

Department of
Energy
(DOE)

Department of
Health and Human
Services
(HHS)

Department of
Homeland Security
(DHS)

Department of
Transportation
(DOT)

Environmental
Protection Agency
(EPA)

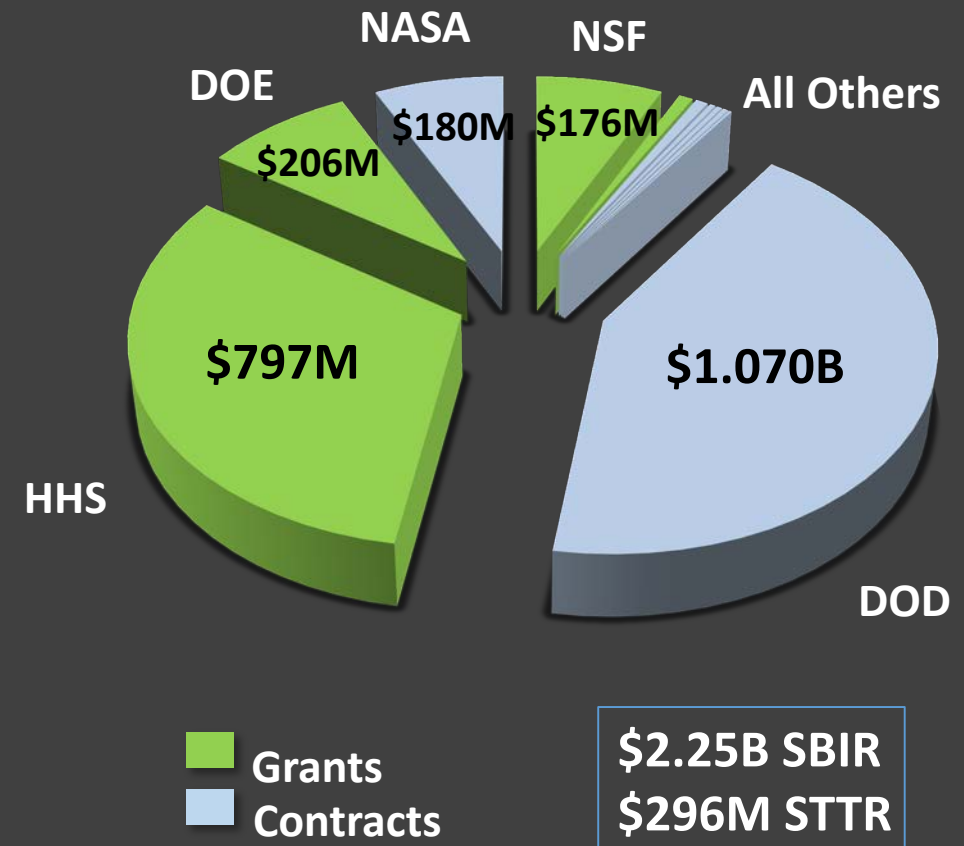
National
Aeronautics and
Space
Administration
(NASA)

National Science
Foundation
(NSF)

SBIR/STTR Budget by Agency, FY2015

Agencies with SBIR/STTR Programs	Budget
Department of Defense (DOD)	\$ 1.070 B
Department of Health and Human Services (HHS), including the National Institutes of Health (NIH)*	\$797.0 M
Department of Energy (DOE), including Advanced Research Projects Agency – Energy (ARPA-E)	\$206.1M
National Aeronautics and Space Administration (NASA)	\$ 180.1 M
National Science Foundation (NSF)	\$176.0 M
Agencies with SBIR Programs	Budget
U.S. Department of Agriculture (USDA)	\$20.3M
Department of Homeland Security (DHS): Science and Technology Directorate (S&T) and Domestic Nuclear Detection Office (DNDO)	\$17.7 M
Department of Commerce*: National Oceanic and Atmospheric Administration (NOAA) and National Institute of Standards and Technology (NIST)	\$8.4M
Department of Transportation (DOT)	\$7.9 M
Department of Education (ED)	\$7.5 M
Environmental Protection Agency (EPA)	\$4.2 M

* Provides grants and contracts



Typical Application Process



Required Registrations Vary by Agency

	NASA	HHS	NSF	DOE	DOD
DUNS	X	X	X	X	X
SAM.gov	X	X	X	X	X
Company Registry (SBIR.gov)	X	X	X	X	X
Grants.gov		X		X	
eRA Commons		X			
Electronic Handbook (EHB)	X				
NSF FastLane			X		
Portfolio Analysis and Management System (PAMS)				X	
fedconnect.net				X	
Funding Accountability and Transparency Act Sub-award Reporting System				X	
DoD Submission Website					X

www.sbir.gov



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- Commercialization Successes
- FAQs
- Performance Benchmarks
- Participating Agencies
- How to Apply
- Report Fraud, Waste & Abuse













I'M A(AN)...

- Applicant
- Awardee
- Investor
- Large Business
- Agency Representative



I WANT TO...

-  START A SMALL BUSINESS
-  REGISTER MY COMPANY
-  UPDATE MY COMPANY PROFILE/COMMERCIALIZATION
-  SUBSCRIBE TO SOLICITATION POSTINGS
-  CONTACT AN SBIR AGENCY
-  SUBMIT AN SBIR/STTR RELATED EVENT
-  FILE FOR IP PROTECTION
-  LEARN MORE ABOUT GLOBAL INNOVATION EXCHANGE
-  VIEW SELF HELP ONLINE TUTORIALS



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NEWS


Jazz Up Your Knowledge of NIH at the Spring 2017 NIH Regional Seminar in New Orleans


SBIR Pulse: 2016 Tibbetts Awards Special Edition (Q&A with EnChroma CEO and



 NASA Small Business
@NASA_OSBP

#NASA #LaRC RFP Environmental Support Services (ESS). Women-Owned #SmallBiz Set-Aside. NAICS 541620. Due 5/1/17. goo.gl/pFkAMP

 SBIR/STTR Program Retweeted

 SBIR/STTR Program
@sbirgov

On April 4th @SBAGov & @Microsoft have teamed up for a webinar on the #SBIR/STTR programs Join us!
content.govdelivery.com/accounts/USSRA...

Where to the Begin? – Topic Searches

HOME LINKS ▾ ABOUT ▾ **FUNDING ▾** AWARDS ▾ NEWS ▾ TUTORIALS ▾ RESOURCES ▾

Home / Topic Search

FUNDING TOPICS

- OPEN
- FUTURE
- CLOSED

FILTER BY:

Agency

- ☐ Department of Agriculture (87)
- ☐ National Institute of Food and Agriculture (22)
- ☐ Department of Commerce (188)
- ☐ National Institute of Standards and Technology (48)
- ☐ National Oceanic and Atmospheric Administration (40)

Phase

- ☐ Phase I (7064)
- ☐ Phase II (596)

Program

- ☐ SBIR (6247)
- ☐ STTR (1473)

Year

Closed Topic Search

Search Keywords **Search**

NOTE: The Solicitations and topics listed on this site are copies from the various SBIR agency solicitations and are not necessarily the latest and most up-to-date. For this reason, you should visit the respective agency SBIR sites to read the official version of the solicitations and download the appropriate forms and rules.

Displaying 1 - 10 of 7720 results

PA-14-157: HHS STTR PA-14-157

Release Date: 03-14-2014 **Open Date:** 07-05-2014 **Due Dates:** Multiple **Close Date:** 04-05-2017

This Funding Opportunity Announcement (FOA) encourages Small Business Technology Transfer (STTR) grant applications from small business concerns (SBCs) that focus on development of technologies in biomedical computing, informatics, and Big Data science. This FOA is coordinated by the NIH Big Data Initiative (BD2K) and the Biomedical Information Science and Technology Initiative (BISTI) committees. ...

STTR Department of Health and Human Services

PA-14-154: HHS SBIR PA-14-154

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SBIR Department of Health and Human Services

- Topic Searches
- Keyword searches –
**Learn which agencies
fund your technology!**

www.sbir.gov/sbirsearch/topic/past



Where to the Begin? – Award Searches

- Keyword Award searches –
 - Identify successful firms
 - Identify agency investments in technology areas

HOME LINKS ▾ ABOUT ▾ FUNDING ▾ **AWARDS ▾** NEWS ▾ TUTORIALS ▾ RESOURCES ▾

Home / Award Information

FILTER BY:

Agency

- ☐ Department of Agriculture (105)
- ☐ National Institute of Food and Agriculture (0)
- ☐ Department of Commerce (47)
- ☐ National Institute of Standards and Technology (8)
- ☐ National Oceanic and Atmospheric Administration (3)

Phase

- ☐ Phase I (9864)
- ☐ Phase II (4651)

Program

- ☐ SBIR (13013)
- ☐ STTR (1502)

Year

- ☐ 2017 (85)
- ☐ 2016 (618)
- ☐ 2015 (975)
- ☐ 2014 (546)
- ☐ 2013 (318)
- ☐ 2012 (349)
- ☐ 2011 (333)

Awards Information View As: ☐ List ☐ Chart ☐ Map

Search Keywords Company Name Topic Code **Search** Reset

The Award database is continually updated throughout the year. As a result, data for the given year is not complete until April of the following year. Annual Reports data is a snapshot of agency reported information for that year and hence might look different from the live data in the Awards Information charts.

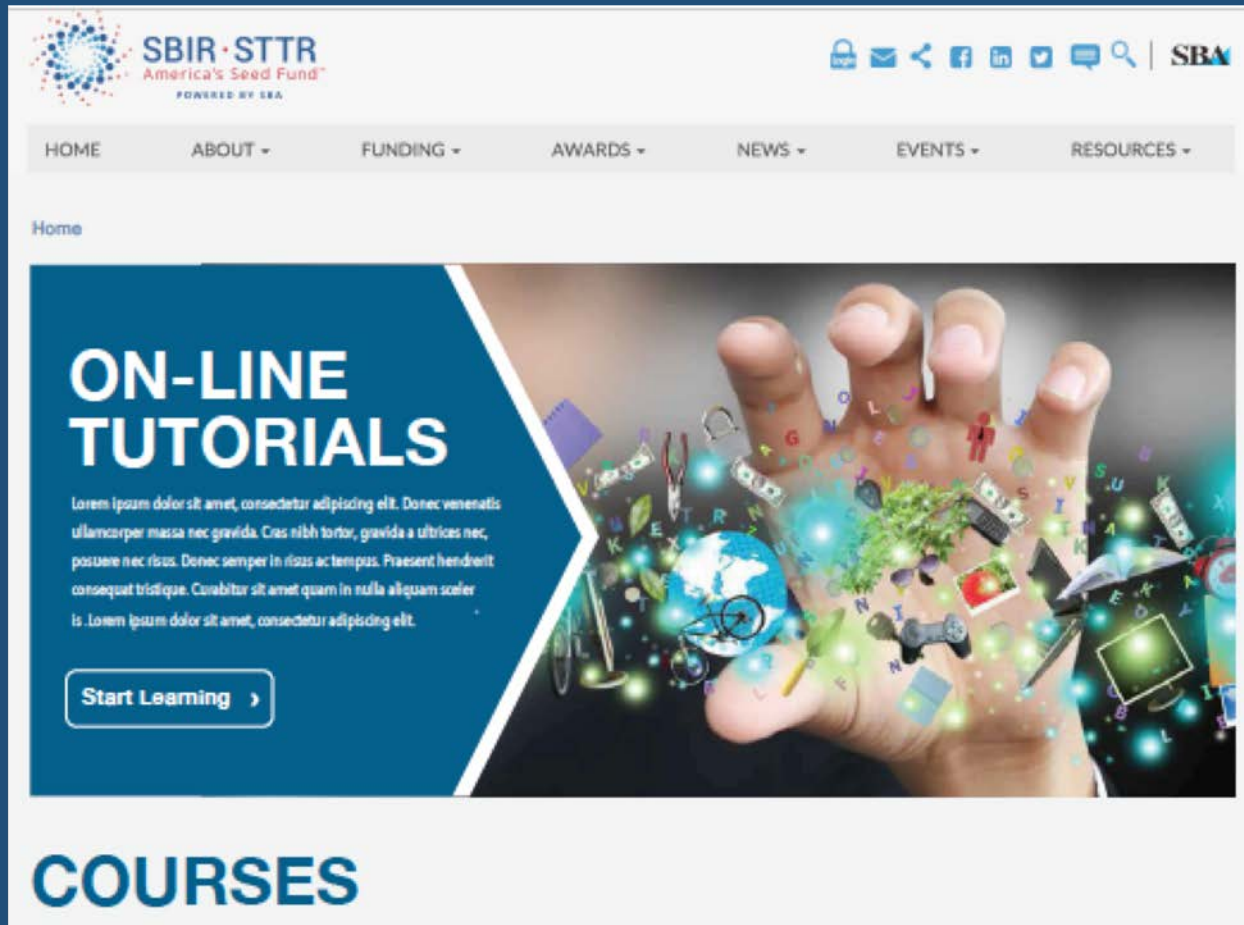
Displaying 1 - 10 of 14515 results **Download ▾** **Awarded Year (descending) ▾**

Metal Digital Direct Manufacturing (MDDM) for Close-Out of Combustion Chambers and Nozzle Fabrications
SBC: Keystone Synergistic Enterprises, Inc. Topic: T12.04
This NASA sponsored STTR project will investigate methods for close-out of large, liquid rocket engine, nickel or stainless steel nozzle, coolant channels utilizing robotic laser and pulsed-arc additive manufacturing (AM) methods. Structural jacket to coolant channel land area interface strength will be quantified and metallurgical characterization completed. Process optimizations will be conducted ...
STTR Phase II 2017 National Aeronautics and Space Administration

Wideband Autonomous Cognitive Radios for Networked Satellites Communications
SBC: Bluecom Systems And Consulting, LLC Topic: T5.01
Wideband Autonomous Cognitive Radios (WACRs) are advanced radios that have the ability to sense state of the RF spectrum and the network and self-optimize its operating mode in response to this sensed state. During the just finished Phase I STTR project, Bluecom Systems was able to develop a comprehensive design for realizing such a WACR and demonstrate the proof-of-concept operation in a hardware ...
STTR Phase II 2017 National Aeronautics and Space Administration

www.sbir.gov/sbirsearch/award/all

On-line Tutorials



- Open to everyone
- For those interested in learning more about SBIR/STTR
- Agency Introductions
- Program Basics
- 11 Modules

www.sbir.gov/tutorials

Connect to Your Network of Local Support

 **Local Assistance** Feedback

SBA.gov » Tools » Local Assistance

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

Enter your zip code or click on the map to connect with your local SBA district office and other resources in your area.

Zip Code Distance State

☐ ☐



- SBA District Office ?
- SBA Regional Office ?
- Disaster Field Office ?
- SCORE Business Mentor ?
- Small Business Development Center ?
- Women's Business Center ?
- U.S. Export Assistance Center ?
- Veteran's Business Outreach Center ?
- Certified Development Company ?
- Procurement Technical Assistance Center ?

- SBA District Offices
- Small Business Development Centers (SBDCs)
- Procurement Technical Assistance Centers (PTACs)
- Women's Business Centers
- SCORE Business Mentors
- Veterans Business Outreach Centers (VBOCs)

www.sba.gov/tools/local-assistance

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