



# SBIR/STTR Programs: What University TT Staff Should Know About Accessing Over \$3.6 Billion

AUTM Webinar Series
August 20, 2019 | 12:00pm-1:30pm EDT

The NIH SBIR/STTR Programs

By the National Institutes of Health (NIH), HHS



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

### **Your NIH Presenters**

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# **Learning Objectives**

- An overview of the over \$3.6 billion Federal-wide and over \$1 billion HHS/NIH-wide SBIR and STTR programs.
- How to engage and collaborate with SBIR- and STTR-funded small businesses to leverage these opportunities.





# **Learning Objectives**

 Highlighting the value-added guidance a technology manager could provide his/her Institution and Pls/researchers as to how to tap into this \$3.6 billion set aside and to help facilitate successful university-small business collaborations/opportunities under the SBIR and STTR programs.





# Aren't SBIRs just for small businesses? How much of this funding is available to nonprofit research institutions?

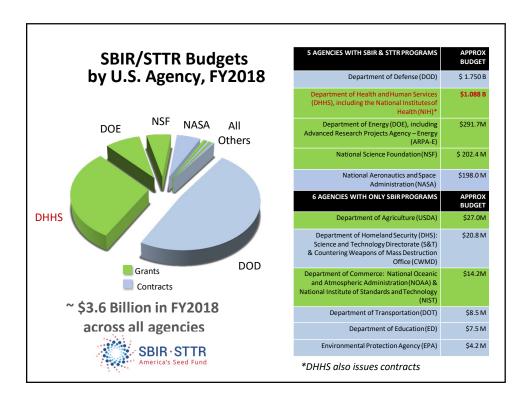
- \$3.6 billion set aside across <u>all Federal</u> <u>agencies</u> for SBIRs & STTRs
  - Over \$1 billion HHS/NIH set aside
- SBIRs
  - Small business must do at least 2/3 of the work (up to 33% budget available)
- STTR
  - Small business must do at least 40% of the work (up to 60% budget available)





Providing Your Institution and its Pls/Researchers with an Overview of the SBIR and STTR Programs









# Congressionally Mandated Programs

#### **SET ASIDE**



# SMALL BUSINESS INNOVATION RESEARCH (SBIR) PROGRAM

Set-aside program for small business concerns to engage in federal R&D -- with potential for commercialization

# SMALL BUSINESS TECHNOLOGY TRANSFER (STTR) PROGRAM



Set-aside program to facilitate cooperative R&D between small business concerns and US research institutions -- with potential for commercialization



# Small Business Innovation Research (SBIR) Small Business Technology Transfer (STTR)

# **SBIR Purpose and Goals**

- Stimulate technological innovation
- Use small business to meet federal R&D needs
- Foster and encourage participation by minorities and disadvantaged persons in technological innovation
- Increase private-sector commercialization innovations derived from federal R&D

Small Business Innovation Development Act of 1982



P.L. 114-328 Re-Authorizes program through FY2022



# **STTR Purpose and Goals**

- Stimulate and foster scientific and technological innovation through cooperative research and development carried out *between* small business concerns and research institutions
- Foster technology transfer between small business concerns and research institutions

# Small Business Research and Development Enhancement Act of 1992



P.L. 114-328 Re-Authorizes program through FY2022

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# **Program Eligibility Criteria**

- · Organized as for-profit US business
- Small: 500 or fewer employees, including affiliates
- Work must be done in the US (with few exceptions)
- Individual Ownership:
  - $_{\circ}$  Greater than 50% US-owned by individuals and independently operated OR
  - Greater than 50% owned and controlled by other business concern/s that is/are greater than 50% owned and controlled by one or more individuals, an Indian tribe, ANC or NHO (or a wholly owned business entity of such tribe, ANC or NHO), OR
  - Be a concern which is more than 50% owned by multiple venture capital operating companies, hedge funds, private equity firms, or any combination of these (For some agencies)



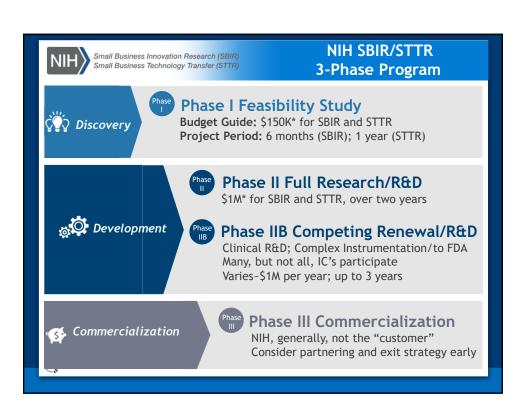
## **Determined at Time of Award**



# STTR Eligibility Criteria

- Applicant is a Small Business Concern
- Formal Cooperative R&D Effort
  - Minimum 40% by small business
  - Minimum 30% by US research institution
- US Research Institution
  - College or university; other non-profit research organization; Federal R&D center
- Intellectual Property Agreement
  - Allocation of rights in IP and rights to carry out follow-on R&D and commercialization







# **SBIR and STTR Critical Differences**

	SBIR	STTR
Partnering Requirement	Permits partnering	Requires a non-profit research institution partner (e.g. university)
Work Requirement	Guidelines: May outsource 33% (Phase I) 50% (Phase II)	Minimum Work Requirements: 40% small business 30% research institution partner
Principal Investigator	Primary employment (>50%) must be with the small business	PI may be employed by either the research institution partner or small business

Award is always made to the small business

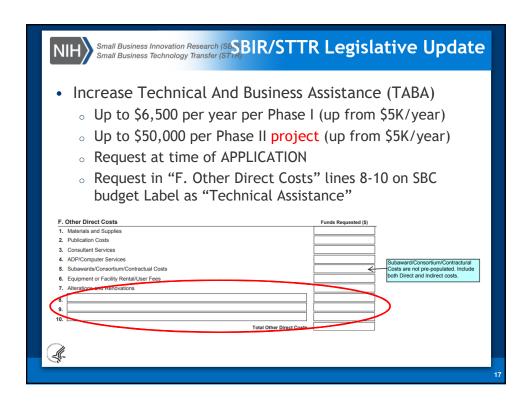




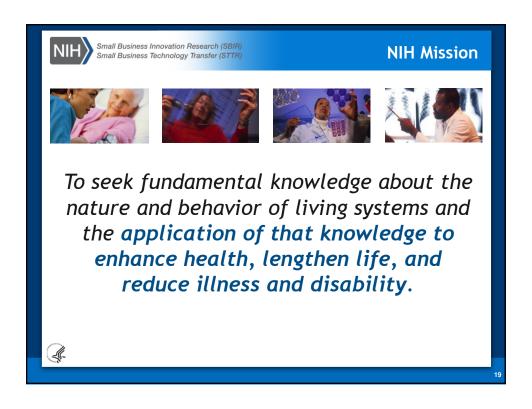
## **SBIR/STTR Reauthorization** update

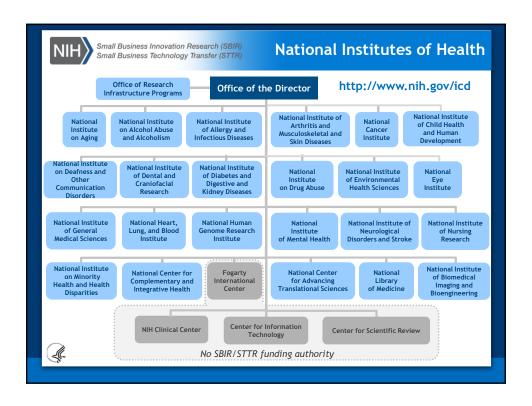
- SBIR/STTR programs reauthorized for 5 year FY18 through FY22
- Pilot programs extended through 2022
  - 。 SBIR Direct Phase II
  - Commercialization Readiness Pilot (CRP) Programs
  - 。 3% Agency SBIR Admin funds
  - NIH Phase 0 Proof of Concept Centers
- Expand Technical Assistance
  - Phase I \$6,500/year (up from \$5,000/year)
  - Phase II \$50,000/project (up from \$5,000/year)
  - 。 SBC hire own vendor or use agency vendor

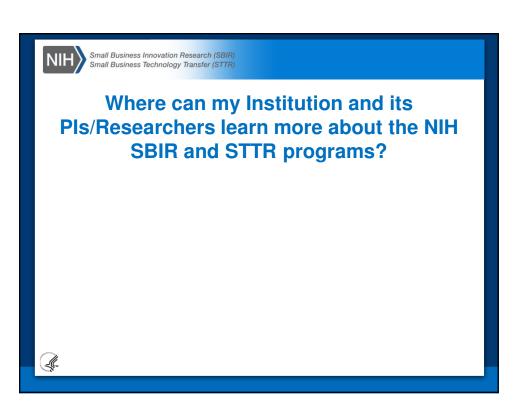






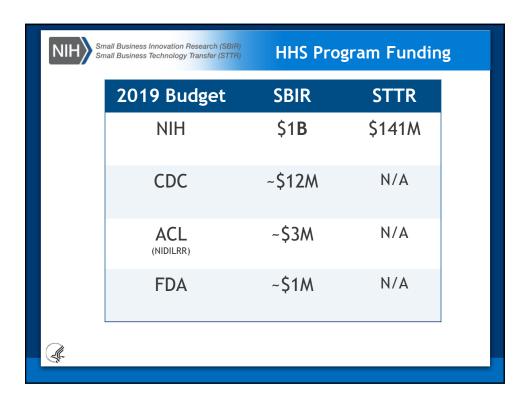


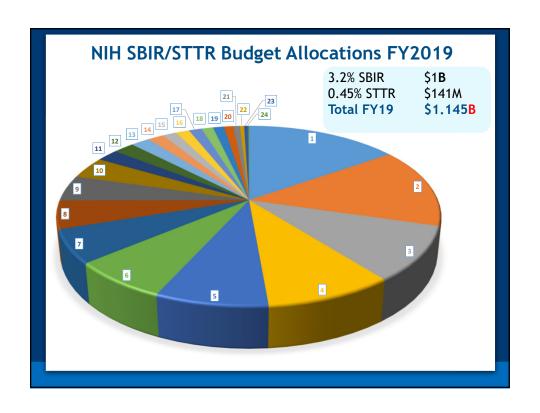


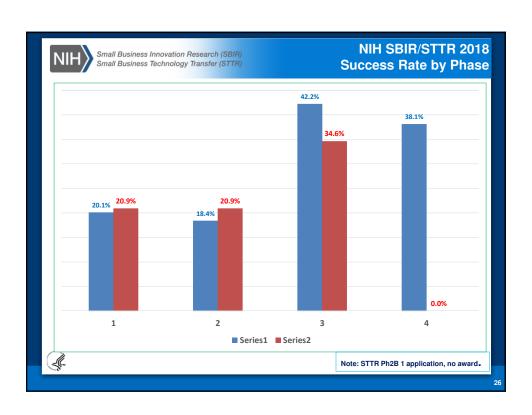


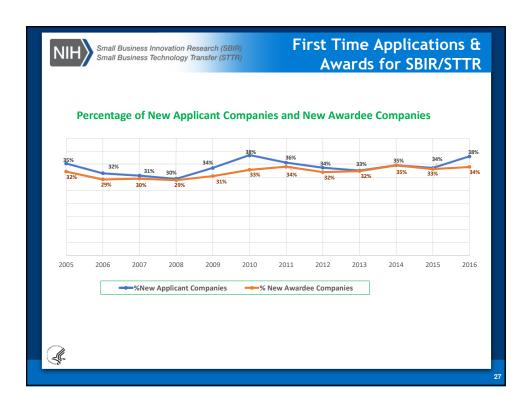


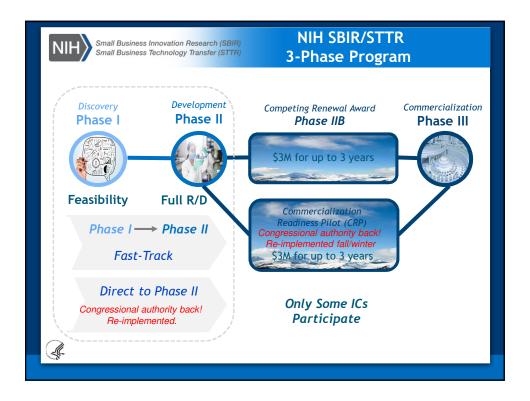














# How does my Institution and its PI/Researchers learn about SBIR/STTR funding opportunities and interests?

- Research the NIH IC websites
- Review Funding Opportunity Announcements (FOA)
  - · Subscribe to the NIH Guide
- · Subscribe to the NIH SBIR Listserv
- Research NIH Reporter (http://projectreporter.nih.gov)







### Solicitations and Due Dates

# NIH, CDC, & FDA SBIR/STTR Grant Solicitation "Parent" FOAs:

**Clinical Trial Required** 

SBIR: <u>PA-19-273</u> STTR: <u>PA-19-271</u>

**Clinical Trial Not Allowed** 

SBIR: <u>PA-19-272</u> STTR: <u>PA-19-270</u>

Release: May 7, 2019

Standard Due Dates: September 5<sup>th</sup> 2019, January 5<sup>th</sup> 2020,

April 5<sup>th</sup> 2019.



#### Solicitations and Due Dates

# Specific FOAs: https://sbir.nih.gov/funding

- · May offer additional resources in addition to funding
- · Not all of them have specific set-asides or even separate reviews
- Not all Institutes/Centers Participate
- Example: NINDS only accepts clinical trials through specific FOAs
- · Read program announcements carefully

Contact program staff at the end of the FOA





# **Example Targeted FOAs**

# **NINDS Cooperative Translational Programs**

### Small Molecules (PAR-18-546; PAR-18-541)

- Small molecule drug discovery and development
- Access to consultants and contracts that provide discovery, preclinical development, and clinical trial support
- Charles Cywin (charles.cywin@nih.gov)

#### Biologics (PAR-17-456; PAR-17-457; PAR-18-542; PAR-18-543)

- Therapeutic Biotechnology Products and Biologics (e.g. peptides, proteins, oligonucleotides, gene therapies, and cell therapies) discovery and development
- Access to consultants (statistics, regulatory, CMC)
- Chris Boshoff (chris.boshoff@nih.gov)

#### Neural Devices (RFA-NS-18-011; RFA-NS-18-012)

- Development, validation and verification, and early clinical studies of therapeutic and diagnostic devices
- Support for small clinical trial to collect safety & effectiveness data
- Nick Langhals (nick.langhals@nih.gov)



# More Information

#### **Get Connected!**

- Subscribe to the SBIR/STTR Listserv:
  - Email <u>LISTSERV@LIST.NIH.GOV</u> with the following text in the message body: subscribe SBIR-STTR your name
- NIH Guide for Grants and Contracts (weekly notification)
- Follow us on Twitter: <u>@NIHsbir</u>
- Read our NIH SBIR/STTR Success Stories
- Connect with Us
- Email: sbir@od.nih.gov





# How do Small Business Concerns (SBCs) apply for SBIR and STTR funding?





#### **Electronic Submission**

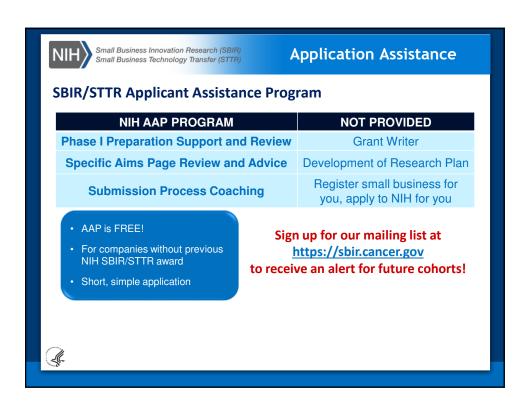
SBIR/STTR grant applications **and** SBIR contract proposals must be submitted **electronically**. Start 6-8 weeks before the application due date.

# Registrations are required!!!

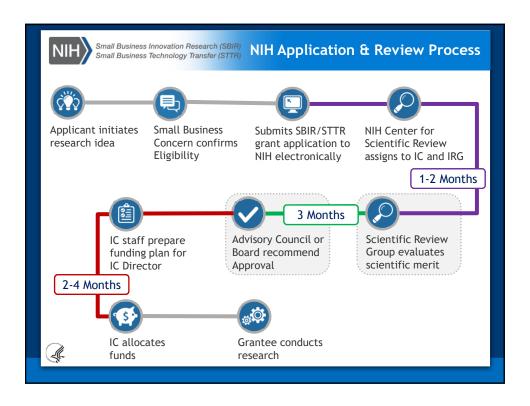
- DUNS Number (Company)
- System for Award Management (SAM)
- Grants.gov (Company)
- eRA Commons (Company and all PD/PIs)
- SBA Company Registry at SBIR.gov
- Helpful NIH Grants Registration Infographic
- For contracts, submit proposals with <u>electronic Contract Proposal</u>
   Submission (eCPS) website

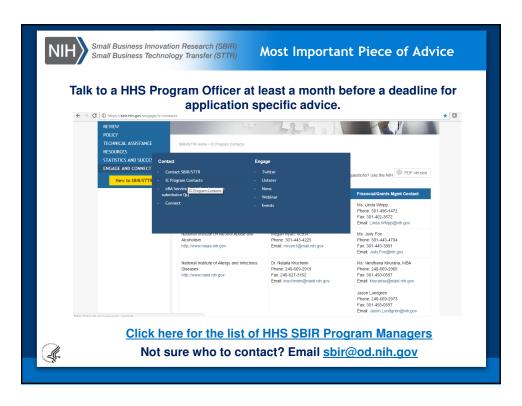


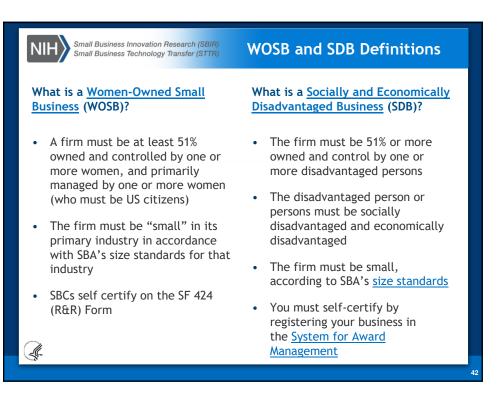














Small Business Innovation Research (SBIR) Small Business Technology Transfer (STTR)		Encouraging Entrepreneurship: STTR Accelerator Hubs	
IDeA Region	Program Name	Small Business Concern	Major Academic Partnering Institution
Northeast	DRIVEN: Accelerating Medical Entrepreneurship in the Northeast	CELDARA MEDICAL, LLC, Lebanon, New Hampshire	University of Vermont, Burlington, Vermont
Central	The Sustainable Heartland Accelerator Regional Partnership (SHARP) Hub	BBC ENTREPRENUERIAL TRAINING AND CONSULTING, LLC, Chelsea, Michigan	University of Kansas Medical Center, Kansas City, Kansas
Western	ASCEND, Accelerating Solutions for Commercialization and Entrepreneurial Development in the Mountain West IDeA States	VIRTICI, LLC, Seattle, Washington	University of New Mexico Health Sciences Center, Albuquerque, New Mexico
Southeast	Southeast Xlerator Network	XLERATEHEALTH, LLC, Louisville, Kentucky	University of Kentucky, Lexington, Kentucky



What technical assistance and resources programs are available for Small Business Concerns and academic entrepreneurs to assist in commercializing their NIH-funded technologies?





### NIH Technical Assistance Programs



# Niche Assessment Program-Foresight S&T

(Phase I Awardees)

- Helps jump start commercialization efforts
- Determines competitive advantages
- Develops market entry strategy



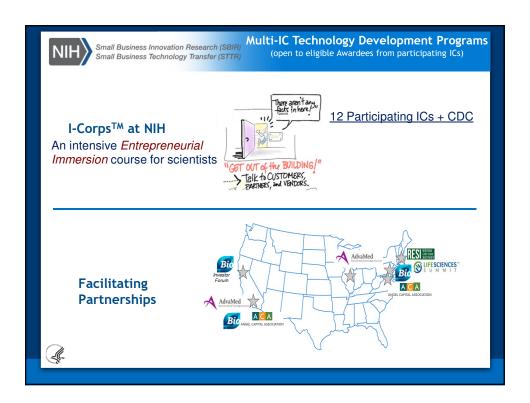
# Commercialization Accelerator Program -Larta, Inc.

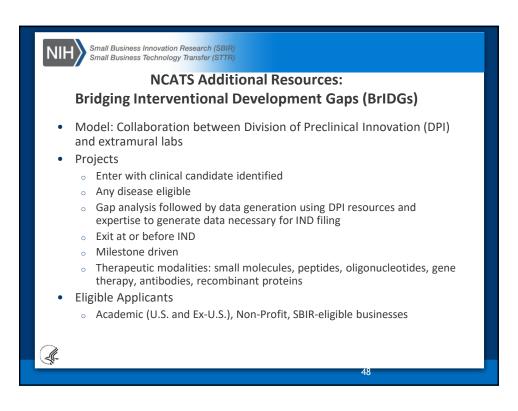
(Phase II Awardees)

- Technical Assistance/Training in:
  - Strategic/business planning
  - FDA requirements
  - Technology evaluation
  - Manufacturing issues
  - Patent and licensing issues
- Helps build strategic alliances
- Facilitates investor partnerships







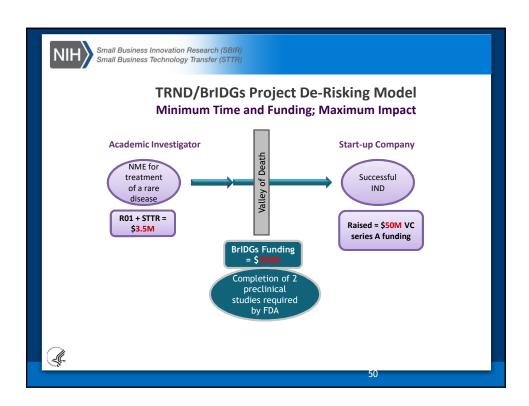




# NCATS Additional Resources:

# Therapeutics for Rare and Neglected Diseases (TRND) Program

- Model: Comprehensive drug development collaboration between DPI and extramural labs with disease-area/target expertise
- Projects
  - o May enter at various stages of preclinical development
  - Disease must meet FDA orphan or WHO neglected tropical disease criteria
  - Taken to stage needed to attract external organization to adopt to complete clinical development/registration, max Phase 2a
  - Milestone driven
  - Therapeutic modalities: small molecules, proteins, peptides, oligonucleotides, gene therapy, antibodies, recombinant proteins
- Eligible Applicants
  - o Academic, Nonprofit, Government Lab, Biotech/Pharma
- © Ex-U.S. applicants accepted





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### Thank You For Your Attention

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