

Federal Grants to Fund Your Business, Startup, or Laboratory Research Department

Looking for funding sources to kick start a new business, special project, or technical initiative? Federal grants may be the answer you've been looking for.

AUSTIN, TEXAS, USA, September 9, 2019 /EINPresswire.com/ -- A dozen major federal agencies offer grant opportunities under the Small Business Innovation Research Program (SBIR) that are designed to promote technology and science-based innovations.

Funding amounts start at \$150,000 and can rise to as much \$1 million (or more) — albeit these higher funding amounts are often portioned over two or three phases.

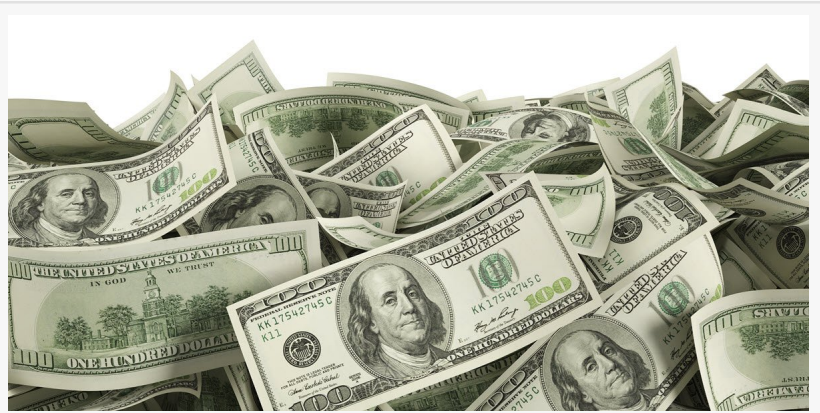
Competition for these awards is intense. For example, we reported earlier that according to one statistic, only 10% of first time NIH laboratory research applicants are funded.

Nonetheless, if you have a project that matches the needs/goals of the respective agency, this can be an excellent way to help fund your projects.

Five of these federal agencies* also offer a joint academic research variation of SBIR grants, known as Small Business Technology Transfer Program (STTR) grants. Unlike SBIR grants, which are awarded directly to business organizations, STTR grants are jointly awarded to business – academic research institution partnerships working together to bring a new technology to market.

*DoD, DoE, NASA, NIH, and NSF.

To help you get started, we've broken the SBIR/STTR grant opportunities into seven categories to



Federal grants



Fixed casework in US army lab

help you narrow your search. But look over all the options, as some grant proposals might (with some fine tuning) be of interest to multiple agencies.

Be aware that each agency manages its grant applications independently, with separate solicitation offers, funding guidelines, preferred aims, submission calendars, and review procedures.

1. Grants For Initiatives In Aerospace And Transportation Technology

From revolutionary new exotic [materials](#) to game-changing, AI-driven design technology, we are entering a new golden age of advancement in aerospace and space exploration.

Both NASA and the Department of [Defense](#) (DoD) solicit SBIR and STTR applications from private aerospace companies to help drive new innovation.

Meanwhile, the Department of Transportation (DoT) also sponsors SBIR grants for transportation systems, including aviation, highways, rail, and maritime technologies. Check out these recent grant awardees for more ideas.

2. NIST Grants Related To Business Commerce And Trade

Take a closer look at a Department of Commerce agency that you may never have heard of – the National Institute of Standards & Technology (NIST). It may have the grant opportunity you are looking for.

The scope of NIST's SBIR mandate is very broad; it touches on industries ranging from biomedical and cybersecurity to software and manufacturing — all in the name of advancing business commerce.

3. Grants For National Defense And Security

You're probably familiar with DARPA (the Defense Advanced Research Projects Agency), which has famously funded initiatives ranging from early versions of the internet to the latest in

 FORMASPACE



Heavy duty bench

 FORMASPACE



Wet lab workbench with lower storage and epoxy sink

advanced robot technology. Generally speaking, DARPA is the decision-making agency responsible for awarding SBIR and STTR grants on behalf of the nation's Department of Defense (DOD) military services. Check out the latest solicitation notices here on the DOD SBIR/STTR Small Business Portal.

When it comes to defending our nation's borders, NOAA –with its satellite monitoring stations in space and tidal stations at sea – also plays a vital role in ocean and coastal monitoring, and in this role NOAA offers SBIR grants for promising commercial initiatives that fulfill this aspect of its mission.

But, since 9/11, the primary responsibility for protecting our nation and its land and maritime borders has fallen to the Department of Homeland Security (DHS). From time to time, it offers SBIR grants covering technology innovations spanning across a wide spectrum of activities, including:

4. Grants For Environmental Conservation And Managing Energy Resources

The mandate of the Environmental Protection Agency (EPA) is to protect human health and the environment, so the EPA's SBIR program generally targets science and technology-based firms promoting environmentally-friendly green technologies. They recently awarded \$2.3 million in SBIR grants to 21 small businesses engaged in air quality monitoring, drinking water treatment, brownfield site cleanup, and the development of less toxic materials.

This Benchmarx unit was built for a water operations outfit; they selected black a phenolic top and backsplash, light gray frame, gray laminate cabinets, a black epoxy sink, and two power strips

The Department of Energy (DoE) also offers SBIR and STTR grants for technologies that promote greener energy solutions, such as alternative energy sources, including wind, solar, etc.

NASA has also offered SBIR and STTR grant solicitations for environmental science and alternative energy projects as well.

Finally, the Department of Agriculture's National Institute of Food & Agriculture offers SBIR grants that promote the use of biofuel.

5. Grants To Enhance Food Production And Protect Natural Resources

Many of same agencies in the previous section are also involved in protecting our natural resources, including the nation's food supply.

So if your project involves technology that touches on [sustainability](#), climate adaptation, and the like, be sure to review the grant solicitation offers from the EPA (SBIR grants), the DOE (SBIR and



Modular lab furniture layout

STTR grants), as well as NOAA (SBIR grants).

For initiatives that relate to food science and nutrition as well as specific programs for livestock, aquaculture, and forestry management, take note of SBIR grant solicitations from the Department of Agriculture's National Institute of Food & Agriculture.

Fort Sam laboratory with fixed casework and upper cabinetry
Formaspace built the lab furniture for one of the largest food/diagnostics labs in the world: the DOD's Food Analysis and Diagnostic Laboratory (FADL) in San Antonio.

6. Grants For Research In Healthcare And Biomedicine

Grants from the National Institutes of Health (NIH) are a major source of funding for basic science research in healthcare and medicine. While most of these grants fund traditional laboratory research teams at universities and other non-profit organizations, NIH does provide funding via its SBIR and STTR grant programs for private companies.

The Chan Zuckerberg BioHub commissioned Formaspace to build custom furniture throughout their new laboratory facility in the SF Bay Area.

Meanwhile, the National Science Foundation (NSF) also offers SBIR and STTR grants to kick start technological innovation in biomedicine, medical devices, computational models, and more.

7. Grants For Initiatives In STEM (Science, Technology, Engineering, Mathematics)

Private industry groups and the federal government agree that we need to enhance science, technology, engineering, and mathematics programs in our country to help keep our economy competitive in the world's marketplace.

Many of the federal agencies we've touch on earlier (NASA, DOD/DARPA, DOE) offer SBIR and STTR grants to promote STEM innovations, such as advanced material science technology.

Meanwhile, NIST has specifically targeted advancements in new manufacturing technology in some of its past SBIR grants solicitations.

Finally, when it comes to STEM Learning and Education, the Department of Education offers SBIR grants for technology-oriented learning innovations through its National Center for Education Research division.

But wait... there's more.

To find these types of federal grant, visit the federal Catalog of Federal Domestic Assistance (CAFA) on the new Beta SAM website.

Read more... https://formaspace.com/articles/gov-military/federal-grants/?utm_source=einpresswire&utm_medium=content&utm_campaign=article-090419

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