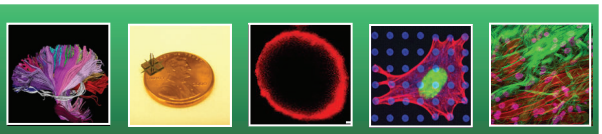
SMALL BUSINESS PROGRAM



National Institute of Biomedical Imaging and Bioengineering

National Institutes of Health

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NIH National Institute of Biomedical Imaging and Bioengineering

Introduction

The mission of the National Institute of Biomedical Imaging and Bioengineering (NIBIB) is to improve human health by leading the development and accelerating the application of biomedical technologies. The Institute is committed to integrating the physical and engineering sciences with the life sciences to advance basic research and medical care.

The NIH Small Business Innovation Research (SBIR) and the Small Business Technology Transfer (STTR) programs award federal research grants and contracts to small businesses conducting biomedical research. These programs invest over $1 billion into health and life science companies that are creating innovative technologies that align with NIH's mission to improve health and save lives. A key objective is to translate promising technologies to the private sector and enable life-saving innovations to reach consumer markets.

Program Structure

Both the SBIR and STTR are divided into three phases listed below. NIH offers a Fast-track Option that allows small businesses to submit one application for Phase I and Phase II; a Direct SBIR Phase II solicitation, which permits small businesses to bypass a Phase I award if they have already proved the feasibility of their technology; and a Commercial Readiness Pilot Program solicitation that can help support commercialization activities. For more information about which solicitation is best suited for your small business, please visit the NIH SBIR/STTR website (https://sbir.nih.gov/funding) and speak to the appropriate SBIR/STTR program manager (https://sbir.nih.gov/engage/ic-contacts).

Phase I

Phase I: Feasibility and Proof of Concept

The objective of Phase I is to establish the technical merit, feasibility, and commercial potential of the proposed R/R&D efforts and to determine the quality of performance of the small business awardee organization prior to providing further federal support in Phase II. As of October 2019, Phase I awards normally do not exceed $252,131 total costs for 6 months (SBIR) or 1 year (STTR).

Phase II

Phase II: Research/Research and Development

The objective of Phase II is to continue the R/R&D efforts initiated in Phase I. Funding is based on the results achieved in Phase I and the scientific and technical merit and commercial potential of the project proposed in Phase II. Only Phase I awardees are eligible for a Phase II award. As of October 2019, SBIR/STTR Phase II awards normally do not exeeed $1,680,879 for 2 years.

Phase III

Phase III: Commercialization

The objective of Phase III, where appropriate, is for the small business to pursue commercialization objectives resulting from the Phase I/II R/R&D activities. The NIH SBIR/STTR programs do not fund Phase III, and NIH does not generally provide any Phase III funding to small businesses.

Research Areas of Interest

Artificial Intelligence, Machine Learning, and Deep Learning
Bio-Electromagnetic Technologies
Biomaterials and Biomolecular Constructs
Biomedical Informatics
Biosensors and Physiological Detectors
Connected Health - Mobile Health and Telehealth
Engineered Cells
Engineered Tissues
Image-Guided Interventions
Image Processing, Visual Perception and Display
Magnetic Resonance Imaging
Mathematical Modeling, Simulation and Analysis
Molecular Probes and Imaging Agents
Nuclear Medicine
Optical Imaging and Spectroscopy
Point of Care Technologies - Diagnostics
Surgical Tools
Synthetic Biology for Technology Development
Technologies for Immunoengineering
Technologies for Tissue Chips
Therapeutic Medical Devices
Ultrasound: Diagnostic and Interventional
X-ray, Electron, and Ion Beam

For a more detailed description of the NIBIB scientific program areas, please visit the NIBIB website: http://www.nibib.nih.gov/research-funding.

Funding Opportunities

Information on current SBIR and STTR funding opportunities is available online at https://sbir.nih.gov/funding.

C3i Program

The C3I program is designed to provide medical device innovators with the specialized business frameworks and essential tools for successful translation of biomedical technologies from lab to market. NIH-supported researchers are eligible for this entrepreneurial training program. The curriculum and customized mentoring enhanced preparations for SBIR and STTR applications and position the companies for commercialization success. For more information, please visit the NIBIB website at http://www.nibib.nih.gov/research-funding/c3i.

NIBIB Contacts

Applicants are strongly encouraged to contact NIBIB staff before submitting an SBIR or STTR application. Additional information can be obtained from the staff listed below.

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