

Strategic Initiative 4: Harnessing Information, Multiplying Knowledge

Funding Opportunities

Air Force Office of Scientific Research

The focus of AFOSR is on research areas that offer significant and comprehensive benefits to our national warfighting and peacekeeping capabilities. These areas are organized and managed in three scientific directorates: Aerospace, Chemical and Material Sciences; Mathematics, Information and Life Sciences; and Physics and Electronics.

<http://www.wpafb.af.mil/library/factsheets/factsheet.asp?id=8981>

Alfred P. Sloan Foundation

The Foundation is unique in its focus on science, technology, and economic institutions. It believes the scholars and practitioners who work in these fields are chief drivers of the nation's health and prosperity.

<http://www.sloan.org/apply>

Apple Corporation

<http://www.apple.com/contact/>

Bill & Melinda Gates Foundation

Our belief that every life has equal value is at the core of our work at the foundation. We follow 15 guiding principles, which help define our approach to our philanthropic work, and employ an outstanding leadership team to direct our strategies and grantmaking.

<http://www.gatesfoundation.org/grantseeker/Pages/information-for-grant-seekers.aspx>

Canadian Institute for Advanced Research

Early Career Training is accomplished through the CIARs Junior Fellow Academy program:

- [Cosmology and Gravity](#)
- [Earth System Evolution](#)
- [Experience-based Brain and Biological Development](#)
- [Genetic Networks](#)
- [Institutions, Organizations and Growth](#)
- [Integrated Microbial Biodiversity](#)
- [Nanoelectronics](#)
- [Neural Computation and Adaptive Perception](#)
- [Quantum Information Processing](#)
- [Quantum Materials](#)
- [Social Interactions, Identity and Well-Being](#)

<http://www.cifar.ca/early-career-training>

Defense Advanced Research Projects Agency

Defense Sciences

Information Innovation Office

Microsystems Technology Office

Strategic Technology

Tactical Technology Office

http://www.darpa.mil/Opportunities/Solicitations/DARPA_Solicitations.aspx#TTO

Department of Education

- Institute of Educational Science

Our mission is to provide rigorous and relevant evidence on which to ground education practice and policy and share this information broadly. By identifying what works, what doesn't, and why, we aim to improve educational outcomes for all students, particularly those at risk of failure. We are the research arm of the U.S. Department of Education, and by law our activities must be free of partisan political influence.

<http://ies.ed.gov/funding/>

- Office of Special Education and Rehabilitative Services

- Rehabilitation Services Administration

The mission of the Rehabilitation Services Administration (RSA) is "to provide leadership and resources to assist state and other agencies in providing vocational rehabilitation (VR), independent living (IL) and other services to individuals with disabilities to maximize their employment, independence and integration into the community and the competitive labor market."

<http://rsa.ed.gov/grants.cfm>

- National Institute on Disability & Rehabilitation Research

The National Institute on Disability and Rehabilitation Research (NIDRR) provides leadership and support for a comprehensive program of research related to the rehabilitation of individuals with disabilities. All of our programmatic efforts are aimed at improving the lives of individuals with disabilities from birth through adulthood.

<http://www2.ed.gov/fund/grant/apply/nidrr/index.html>

Department of Homeland Security

The mission of DHS is to prevent and deter terrorist attacks, protect against and respond to threats and hazards to the Nation, and secure our national borders while welcoming lawful immigrants, visitors, and trade. The strategies S&T will use to support this mission and make the Nation safer are:

Explosives Division

Chemical/Biological Division

Command, Control, and Interoperability Division

Borders and Maritime Security Division

Human Factors/Behavioral Sciences Division

Infrastructure/Geophysical Division

https://baa2.st.dhs.gov/portal/public/Menu.action?page=baa_current_solicitations

Google Inc.

The purpose of this program is to facilitate more interaction between Google and academia and also nurture stronger relations and partnerships with universities. The intent of the awards program is to support academic research aimed at improving information access (defined broadly). Google funds Research Awards unrestricted and retains no intellectual property from the research. We prefer if the results from the research are open sourced and widely published. Awards through this program are for one year in the range from \$10K-\$150K. Areas that are of particular interest include (but are not limited to):

- Economics and market algorithms
- Education innovation
- Geo/maps
- Health
- Human-computer interaction
- Information retrieval, extraction, and organization
- Machine learning and data mining
- Machine translation
- Mobile
- Multi-media search and audio/video processing
- Natural language processing
- Policy and standards
- Security and privacy
- Social systems
- Software Engineering
- Software and hardware systems infrastructure
- Speech
- Structured data and database management

http://research.google.com/university/research_awards.html

Hartwell Foundation

The Primary Mission of The Hartwell Foundation is to grant awards to individuals for innovative and cutting-edge biomedical applied research that potentially benefit children. The individuals and children should be citizens of the United States. The general aim is to provide funds for early stage research projects that have not yet qualified for funding from traditional sources.

- [Individual Biomedical Research Awards](#)
- [Biomedical Research Collaboration Awards](#)
- [Biomedical Research Fellowships](#)

http://www.thehartwellfoundation.org/Individual_Biomedical_Research_Awards.shtml

John Templeton Foundation

The John Templeton Foundation serves as a philanthropic catalyst for discoveries relating to the Big Questions of human purpose and ultimate reality. We support research on subjects ranging from complexity, evolution, and infinity to creativity, forgiveness, love, and free will

<http://www.templeton.org/what-we-fund/funding-priorities>

Kauffman Foundation

Ewing Kauffman advised his associates to invest in people and be willing to take risks as we look for opportunities to promote positive education and accelerate entrepreneurship in America. We consider our grants to be investments, and we look for a return on the grant investments we make.

<http://www.kauffman.org/about-foundation/funding-guidelines.aspx>

Kellogg Foundation

The W.K. Kellogg Foundation supports children, families, and communities as they strengthen and create conditions that propel vulnerable children to achieve success as individuals and as contributors to the larger community and society.

<http://www.wkkf.org/grants/for-grantseekers.aspx>

MacArthur Foundation (Digital Media and Learning)

The John D. and Catherine T. MacArthur Foundation is a private, independent grantmaking institution dedicated to helping groups and individuals foster lasting improvement in the human condition.

The digital media and learning initiative is exploring the hypothesis that digital media tools now enable new forms of knowledge production, social networking, communication, and play.

http://www.macfound.org/site/c.lkLXJ8MQKrH/b.913959/k.E1BE/Applying_for_Grants.htm

Missile Defense Agency Science and Technology Advanced Research (MSTAR) BAA

The Missile Defense Agency (MDA) is charged with developing and fielding a Ballistic Missile Defense System (BMDS) to protect the United States (US), as well as US allies and friends from a ballistic missile attack.

<https://www.fbo.gov/index?s=opportunity&mode=form&id=c164a22fc06328822d935d6b3396739d&tab=core&cvview=0>

National Aeronautics and Space Administration

<http://nspires.nasaprs.com/external/solicitations/solicitations.do;jsessionid=6d6YTPRc7bPJd6Chvt37CHhQIGX7jhX66QQvFs89tH5hWW2prQy!-1495209655!-1407319093!7006!9008!NONE?method=init&stack=push>

National Institutes of Health

- Center for Information Technology
 Mission: To provide, coordinate, and manage information technology, and to advance computational science.
 Vision: To be a vital partner in the discovery of biomedical knowledge.
<http://cit.nih.gov/>
- National Institute on Aging
 Since 1974, the NIA -- one of the 27 Institutes and Centers of the NIH -- has been at the forefront of the Nation's research activities dedicated to understanding the nature of aging, supporting the health and well-being of older adults, and extending healthy, active years of life for more people.
<http://www.nia.nih.gov/research/dea/grants-process>
- Eunice Kennedy Shriver National Institute of Child Health & Human Development
 The NICHD, established by congress in 1962, conducts and supports research on topics related to the health of children, adults, families, and populations.
<http://www.nichd.nih.gov/funding/>
- National Institute on Deafness and Other Communication Disorders
 Established in 1988, NIDCD is mandated to conduct and support biomedical and behavioral research and research training in the normal and disordered processes of hearing, balance, smell, taste, voice, speech, and language. The Institute also conducts and supports research and research training related to disease prevention and health promotion; addresses special biomedical and behavioral problems associated with people who have communication impairments or disorders; and supports efforts to create devices which substitute for lost and impaired sensory and communication function.
<http://www.nidcd.nih.gov/funding/pages/what.aspx>
- National Institute on Mental Health
 The mission of NIMH is to transform the understanding and treatment of mental illnesses through basic and clinical research, paving the way for prevention, recovery, and cure.
<http://www.nimh.nih.gov/research-funding/grants/research-grants-r.shtml>
- National Cancer Institute
 Supports and coordinates research projects conducted by universities, hospitals, research foundations, and businesses throughout this country and abroad through research grants and cooperative agreements.
<http://www.cancer.gov/researchandfunding>
- National Institute of Biomedical Imaging and Bioengineering
<http://www.nibib.nih.gov/>
- National Institute of General Medical Sciences
 The mission of the National Institute of General Medical Sciences (NIGMS) is to support [research](#) that increases understanding of life processes and lays the foundation for advances in disease diagnosis, treatment and prevention.
<http://www.nigms.nih.gov/>
- National Human Genome Research Institute (NIH)
<http://www.genome.gov/>

National Science Foundation

Directorate of Computer & Information Science & Engineering

<http://www.nsf.gov/dir/index.jsp?org=cise>

Office of Cyberinfrastructure

<http://www.nsf.gov/dir/index.jsp?org=OCI>

Directorate of Engineering

<http://www.nsf.gov/dir/index.jsp?org=eng>

Office of International Science and Engineering

<http://www.nsf.gov/div/index.jsp?div=OISE>

Education and Human Resources

<http://www.nsf.gov/dir/index.jsp?org=ehr>

Office of Integrative Activities

<http://www.nsf.gov/dir/index.jsp?org=OIA>

National Security Agency

Our vital research program focuses on four critical goals:

- We develop the means to dominate the global computing and communications network.
- We cope with the overload of information in our environment and turn that overload to our strategic advantage.
- We provide the means for ubiquitous, secure collaboration both within our government and through its interactions with various partners.
- We create the means for penetrating into the "hard" targets that threaten our nation wherever, whenever, or whomever they may be.

<http://www.nsa.gov/research/index.shtml>

Office of the Director of national Intelligence

Program offices & Goals:

- [Smart Collection](#)

The goal of the programs in this office is to dramatically improve the **value** of collected data from all sources.

- [Incisive Analysis](#)

The goal of the programs in this office is to maximize **insight** from the information we collect, in a **timely** fashion.

- [Safe & Secure Operations](#)

The goal of the programs in this office is to be able to counter new capabilities implemented by our adversaries that would threaten our ability to operate freely and effectively in a **networked** world.

<http://www.iarpa.gov/>

Office of Naval Research

<http://www.onr.navy.mil/Contracts-Grants.aspx>

Robert Wood Johnson Foundation

The mission of the Robert Wood Johnson Foundation is to improve the health and health care of all Americans. Our goal is clear: To help our society transform itself for the better.

Through our investments in our grantees, we seek to improve the health and health care of all Americans. In 2010, we awarded approximately \$300 million in grants that fell within seven program areas.

<http://www.rwjf.org/grants/>

Simons Foundation

The application of quantitative methods to biology has been progressively more productive over the past several decades. The use of statistical methods and large scale data analyses, for example, is in the process of revolutionizing modern genetics. The applications of both math and physics have been critical to neurobiology. Bringing together mathematicians and biologists, the Simons Foundation supports a Biology Colloquium at the Mathematical Sciences Research Institute (MSRI), a systems biology program at the Institute for Advanced Study (IAS), and a newly established biology program at the Institut des Hautes Études Scientifiques (IHÉS). Through these interdisciplinary programs, the foundation hopes to stimulate collaborations that will further advance research in the life sciences.

<https://simonsfoundation.org/grants>

United States Food and Drug Administration

<http://www.fda.gov/ForFederalStateandLocalOfficials/CooperativeAgreementsCRADAsGrants/ucm234305.htm>

United States - Israel Binational Science Foundation (BSF)

Regular research grants

Open to all scientists from Israel and the USA. Please verify your [eligibility](#) before submitting.

Start-up research grants

Open to American and Israeli scientists who are in the initial stages of their independent careers. Find more details [here](#).

Workshop grants

Open to all American and Israeli scientists, and addressing specific topics that will change from one year to the next and will be announced in the annual Call for Proposals. You can see the current call [here](#).

Prof. Rahamimoff Travel grants

Open to American and Israeli PhD students and post-doctoral researchers for research related trips to the other country. Find more details [here](#).

BSF Energy Research grants

Supported by funds from the Israeli Ministry of National Infrastructures, and the U.S. Department of Energy. It will support joint research programs in alternative and renewable energy, and in energy efficiency. You can read more about the program [here](#). **Please note that the submission to this program is irregular and is dependent on the availability of funds.

Transformative Science Research grants

A new program in 'Transformative Science' was launched in 2010. This is a small program of up to 2 awards annually that will receive larger grants than in our regular program. To be awarded a grant, the program must be 'transformative'. The BSF has adopted the NSF definition for 'Transformative Science', which is: **Research driven by ideas that have the potential to radically change our understanding of an important scientific concept, or lead to the creation of a new paradigm, or a new field of science. Such research is characterized by its challenge to current understanding or by its pathways to new frontiers.**

<http://www.bsf.org.il/BSFPublic/DefaultPage1.aspx?PageId=223&innerTextID=223>

United States Department of Defense (DOD)

Aerospace, Chemical and Material Sciences Directorate

<http://www.wpafb.af.mil/library/factsheets/factsheet.asp?id=9196>

Physics and electronics Directorate

<http://www.wpafb.af.mil/library/factsheets/factsheet.asp?id=9205>

Waitt Foundation

Funding partnerships and projects in conjunction with its grantees and two operating foundations—the [Waitt Institute](#) and the [Waitt Institute for Violence Prevention](#), the foundation supports a variety of scientific and environmental programs with an emphasis on ocean conservation.

[Exploration & Discovery](#)

[Scientific Innovation](#)

[Community Building](#)

<http://waittfoundation.org/grant-guidelines>