



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



An Overview of the HHS SBIR & STTR Programs for the NICHD Council Meeting

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**NIH SBIR/STTR Program Office,
Office of Extramural Research, NIH HHS**





What are SBIR and STTR Programs?

SBIR

The NIH SBIR program funds early stage small businesses that are seeking to commercialize innovative biomedical technologies. This competitive program helps small businesses participate in federal research and development, develop life-saving technologies, and create jobs.

STTR

The NIH STTR program is similar to the NIH SBIR program, but requires that the small business formally collaborate with a research institution in Phase I and Phase II. Learn more [about](#) the NIH SBIR and STTR programs, including their [critical differences](#).

<https://sbir.nih.gov>





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

NIH SBIR/STTR 3-Phase Program



Discovery

Phase
I

Phase I Feasibility Study

Budget Guide: \$150K for SBIR and STTR

Project Period: 6 months (SBIR); 1 year (STTR)



Development

Phase
II

Phase II Full Research/R&D

\$1M for SBIR and STTR, over two years

Phase
IIB

Phase IIB Competing Renewal/R&D

Clinical R&D; Complex Instrumentation/to FDA
Many, but not all, IC's participate
Varies~\$1M per year; up to 3 years



Commercialization

Phase
III

Phase III Commercialization

NIH, generally, not the “customer”
Consider partnering and exit strategy early



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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

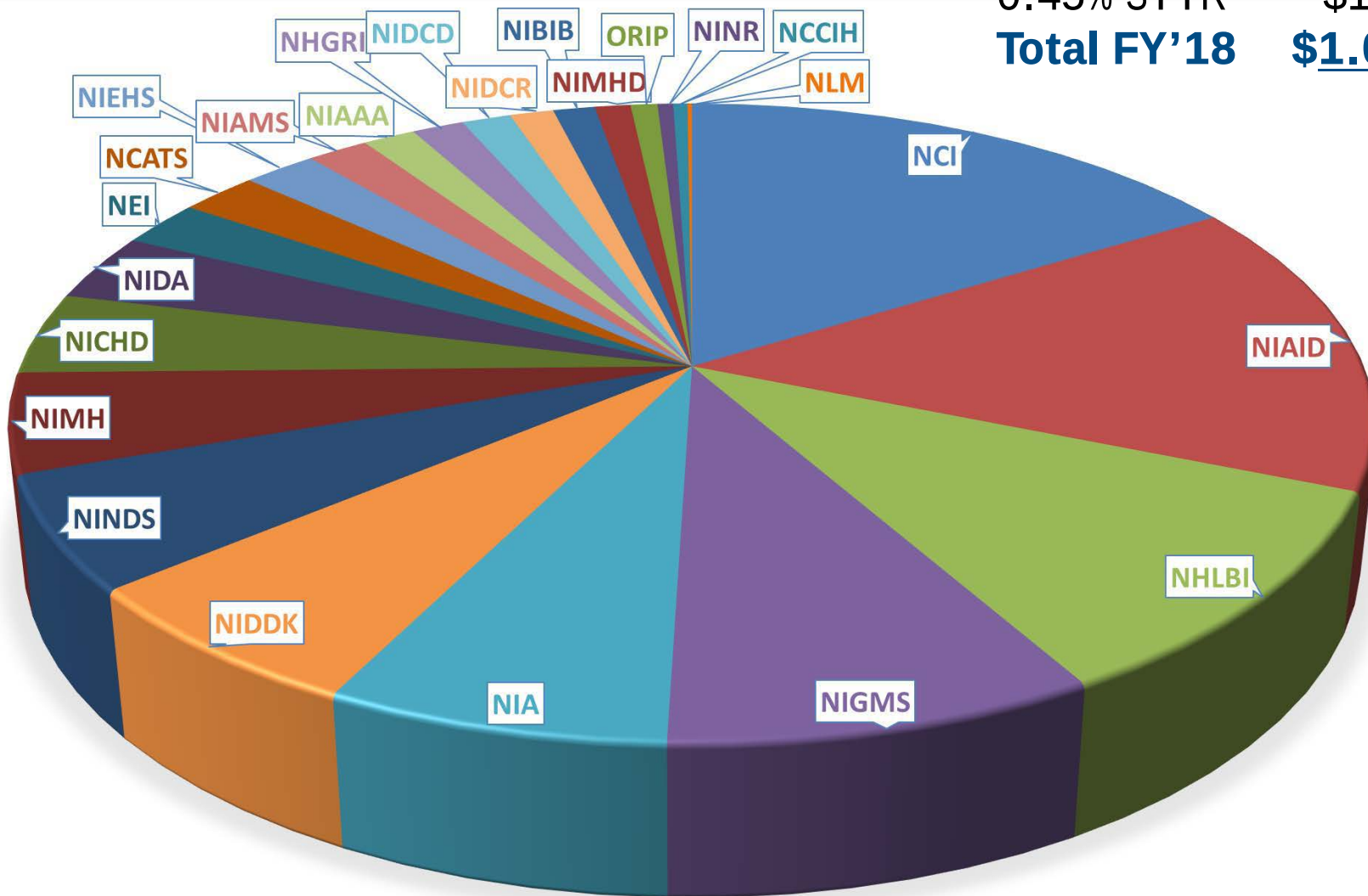




Small Business Innovation Research (SBIR)
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Budget Allocations FY'18

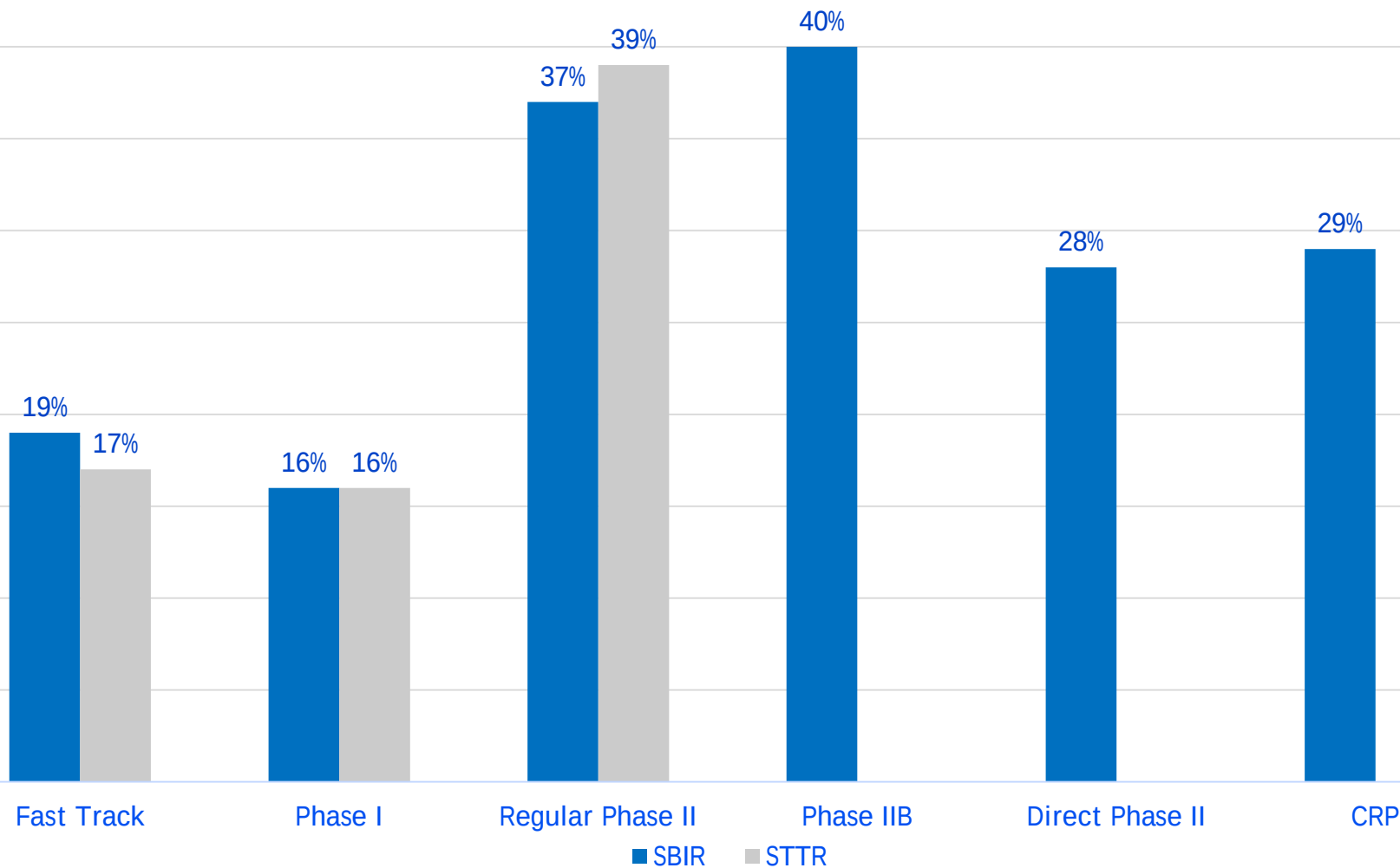
3.20% SBIR \$897M
0.45% STTR \$126M
Total FY'18 \$1.023B





Small Business Innovation Research (SBIR)
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NIH 2017 SBIR/STTR Grants Success Rate by Phase



Lift Labs

- Develops new technologies to provide proactive care for people with essential tremor and Parkinson's Disease
- Acquired by Google in September 2014



Anupam Pathak, Ph.D.
Founder & CEO
NINDS SBIR Awardee



<http://www.liftlabsdesign.com/>



Small Business Innovation Research (SBIR)
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Multi-IC Technology Development Programs

(open to eligible Awardees from participating ICs)

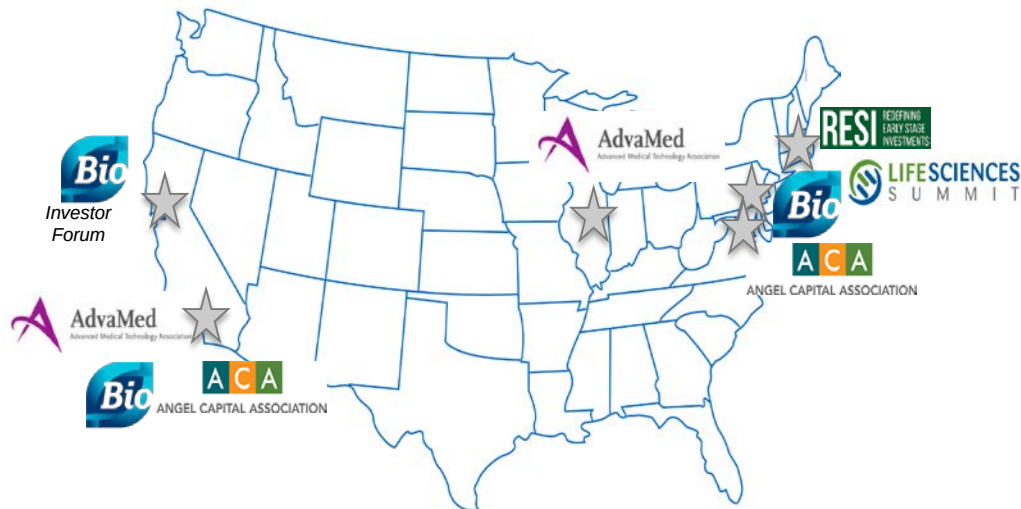
I-Corps™ at NIH

An intensive *Entrepreneurial Immersion* course for scientists



12 Participating ICs + CDC

Facilitating Partnerships





Niche Assessment Program - *Foresight Science & Technology*

(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
- Individualized mentoring/consulting





Get Connected!

- Subscribe to the SBIR/STTR Listserv:
 - Email LISTSERV@LIST.NIH.GOV 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: [@NIHsbir](https://twitter.com/NIHsbir)
- Read our [NIH SBIR/STTR Success Stories](#)
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For More Information

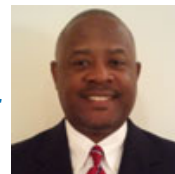


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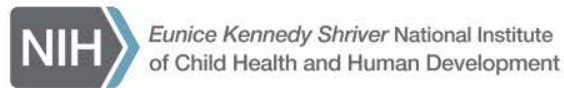
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NICHD SBIR/STTR Program Funding & Solicited Topic Areas FY16-17

Lou Quatrano, Ph.D.





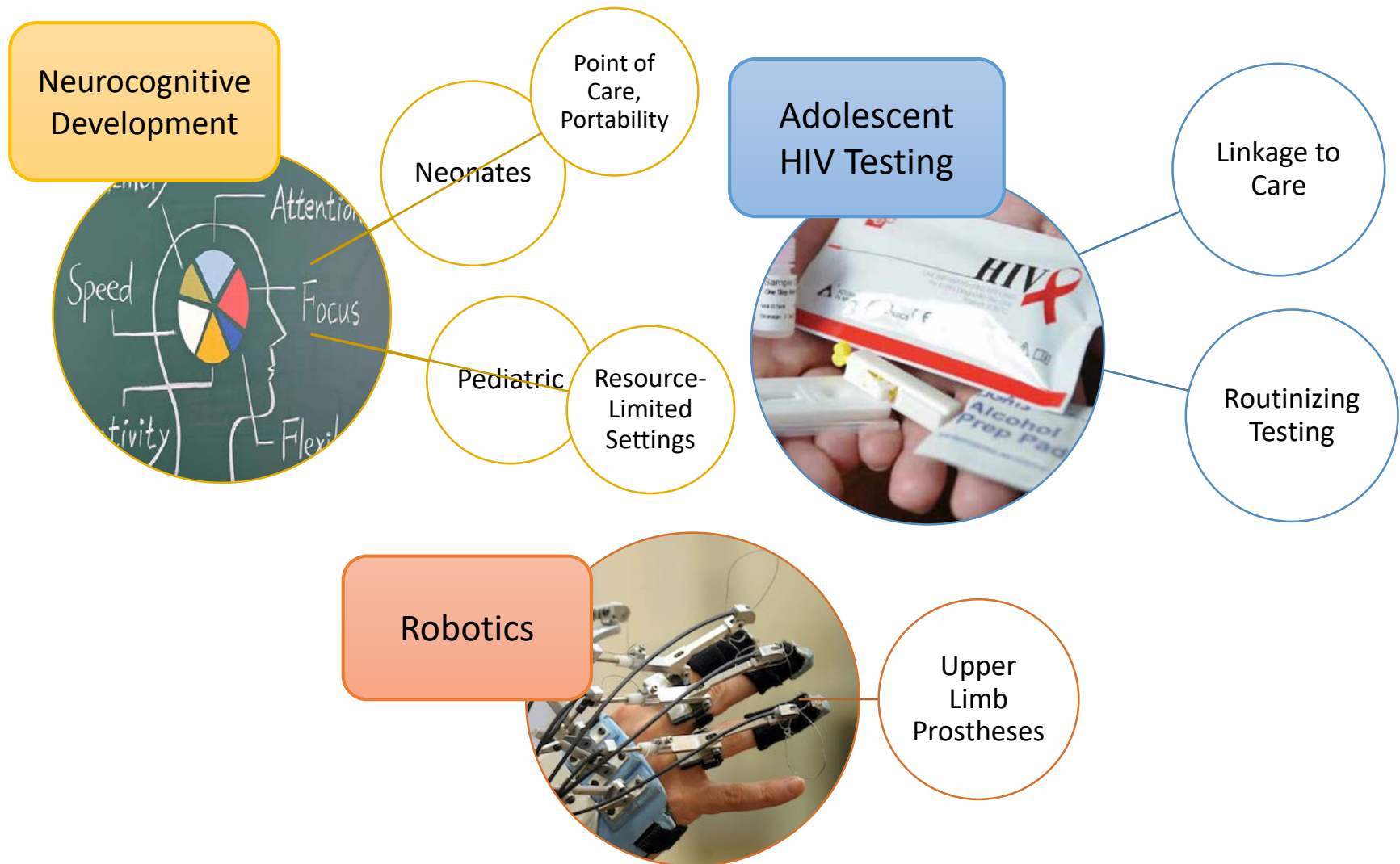
NICHD SBIR/STTR Program Funding

		FY16	FY17
	Set-aside %	3.1%	3.2%
	Non-Competing Cont.	\$10,631,395	\$19,481,113
	RFA's (New)	\$6,003,439	\$225,000
	Investigator Initiated (New)	\$14,370,793	\$15,210,896
	SBIR Totals:	\$31,005,627	\$34,917,009
STTR	Set-aside %	0.45%	0.45%
	Non-Competing Cont.	\$475,078	\$2,202,871
	RFA's (New)	\$1,690,215	
	Investigator Initiated (New)	\$2,562,789	\$2,679,116
	STTR Totals:	\$4,728,082	\$4,881,987
	RMS	\$296,828	\$255,845
	R&D	\$294,464	\$438,728

SBIR Set-aside increased by 0.1% from FY16 to FY17



NICHD FY2016-17 Solicited Topic Areas





For FY16-17, NICHD received applications in response to these RFAs.

NICHD SBIR/STTR RFA Titles

RFA#	RFA Title
HD14-029	Discovery of Molecular Targets for Pregnancy-Related/Induced Diseases & Development of Therapeutics to Prevent/Treat These Diseases
HD14-032	Improving Health Through Rehabilitation Robotic Technology
HD15-001 / HD15-006	Innovative Development/Use of Technology to Increase HIV Testing & Linkage to Care Efforts in Adolescent Populations
HD15-008	In-Vivo Methods for Assessing Placental Development & Function
HD15-018	Isolation, Purification, & Synthesis of Human Milk Oligosaccharides With Antimicrobial Activity
HD15-023	Neurodevelopmental Assessment of Infants & Children in Resource-Limited Settings
HD15-024	Non- Or Minimally-Invasive Methods to Measure Biochemical Substances for Neonatal & Perinatal Clinical Care & Research
HD16-006	Orthotics for Pediatric Populations
HD16-007 / HD16-024 / HD16-028	Tools for Assessment & Improvement of Neurologic Outcomes in Perinatal Medicine
HD16-029 / HD16-030	Use of 3-D Printers for the Production of Medical Devices



Visit NICHD's SBIR/STTR Web Page



Eunice Kennedy Shriver National Institute
of Child Health and Human Development
Health research throughout the lifespan



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Small Business Programs

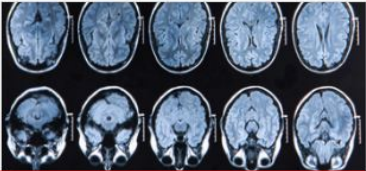
NICHD spends most of its annual budget on support for research activities and training. It relies on processes, policies, and strategies to review, distribute, and manage grants; guide staff on addressing research and funding issues; and ensure the best use of funding dollars.

This section outlines the grant process, describes federal and NICHD-specific grant policies, and explains funding strategies for achieving institute research goals.



NICHD Small Business Priorities

NICHD is interested in specific small business activities.



Funding Opportunities

The institute offers or participates in these small business-focused funding opportunities.

Contact Us:
nichd_sbir@mail.nih.gov

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Questions

