



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>).



NIH Review Process Timeline

Standard Due Date	Review Meeting	Council Review	Earliest Award Date
Jan 5	Feb-March	May-June	July-Sept
April 5	June-July	Aug-Sept	Sept-Dec
Sept 5	Oct-Nov	Jan-Feb	March-May



NIBIB Research Areas of Interest

Division of Applied Science & Technology (Bioimaging)

Bio-Electromagnetic Technologies
 Bioanalytical Sensors
 Image-Guided Interventions
 Magnetic Resonance Imaging
 Molecular Probes and Imaging Agents
 Nuclear Medicine
 Optical Imaging and Spectroscopy
 Ultrasound: Diagnostic and interventional
 X-ray, Electron, and Ion Beam

Division of Discovery Science & Technology (Bioengineering)

Prototype Design Cluster

Mathematical Modeling, Simulation and Analysis

Prototype Demonstration Cluster:

Biomaterial Interfaces
 Biorobotic Systems
 Synthetic Biological Systems

Division of Health Informatics

Artificial Intelligence, Machine Learning, and Deep Learning
 Digital Health - Mobile Health and Telehealth
 Biomedical Informatics
 Point of Care Technologies – Diagnostics
 Image Processing, Visual Perception and Display

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

Funding Opportunities

NIBIB Resources for Small Businesses

Entrepreneurial Finance for Biomedical Innovators:

(Video Course): This free video series provides biomedical entrepreneurs with a detailed framework for building a stepwise, validated financial plan. Move beyond the short-term perspective of immediate financing needs to a comprehensive, long-term financial plan to help you increase the probability of success for your venture!

Technical and Business Assistance - Needs Assessment:

The TABA Needs Assessment Report provides a third party, unbiased assessment of your program in 10 technical and business areas that are critical to success in the competitive healthcare marketplace.

NIH Innovator Support:

The SEED Innovator Support Team is a FREE business resource for small business awardees seeking assistance with commercializing their technology and ensuring success in the market. There are no fixed time commitments or funding required - support

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

is on an "as needed" basis to assist you in your commercialization objectives.

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 nibib.nih.gov/research-program/c3i.

Notices of Special Interest

NOT-EB-21-001: Small Business Initiatives for Innovative Diagnostic Technology for Improving Outcomes for Maternal Health.

Contact

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Applicants are strongly encouraged to contact NIBIB staff before submitting an SBIR or STTR application. Additional information can be obtained by sending an e-mail to NIBIB-SBIR@mail.nih.gov.

