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
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

Phase I
Concept Development
6 months – 1 year
~ $50,000 – 250,000

Phase II
Prototype Development
24 months
~ $500,000 – 1.5M

Phase III
Commercialization
Not SBIR funding
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

<table>
<thead>
<tr>
<th>Agencies</th>
<th>Budget</th>
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<tbody>
<tr>
<td>Department of Defense (DoD)*</td>
<td>$1.80 B</td>
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<tr>
<td>Department of Health and Human Services (HHS)**, including the National Institutes of Health (NIH)</td>
<td>$1.15 B</td>
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<tr>
<td>Department of Energy (DOE), including Advanced Research Projects Agency – Energy (ARPA-E)</td>
<td>$308 M</td>
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<tr>
<td>National Science Foundation (NSF)</td>
<td>$212 M</td>
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<tr>
<td>National Aeronautics and Space Administration (NASA)</td>
<td>$183 M</td>
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<tr>
<td>U.S. Department of Agriculture (USDA)</td>
<td>$30 M</td>
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<tr>
<td>Department of Homeland Security (DHS)</td>
<td>$17 M</td>
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<tr>
<td>Department of Commerce: National Oceanic and Atmospheric Administration (NOAA)</td>
<td>$9.5 M</td>
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<tr>
<td>Department of Education (ED)</td>
<td>$8.4 M</td>
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<tr>
<td>Department of Transportation (DOT)</td>
<td>$5.2 M</td>
</tr>
<tr>
<td>Department of Commerce: National Institute of Standards and Technology (NIST)</td>
<td>$3.9 M</td>
</tr>
<tr>
<td>Environmental Protection Agency (EPA)*</td>
<td>$3.6 M</td>
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* Budgeted Amount; other Agencies Obligated Amount  
** Provides grants and contracts
Learn which agencies fund different technology areas!

www.sbir.gov/sbirsearch/topic/past
Award Searches

→ Identify successful firms
→ Identify agency investments in technology areas

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.

www.sbir.gov/local-resources/DC
Online Tutorials

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

www.sbir.gov/tutorials