

Funding Innovation for Healthy Aging

The National Institute on Aging (NIA) leads a broad scientific effort to understand the nature of aging and to extend the healthy, active years of life.

NIA provides nearly \$150 million in funding for the Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs.

The Institute offers non-dilutive grants to commercialize interventions that address aging, aging-related diseases, and the special needs of older Americans.

NIA is the primary federal agency leading research on Alzheimer's disease (AD) and AD-related dementias (ADRD).



BIG IDEA

We're looking for groundbreaking ideas in aging research and AD/ADRD:



INNOVATION

to support healthy aging and aging in place



INTERVENTIONS

to help people with aging-related diseases



SOLUTIONS

for aging-related challenges and needs



TOOLS

to efficiently assess and diagnose aging-related diseases



TECHNOLOGY

to reduce burden and improve care and services

APPLICATION GUIDANCE

Contact the NIA Office of Strategic Extramural Programs with questions or to discuss your project idea with Dr. Michael-David A.R.R. Kerns at NIAsmallbusiness@mail.nih.gov.

ONLINE RESOURCES

Visit <u>nia.nih.gov/sbir</u> to find Frequently Asked Questions and review NIA's research priorities.



Available Opportunities

OMNIBUS FUNDING

Investigator-initiated Standard application due dates:

▶ Jan. 5, Apr. 5, Sept. 5

FUNDING FOR AD/ADRD

Focused priority areas in aging Includes higher AD/ADRD budgets Application due dates vary

NIA Divisions Support R&D On:





Aging Biology

Behavioral and Social Research





Clinical Gerontology

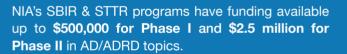
Neuroscience, including AD/ADRD



NIA SBIR & STTR Seeks

- Innovative solutions to significant unmet clinical needs
- Solutions that have significant commercial potential
- · Projects that:
 - Leverage the expertise of the company/founder
 - Seek funding to produce feasibility data (Phase I) or conduct product-focused development activities (Phase II)
- To support innovators from all backgrounds including women and socially disadvantaged entrepreneurs.

Special Research Interests in AD/ADRD



NIA seeks AD/ADRD R&D focusing on:

- Prevention
- Diagnosis
- Treatment
- Care & Caregiving
- Research & **Clinical Tools**
- Analytical
- Tools
- Digital Health
- Novel
- Devices

Focus on Alzheimer's Disease and Related Dementias Research

AD is a leading cause of death in the U.S., affecting more than 6 million Americans. Continued, significant investments are needed if we are to meet the national goal of preventing and effectively treating AD.

NIA's SBIR and STTR programs provide AD and ADRD research funding where it is most needed: in the early stages of R&D when new ideas are tested. We expect to provide nearly \$150 million in funding for small business innovation in aging, AD, and ADRD.

Understanding the NIA SBIR & STTR Programs

Who Is Eligible?

Organized for-profit U.S. small businesses with 500 or fewer employees. Learn more at nia.nih.gov/sbir.

How Do SBIR & STTR Differ?

SBIR	STTR
Supports small businesses conducting early-stage R&D to commercialize innovations in healthy aging and diseases of aging	Supports small businesses that are formally collaborating with a research institution (e.g., university) in R&D to commercialize innovations
PERMITS research institution partnerships	REQUIRES research institution partnerships
The small business may outsource about 33% of Phase I activities and 50% of Phase II activities	The for-profit small business should conduct a minimum of 40% of the work, and a non-profit U.S. research institution should conduct a minimum of 30% of the work
The Project Director/Principal Investigator's primary employment (>50%) must be with the small business for the duration of the project period	An agreement providing necessary intellectual property (IP) rights to the small business is required to carry out follow-on R&D and commercialization

Awards are always made to the small business.

Contact us for help determining whether SBIR or STTR is the best match for your project.

SBIR & STTR Program Phases and Funding Levels		
Phase I	Discovery & Feasibility	 Typically 1 year in length Awards up to \$400,000, or up to \$500,000 for AD/ADRD Establish technical merit, feasibility, and potential for commercialization
Phase II	Development & Full R&D	 Typically 2 years in length Awards up to \$2.25 million, or up to \$2.5 million for AD/ADRD Continues Phase I R&D efforts Requires a commercialization plan
Fast Track		One combined application for Phases I and II
Direct-to-Phase II (SBIR only)		 Apply directly for Phase II funding Demonstrated feasibility through other funding sources
Commercialization Readiness Pilot		 Up to 3 years Awards up to \$3.9 million Funding for late-stage R&D and technical assistance for commercialization
Phase IIB	Competing Renewal	Up to 3 years Awards up to \$3 million



⊗ Start Early.

Strong proposals take time to develop.

Complete required registrations for your company at least 6 to 8 weeks prior to the application deadline.

The four required registrations are System for Award Management (SAM.gov) including your 18-digit Unique Entity Identifier (UEI) number, SBA Company Registry, eRA Commons, and Grants.gov

♡ Considerations for Developing Your Application.

- 1. The technology prototype or therapeutic to be developed;
- 2. The technical innovation the development would represent, the unmet need it addresses, and technical challenges to overcome;
- 3. The value proposition and competition; and how the technology builds on current scientific premise and/or preliminary data;
- 4. The proposed specific research aims, including key models, assays, metrics, and quantitative performance milestones; and
- 5. The relevance of the research and development to NIA's mission.

Additional Resources for Applicants and Awardees

Everyone

Webinars & Events. Watch archived presentations including a mock peer review session on our website and sign up for future events.

Applicants

Sample Applications. Review other successful applications on our website to see what information other applicants included and how they presented it.

Applicant Assistance Program. A 10-week coaching program to help prepare your Phase I application. Offered once each standard funding period. Open to first-time and never-funded applicants.

Awardees

Diversity Supplement. Funds to recruit and support students, postdocs, and eligible investigators from underrepresented groups that enhance the diversity of the research and entrepreneurial workforce.

Innovator Support. Support from the NIA Entrepreneurs-in-Residence including business consults, pitch coaching, and company showcase opportunities.

Additional Resources and Support for Grantees. Companies that receive SBIR/STTR awards are eligible to apply for additional funding, technical assistance, and training programs such as the I-Corps™ at NIH program, C3i Medical Device Entrepreneurial Training Program, and training programs designed for diverse applicants.



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