Potential Funders for Biology

**Note:** See also Environmental Science Funders and Medical Funders. Most funders which focus on those two fields are not listed here.

**Steps in Pursuing a Potential Funding Opportunity:**

1. **Find Funding Opportunities**
   1) **Look through the table of Potential Funders below.** Click the links to the website of the funder in order to get current information and to better see if that funding source matches your research needs. Be sure to check the other 29 Curated Funding Lists.
   2) **Other Grant Searching Tools:** Baylor subscribes to two grant search engines (Pivot and GrantForward) that will send you regular alerts of funding if you supply your research interests. Log in with your Baylor credentials. See instructions for using these effectively: Search Funding Databases. Government Funding opportunities can also be searched on Grants.gov and Federal Grants Wire.
   3) **Pick Funders that match your research most closely.** Go on their website and sign up for their email alerts of funding opportunities (if available).

2. **Starting Application Process**
   1) **Contact URA:** When you are ready to start applying for a grant, start by contacting your department’s URA (University Research Administrator). They will help you with working with Pre-Award to set up a Box folder, registrations, understanding Baylor’s procedures, and gathering supplementary documents.
   2) **Check Limited Submissions:** Some funding opportunities limit the number of proposals from an institution. For these opportunities, the OVPR holds an internal competition eight weeks before the external submission date. For details and deadlines see: Limited Submissions

3. **Use Baylor Tools for Writing Competitive Grants:**
   1) Research Development’s: Grant Writing Workshop & Writing and Editorial Assistance
   2) PowerPoint Courses for Baylor Faculty on Applying for Grants

**Grant Toolkits for Faculty** (includes Excel Grant Planner, Templates for Letters and Facilities pages, links to applications and forms, and Guides for how to write each grant competitively).

**Grant Kits Available:**

**NIH**
1) R15 Grant Toolkit
2) R21 Grant Toolkit
3) K01 Career
4) R01 and R01 Multi-PI
5) MIRA

**NSF**
1) CAREER
2) Discovery DRK-12
3) MRI
4) PFI
5) REU
6) Graduate Student Fellowship Program (GRFP)

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Virginia_Kearney@baylor.edu X6833

Last edited November 2019
Index:

Note on Using Funding Tables:
1) Content for each table was taken from the Funder's website and is intended to give you a brief overview of that funder. Be sure to go to the Funder's website for up-to-date information and specific current funding opportunities (RFP's).
2) The index is hyperlinked to lead you to a table with more information. Ctrl+Click blue links on index items to go to the table.
3) Within the table, Ctrl+Click blue links to follow links to funder's website

Government Funders
1. **BSF**: United States-Israel Binational Science Foundation *(Limited Submission)*
2. **DOD**: Department of Defense
3. **DOE**: United States Department of Energy – Office of Science
4. **EPA**: Environmental Protection Agency
5. **FDA**: Food and Drug Administration
6. **HHS**: Health and Human Services
7. **NIH**: National Institute of Health [Grant Toolkits Available HERE](#)
8. **NSF**: National Science Foundation [Grant Toolkits Available HERE](#)
9. **SAMHSA**: Substance Abuse and Mental Health Services Administration
10. **USDA**: United States Department of Agriculture
11. **U.S. Fish and Wildlife Services**

Non-Government Funders
12. **The Academy of Medicine, Engineering & Science of Texas**: *(Limited Submission)* Biology, engineering, math, physics prize
13. **Alex's Lemonade Stand**: Childhood cancer research grants
14. **Alzheimer's Association**: Research on Alzheimer’s disease
15. **American Cancer Society, Inc.**: Translational cancer research, molecular genetics and biochemistry of cancer, cancer cell biology and metastasis, Clinical Cancer Research, Nutrition, and Immunology, Cancer Control and Prevention Research, Health Professional Training in Cancer Control
16. **Baylor Scott and White Research Institute**: Wide range of medical research
17. **(Arnold and Mabel) Beckman Foundation**: Young Investigators in Life Sciences and Chemistry
18. **Brain and Behavior Research Foundation**: Understand and treat mental illness
19. **Breakthrough Prize in Life Sciences Foundation**: Biology, biochemistry, mathematics, physics
20. **Burroughs Wellcome Fund**: biomedical and science education
21. **Communities Foundation of Texas: Caruth Jr. Foundation**: Solve complex community issues in the fields of education, public safety, and scientific and medical research
22. **Damon Runyon-Rachleff Innovation Award**: Prevention, diagnosis or treatment of cancer
23. **Discovery Institute**: Research centered around the role of science in culture
24. **(John S) Dunn Foundation**: Biology, cancers, diseases and conditions, health, health care clinics, outpatient medical care
25. **Ed Rachal Foundation**: *(Limited Submission)* Scientific, literary or educational purposes
26. **The Eppley Foundation for Research**: Chemistry, physics, and biology
27. **Gates Foundation**: Challenge grants for inventions to help society.

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Last edited November 2019
28. **(John Simon) Guggenheim Memorial Foundation**: Fellowships awarded to senior scholars in most disciplines but with a concentration on creative arts and humanities.

29. **InnoCentive Challenges**: A variety of challenge problems from different partners that you can offer solutions to get awards of up to $100,000. Most challenges are chemistry, physics, biology, and engineering.

30. **Intel**: Faculty sponsorship for computer science.


32. **(W.M.) Keck Foundation**: *(Limited Submission)* Science and engineering to make innovative technology and solve complex problems.

33. **Kern Family Foundation**: Research in education, STEM, and entrepreneurship.

34. **(G Harold and Leila Y.) Mathers Foundation**: Molecular biology and other life science research.

35. **(James S.) McDonnell Foundation**: Brain sciences, teachers as learners.

36. **Michelson Prizes from Human Vaccines Project**: Research to advance human immunology, vaccine discovery, and immunotherapy research across major global diseases.

37. **Microsoft**: Grants and cloud computing resources-including genomics and ocean research.

38. **National Geographic**: Ecology, education, environment, evolution, geography, social sciences, anthropology, archaeology, biology, ecology, geography, geology, natural history, oceanography, paleontology, sociology.

39. **National Fish and Wildlife Foundation**: Biology, environmental science.

40. **(William and Ella) Owens Medical Research Foundation**: Cancers, diseases, and conditions, health, higher education.

41. **PADI Foundation**: Aquatic environments, ecosystems.

42. **The Simons Foundation**: Life sciences, microbial oceanography, autism.

43. **(Alfred P.) Sloan Foundation**: *(Limited Submission)* Research Fellowships (chemistry, computational or evolutionary molecular biology, computer science, economics, mathematics, neuroscience, ocean sciences, physics).

44. **Smithsonian Institution**: Anthropology, art, biology, chemistry & biochemistry.

45. **(John) Templeton Foundation**: Biology, chemistry, zoology, botany, microbiology, physiology, biochemistry, geology, physics, economics, politics, psychology, psychobiology, philosophy, psychology, artificial intelligence, neuroscience, linguistics, theology, public engagement, character virtue development, individual freedom, free markets, free competition, entrepreneurship, cognitive genius, genetics.

46. **UBiome (added 11/19)**: microbiome kits and sequencing.

47. **Venture Well**: STEM Education grants.

48. **Water Environment & Reuse Foundation**: Natural resources, rivers and lakes, water pollution.

49. **The Whitehall Foundation**: Invertebrate and vertebrate (excluding clinical) neurobiology.

- **New as of 2019**
### Government Funders

| 1. BSF: United States-Israel Binational Science Foundation (Limited Submission) |
| Deadline(s): [See limited submissions website](http://www.bsf.org.il/BSFPublic/DefaultPage1.aspx?Pageld=41&innerTextID=41) |
| Support Strategies: Research | Funding: |
| Maximum grant request for a regular research grant is $230,000 for four years. Asking for a shorter period will not necessarily increase the size of the annual allocation. Start-up grants are limited to $75,000 over two years for each grantee (except a collaborating senior scientist, who is not entitled to receive support from the grant). Out of this sum, $60,000 will be paid by the BSF, and $15,000 is a contribution of the grantee institution that constitutes financial support (that would not have been given to him otherwise). ![Image](image.png) |
| - Size of the grant is determined by factors such as research period, nature of the research (theoretical or experimental), and the number of PIs receiving support. |
| - BSF allows only 15% overhead to all grantee institutions. |
| - **BSF does not allow any salary payment to a PI, including no summer salary.** |
| - Support can be made available to either the Israeli or American PI, or to both. The distribution of support must reflect the division of research tasks. Generally, the BSF respects the distribution of support requested by the PIs. |
| **Description:** The U.S.-Israel Binational Science Foundation (BSF) promotes scientific relations between the U.S. and Israel by supporting collaborative research projects in a wide area of basic and applied scientific fields, for peaceful and non-profit purposes. Founded in 1972 by an agreement between the United States and Israel, the BSF is an independent body, directed by a board of governors consisting of five American and five Israeli members. Its base of operation is in Israel. Funding for research derives from the annual interest on an endowment contributed in equal parts by the two countries. Grants are made on a competitive; peer-reviewed basis, juried by leading scientists from the U.S., Israel and around the world. Eligible projects must demonstrate outstanding scientific merit and clear collaboration between Israeli and American researchers from institutions throughout the two countries. Since its inception, the BSF has awarded about $600 million to over 5,000 research projects of the highest quality. Many of these have led to important with wide-ranging practical applications. The BSF is highly regarded among researchers in both countries as a facilitator of scientific cooperation. Numerous scientists participating in BSF programs have won prestigious awards such as Nobel Prizes, Turing Awards, and Fields Medals. For example, six out of the eight 2004 Nobel Prize Laureates in science were recipients of at least one BSF grant, and several of them have received extensive support from the BSF - most notably Profs. Avram Hershko, Aaron Ciechanover (Technion) and Irwin Rose (UC Irvine), who were awarded the Nobel Prize in Chemistry for their joint discovery of the ubiquitin system for protein degradation. The cooperation between the Israeli and U.S. research groups that led to this discovery was made possible by continuous support by the BSF over more than two decades. Throughout the years, the BSF has had a very important impact on science in Israel. BSF grants have been a major source of funding for Israeli scientists and have facilitated access to leading U.S. investigators and to the unrivaled infrastructure of American science. BSF-sponsored visits to Israel by top U.S. researchers benefit the entire Israeli scientific community. Moreover, cooperation with top Israeli scientists has greatly benefitted many U.S. participants, who are typically from the most prestigious American universities and government research |
The BSF makes a great effort to minimize administrative expenses. A small and efficient staff distributes some $15 million per year in grant monies, with about 94% of the annual budget allocated for science. The BSF is highly successful in achieving its two main goals: strengthening the U.S.–Israel partnership through science and promoting world-class scientific research for the benefit of the two countries and all mankind. The great challenge facing the BSF today is to continue to meet the ever-rising costs of innovative research and the growing needs of Israeli and American scientists, with an endowment that has not been increased since 1984. In recent years, the BSF has launched a cooperative set of joint funding programs with the U.S. National Science Foundation (NSF). This set of NSF-BSF Programs has expanded rapidly and is becoming an important vehicle to increase the scientific ties between the two countries. Israeli grantees in these programs are funded by the BSF, using support it receives from the Council of Higher Education. U.S. grantees receive regular NSF awards. For more information about the BSF, please contact us at bsf@bsf.org.il.

### 2. Department of Defense (DoD)

**Website Link:** [http://cdmr.army.mil/funding/](http://cdmr.army.mil/funding/)

**Find DOD grants through:**

- **DoD Research and Engineering:** [https://www.acq.osd.mil/chieftecnologist/funding.html](https://www.acq.osd.mil/chieftecnologist/funding.html)
- **Grants.gov** [https://www.grants.gov/](https://www.grants.gov/)
- **Pivot:** [https://pivot.proquest.com/funding_main](https://pivot.proquest.com/funding_main)
- **GrantForward:** [https://www.grantforward.com/index](https://www.grantforward.com/index)
- **Federal GrantsWire:** [https://www.federalgrantswire.com/federal-grants-by-agency.html#.WjfdFVWnGUk](https://www.federalgrantswire.com/federal-grants-by-agency.html#.WjfdFVWnGUk)

**Deadline(s):** Various

**Support Strategies:** Generally larger research grants related to military applications, veterans, or help for families of military

**Funding:** Varies

**Description:** DoD offers funding for research in the areas of medical biotechnology, engineering, and military technology. **Funding Opportunities Medical**

- Alcohol and Substance Abuse
- Amyotrophic Lateral Sclerosis
- Autism
- Bone Marrow Failure
- Breast Cancer
- Defense Medical Research and Development Program
- Medical Simulation and Information Sciences Research Program (JPC-1)
- Duchenne Muscular Dystrophy
- Epilepsy
- Gulf War Illness
- Hearing Restoration
- Kidney Cancer
- Lung Cancer
- Lupus
- Multiple Sclerosis
- Neurofibromatosis
- Orthotics and Prosthetics Outcomes
- Ovarian Cancer
- Parkinson’s
- Peer Reviewed Alzheimer’s
- Peer Reviewed Cancer
- Peer Reviewed Medical

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• Peer Reviewed Orthopaedic
• Prostate Cancer
• Psychological Health/Traumatic Brain Injury
• Reconstructive Transplant Research
• Spinal Cord Injury
• Tick-Borne Disease
• Vision
• Synopsis of Current Program Funding Opportunities
• How to Apply
• Avoiding Research Duplication
• Program Funding Opportunities Archives

Research and Engineering: https://www.acq.osd.mil/chieftechnologist/funding.html

3. DOE: Department of Energy

Website Link: https://science.energy.gov/funding-opportunities/find-funding/
Interactive grants map: https://science.energy.gov/universities/interactive-grants-map/

Support Strategies: Research
Funding: Varies

Deadline(s): Varies

Description: The U.S. Department of Energy Office of Science is the lead federal agency supporting fundamental scientific research for energy and the Nation’s largest supporter of basic research in the physical sciences.

The Office of Science portfolio has two principal thrusts: direct support of scientific research and direct support of the development, construction, and operation of unique, open-access scientific user facilities. These activities have a wide-reaching impact. The Office of Science supports research in all 50 States and the District of Columbia, at DOE laboratories and more than 300 universities and institutions of higher learning nationwide. The Office of Science User Facilities provide the Nation’s researchers with state-of-the-art capabilities that are unmatched anywhere in the world. Additional information on funding opportunities, including program contacts and general program announcements, can be found on the SC program offices’ funding opportunities pages:

• Advanced Scientific Research Computing (ASCR) funding opportunities information
• Basic Energy Sciences (BES) funding opportunities information
• Biological & Environmental Research (BER) funding opportunities information
• Fusion Energy Sciences (FES) funding opportunities information
• High Energy Physics (HEP) funding opportunities information
• Nuclear Physics (NP) funding opportunities information
• Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) funding opportunities information

The complete DOE National Laboratory funding announcement is posted on the Grants and Contracts website under reference number LAB 17-1761 (569KB). DOE national laboratory preproposals and full proposals must be submitted to the DOE Office of Science Portfolio Analysis and Management System (PAMS) website. The fiscal Year 2018 Frequently Asked Questions (196KB)

4. EPA: Environmental Protection Agency

Website Link: https://www.epa.gov/research-grants/research-funding-opportunities

Support Strategies: Research
Funding: 4 Billion awarded each year

Deadline(s): Varies

Description: All grant, fellowship and/or Small Business Innovation Research (SBIR) funding opportunities competed through the Research Grants website are done through solicitations or Requests for Applications (RFAs). Any application submitted must be in response to an open solicitation or RFA. Search for open or upcoming funding opportunities.

Follow the application instructions in the solicitation or RFA. Application instructions, where appropriate, will link back to various forms on this page to download.

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### 5. FDA: Food and Drug Administration

**Website Link:** [https://www.fda.gov/ScienceResearch/AboutScienceResearchatFDA/default.htm](https://www.fda.gov/ScienceResearch/AboutScienceResearchatFDA/default.htm)  
**Deadline(s):** Varies  
**Support Strategies:** Research  
**Funding:** Varies  
**Description:**
- Animal and Veterinary  
- Research Areas, Publications  
- Biologics  
- Research by FDA Staff to Evaluate and Enhance the Safety of Biologic Products  
- Drugs  
- Research by FDA Staff to Evaluate and Enhance the Efficacy, Safety, and Quality of Drug Products  
- Food  
- Biotechnology, laboratory methods and publications, research strategic plan, and research areas such as risk assessment and consumer behavior.  
- Medical Devices  
- Biology, Physics, Chemistry  
- Minority Health  
- Office of Minority Health Research and Collaboration Program  
- Tobacco Products  
- Research Priorities, Funded Research, Meetings, and Conferences  
- Toxicological Research  
- Bioinformatics, Biostatistics, Computational Toxicology, Food Protection, Imaging, Nanotechnology  
- Women’s Health  
- Funding available to researchers, Pregnancy initiatives, Outcomes of Science Program efforts

### 6. HHS: United States Department of Health and Human Services

**Website Link:** [www.hhs.gov](http://www.hhs.gov)  
- [https://www.hhs.gov/grants/index.html](https://www.hhs.gov/grants/index.html)  
- ACF: [https://ami.grantsolutions.gov/](https://ami.grantsolutions.gov/)  
- ACL: [https://www.acl.gov/grants](https://www.acl.gov/grants)  
- AHRQ: [https://www.ahrq.gov/funding/index.html](https://www.ahrq.gov/funding/index.html)  
- NIDILRR: National Institute of Disability, Independent Living and Rehabilitation Research: [https://www.acl.gov/node/606](https://www.acl.gov/node/606)  
**Deadline(s):** Varies dependent upon project  
**Support Strategies:** Research and Community Support  
**Funding:** Varies  
**Description:** It is the mission of the U.S. Department of Health & Human Services (HHS) to enhance and protect the health and well-being of all Americans. We fulfill that mission by providing for effective health and human services and fostering advances in medicine, public health, and social services.  
**HHS: ACF(Administration for Children and Families) programs aim to:**

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- Empower families and individuals to increase their economic independence and productivity
- Encourage strong, healthy, supportive communities that have a positive impact on quality of life and the development of children
- Create partnerships with front-line service providers, states, localities and tribal communities to identify and implement solutions that transcend traditional program boundaries
- Improve access to services through planning, reform, and integration

Address the needs, strengths, and abilities of vulnerable populations including people with developmental disabilities, refugees, and migrants

**HHS: ACL (Agency for Community Living)** advocates across the federal government for older adults, people with disabilities, families and caregivers; funds services and supports provided primarily by states and networks of community-based programs; and invests in training, education, research, and innovation. We manage a variety of programs ([authorized by several statutes](https://www.aclfhr.org/what-we-do)), providing assistance on health and wellness, protecting rights and preventing abuse, supporting consumer control, strengthening the networks of community-based organizations, funding research, and much more.

**Data Collection Projects** - Several programs collect and analyze data to help everyone working on aging and disability issues understand the populations we serve and measure the impact and effectiveness of programs

**HHS: AHRQ: Agency for Healthcare Research and Quality** The AHRQ mission is to produce evidence to make health care safer, higher quality, more accessible, equitable and affordable, and to work with HHS and other partners to make sure that the evidence is understood and used.

**Within the mission, AHRQ’s specific priority areas of focus are:**
- Improve health care quality by accelerating the implementation of Patient-Centered Outcomes Research (PCOR).
- Make health care safer.
- Increase accessibility by evaluating expansions of insurance coverage.

Improve health care affordability, efficiency and cost transparency.

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### 7. NIH: National Institute of Health

**Website Link:** [https://www.nih.gov/grants-funding](https://www.nih.gov/grants-funding)

**Open Investigator-Initiated Announcements:**


**Support Strategies:**
- Research Grants (R series)
- Career Development Awards (K series)
- Research Training and Fellowships (T & F series)
- Program Project/Center Grants (P series)
- Resource Grants (various series)
- Trans-NIH Programs

**Deadline(s) Varies**

**All NIH Grant Toolkits Available HERE**
1. **R15 Grant Toolkit**
2. **R21 Grant Toolkit**
3. **K01 Career Grant Toolkit**
4. **R01 Grant Toolkit**
5. **R01 Multi-PI Grant Toolkits**
6. **MIRA Grant Toolkit (includes Early Career)**

**Description:** NIH funded research has led to breakthroughs and new treatments, helping people live longer, healthier lives, and building the research foundation that drives discovery. NIH offers funding for many types of grants, contracts, and even programs that help repay loans for researchers. On occasion, we use the NIH Guide to publish research contract opportunities in addition to grant opportunities, but for a comprehensive listing of contract opportunities, we encourage you to search [FedBizOpps](https://fedbizopps.gov), the fed-wide portal that supports searching, monitoring, and retrieving contract opportunity. Or you can visit our contracts page to learn more about the difference between grants and contract, types of contracts, how contracts are evaluated, and more.

**Weekly Table of Contents**

NIH publishes funding opportunities and notices in the NIH Guide daily. At the end of each work week (usually on Friday afternoon), we send a weekly table of contents of everything published during the week to the NIH Guide LISTSERV. [Subscribe](https://www.nih.gov/whatisNIH/lh/mail) today!


### 8. NSF: National Science Foundation

**Website Link:** [https://www.nsf.gov/](https://www.nsf.gov/)

**Broader Impacts Website:** [https://www.nsf.gov/od/oia/special/broaderimpacts/](https://www.nsf.gov/od/oia/special/broaderimpacts/)

**Find grants through:**
- NSF Area website (see links below)
- Grants.gov [https://www.grants.gov/](https://www.grants.gov/)
- Pivot: [https://pivot.cos.com/funding_main](https://pivot.cos.com/funding_main)
- GrantForward: [https://www.grantforward.com/index](https://www.grantforward.com/index)

<table>
<thead>
<tr>
<th>Support Strategies:</th>
<th>All NSF Grant Toolkits Available <a href="#">HERE</a>:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research • RAPID &amp; EAGER • RAISE • GOALI • Ideas Lab • FASED • Conferences • Equipment • Travel • Facility / Center • Fellowships</td>
<td>7) CAREER 8) Discovery DRK-12 9) MRI 10) PFI 11) REU 12) Graduate Student Fellowship Program (GRFP)</td>
</tr>
</tbody>
</table>

**Deadline(s):** Varies

**Description:** Areas:
- Biological Sciences (BIO)
- Computer and Information Science and Engineering (CISE)
- Education and Human Resources (EHR)
- Engineering (ENG)
- Environmental Research and Education (ERE)
- Geosciences (GEO)
- Integrative Activities (OIA)
- International Science and Engineering (OISE)
- Mathematical and Physical Sciences (MPS)
- Social, Behavioral and Economic Sciences (SBE)


### 9. SAMHSA (Substance Abuse and Mental Health Services Administration)

**Website Link:** [https://www.samhsa.gov/](https://www.samhsa.gov/)

**Grants:** [https://www.samhsa.gov/grants](https://www.samhsa.gov/grants)

**Support Strategies:** Research

**Funding:** Varies

**Description:** SAMHSA makes grant funds available through the Center for Substance Abuse Prevention, the Center for Substance Abuse Treatment, and the Center for Mental Health Services. Find funding opportunities.
that support programs for substance use disorders and mental illness, and learn about the grant application, review, and management process.

SAMHSA announces grant funding opportunities through Funding Opportunity Announcements (FOAs). Each FOA contains all the information you need to apply for a grant. To apply for a SAMHSA grant, you must register on Grants.gov.

View all Fiscal Year (FY) 2018 Grant Announcements

These resources will help you find and apply for funding opportunities:

- Visit "Applying for a New SAMHSA Grant" to learn more.
- Registration Requirements
- Submitting Your Application
- Application Forms and Resources
- Guidelines for Consumer and Family Participation

10. USDA: United States Department of Agriculture

Website Link: https://nifa.usda.gov/grants

Support Strategies: Research and Community Support

<table>
<thead>
<tr>
<th>Description</th>
<th>Funding</th>
</tr>
</thead>
<tbody>
<tr>
<td>We provide leadership on food, agriculture, natural resources, rural development, nutrition, and related issues based on public policy, the best available science, and effective management. We have the vision to provide economic opportunity through innovation, helping rural America to thrive; to promote agriculture production that better nourishes Americans while also helping feed others throughout the world; and to preserve our Nation's natural resources through conservation, restored forests, improved watersheds, and healthy private working lands.</td>
<td>Varies</td>
</tr>
</tbody>
</table>

Advanced Technologies
- Bioenergy
- Biotechnology
- Nanotechnology

Business and Economics
- Markets and Trade
- Natural Resource Economics
- Small Business
- StrikeForce

Education
- Learning and Engagement
- Minority Serving Institutions
- Workforce Development

Environment
- Climate Change
- Ecosystems
- Invasive Pests and Diseases

Health
- Nutrition
- Obesity
- Wellness

Human Sciences
- Community Vitality
- Family Well-Being
- Youth

Natural Resources
- Air
- Forests
11. U.S. Fish and Wildlife Service

Website Link: [www.fws.gov](http://www.fws.gov)  

**Deadline(s):** Varies

**Support Strategies:** Research  
**Funding:** Varies

**Description:** We are a bureau within the [Department of the Interior](https://www.fws.gov). Our Objectives:

- Assist in the development and application of an environmental stewardship ethic for our society, based on ecological principles, scientific knowledge of fish and wildlife, and a sense of moral responsibility.
- Guide the conservation, development, and management of the Nation's fish and wildlife resources.
- Administer a national program to provide the public opportunities to understand, appreciate, and wisely use fish and wildlife resources.

**Functions**

Here are a few of the ways we try to meet our mission:

- [Enforce federal wildlife laws](https://www.fws.gov).
- Protect [endangered species](https://www.fws.gov).
- Manage [migratory birds](https://www.fws.gov).
- Restore nationally significant [fisheries](https://www.fws.gov).
- Conserve and restore wildlife habitat such as [wetlands](https://www.fws.gov).
- Help foreign governments with their [international conservation efforts](https://www.fws.gov), and
- Distribute hundreds of millions of dollars, through our [Wildlife Sports Fish and Restoration](https://www.fws.gov) program, in excise taxes on fishing and hunting equipment to State fish and wildlife agencies.

Non-Government Funders

12. Academy of Medicine, Engineering and Science of Texas (LIMITED SUBMISSION)

Website Link: [http://tamest.org/](http://tamest.org/)  

**Deadline(s):** Internal deadline 12/1

**Funding:** $25,000

**Support Strategies:** Biology, Engineering, Health & Human Performance, Math, and Physics

**Description:** The Academy of Medicine, Engineering & Science of Texas promotes broader recognition of the state’s top achievers in medicine, engineering, and science, and to build a stronger identity for Texas as an important destination and center of achievement in these fields. The O’Donnell Awards annually recognize rising Texas researchers who are addressing the essential role that science and technology play in society, and whose work meets the highest standards of exemplary professional performance, creativity, and resourcefulness.
The O’Donnell Awards acknowledge outstanding achievements by Texas-based researchers in four categories: medicine, engineering, science, and technology innovation. Each award includes a $25,000 honorarium and an invitation to present at TAMEST’s Annual Conference in January.

- 2018 Recipients
- 10th Anniversary Video
- Supporters
- Past Recipients

13. Alex’s Lemonade Stand Foundation


<table>
<thead>
<tr>
<th>Support Strategies: childhood cancer research grants</th>
<th>Funding: $100,000 early career, $300,000 senior researcher</th>
</tr>
</thead>
</table>

**Description:** Alex’s Lemonade Stand Foundation (ALSF) is changing the lives of children with cancer by funding impactful research, raising awareness, supporting families and empowering everyone to help cure childhood cancer. ALSF has funded nearly 1,000 cutting-edge research projects at 135 institutions in the U.S. and Canada.

Welcome to the ALSF Grants Programs resource center for childhood cancer researchers and grant reviewers. If you have any questions about our programs, submission process, or need assistance, please reach out to Grants@AlexsLemonade.org

**APPLICANTS**

Learn about research grants offered by ALSF

**Early Career Research**

Engaging researchers early in their careers, leading to long-term commitments to finding cures

- ‘A’ Award Grants
- Young Investigator Grants
- POST Program Grants

**Research Accelerator**

Advancing the pace of innovative research

- Bio-Therapeutics Impact Grants
- Centers of Excellence Grants
- Epidemiology Grants
- Innovation Grants
- Phase I/II Infrastructure Grants
- Reach Grants
- RUNX1 Grants

**Quality of Life and Care**

Improving the quality of life and care for children and their families

- Nurse Researcher Grants
- Psychosocial Grants
### 14. Alzheimer’s Association

**Website Link:** [https://www.alz.org/](https://www.alz.org/)

**Deadline(s):** Varies

**Support Strategies:** Research grants and fellowships

**Funding:** Varies

**Description:** The Alzheimer’s Association International Research Grant Program funds investigations that advance our understanding of Alzheimer’s disease help identify new treatment strategies, provide information to improve care for people with dementia, and further our knowledge of brain health and disease prevention. Our awards support investigators at every professional stage and always include categories specifically designed to help talented young scientists establish careers in Alzheimer’s research. Our entire grant portfolio is structured to meet the needs of the field and to nurture fresh ideas. Learn more about the [types of grants we fund](https://www.alz.org/)

The Association, under the direction of our [Medical and Scientific Advisory Council](https://www.alz.org/), works to identify and fund a wide range of the most promising projects, from basic biological science to studies addressing social and behavioral aspects of Alzheimer’s. The studies we've invested in have enabled significant advances across the research spectrum in such areas as diagnosis, genetics, treatments, prevention, early detection and enhancing the quality of life. Learn more about our funded scientists and what they’re doing to change the future of dementia diagnosis, treatment, care, and prevention: [Spotlight on Researchers](https://www.alz.org/).

### 15. American Cancer Society, Inc.

**Website Link:** [www.cancer.org](http://www.cancer.org)

[https://www.cancer.org/research/we-fund-cancer-research/apply-research-grant.html](https://www.cancer.org/research/we-fund-cancer-research/apply-research-grant.html)

**Deadline(s):** Varies

**Support Strategies:** Cancer research

**Funding:** Varies, Research Scholar is for $165,00 per year for 4 years; Institutional Research grant seed money is $90,000 a year for 3 years

**Description:** The society is a nationwide community-based voluntary health organization dedicated to eliminating cancer as a major health problem by preventing cancer, saving lives from cancer, and diminishing suffering from cancer through research, education, and service.

**Research Grants for Independent Investigators**

The American Cancer Society supports investigator-initiated projects across the cancer research continuum. **Research Scholar Grants (RSGs)** are awards are for up to 4 years and for up to $165,000 per year for direct costs, plus 20% allowable indirect costs. Independent investigators in the first 6 years of an independent research career or faculty appointment are eligible to apply. **Institutional Research Grants (IRGs)** are block grants given to institutions as "seed money" for the initiation of projects by promising junior investigators. They average $90,000 a year for 3 years

- [Research Scholar Grants](https://www.cancer.org/research/we-fund-cancer-research/apply-research-grant.html)
- [Institutional Research Grants](https://www.cancer.org/research/we-fund-cancer-research/apply-research-grant.html)

**New Initiatives and Requests for Applications**

With a primary focus on beginning investigators, the American Cancer Society's Extramural Grants Program seeks to support and promote high impact and innovative cancer research across a wide range of disciplines to meet critically important needs in the control of cancer. Thank you for considering the American Cancer Society for your research funding opportunities. We are currently interested in receiving grant applications in the following areas:

1. [RFA: The Role of Health Policy and Health Insurance in Improving Access to and Performance of Cancer Prevention, Early Detection, and Treatment Services](https://www.cancer.org)
2. [RFA: Pilot and Exploratory Projects in Palliative Care of Cancer Patients and Their Families](https://www.cancer.org)

### 16. Baylor Scott and White Research Institute

**Website Link:** [http://www.baylorhealth.edu/Research/BSWRI/Dallas/ForResearchers/Pages/default.aspx](http://www.baylorhealth.edu/Research/BSWRI/Dallas/ForResearchers/Pages/default.aspx)

**Deadline(s):** Varies

**Support Strategies:** Medical research

**Funding:** Varies

**Description:** Vision: to be one of the world’s leading research centers for translational medicine

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Last edited on November 2019

Provided by the Research Development

Stacey_L_Smith@baylor.edu X3252 or

Virginia_Kearney@baylor.edu X6833
Mission: to improve the care and well-being of our community, nationally and internationally through innovative research that is consistent with the mission, vision and values of the Baylor Scott & White Health

Researchers at Baylor Scott & White Health System are at the forefront of basic science and clinical development. Our efforts are often recognized in the medical community and often published in major scientific journals or presented at international medical meetings. Many of our researchers have been nationally recognized by third-party medical associations and awarded multi-million dollar grants from government agencies that support novel medical research.

17. (Arnold and Mabel) Beckman Foundation: Young Investigators in Life Sciences and Chemistry

Website Link: [www.beckman-foundation.com](http://www.beckman-foundation.com)  
Deadline(s): June – September (Letter of Intent)

Support Strategies: Chemistry and life sciences research  
Funding: $600,000 over the course of 4 years

Description: The Arnold and Mabel Beckman Foundation provides grants to researchers and non-profit research institutions in chemistry and life sciences to promote scientific discoveries, and particularly to foster the invention of methods, instruments, and materials that will open up new avenues of research.

Beckman SCHOLARS
A 15-month experience for exceptional undergraduate students – provides continuous support for a mentored research project over two summers and one academic year. Colleges and universities must be invited to apply.

PROGRAM INFORMATION PROGRAM TIMELINE

BECKMAN POSTDOCTORAL FELLOWS
Support for a three-year postdoctoral project, helping in the transition from mentored to independent research.

PROGRAM INFORMATION PROGRAM TIMELINE

Beckman YOUNG INVESTIGATORS
Four-year grants to the most promising and innovative faculty in the early stages of their academic careers.

PROGRAM INFORMATION PROGRAM TIMELINE

BECKMAN-ARGYROS AWARD IN VISION RESEARCH
Award to an individual who has made significant transformative breakthroughs in vision research. Awardees must be nominated by a mentor or colleague.

PROGRAM INFORMATION PROGRAM TIMELINE

18. Brain & Behavior Research Foundation

Website Link: [https://www.bbrfoundation.org/grants-prizes/grants](https://www.bbrfoundation.org/grants-prizes/grants)  
Deadline(s): Jan-Feb.

Support Strategies: Neurobiological Research Grants and prizes  
Funding: $35,000 one year or $70,000 two years $100,000 for 2 years

Description: NARSAD Grants are one of the highest distinctions in the field of mental health research. Many investigators go on to receive larger federal and private grants based on their NARSAD Grant projects. No other organization outside of the federal government has funded the number of mental health research grants that the Foundation has— or been responsible for more breakthroughs in the field.

The NARSAD Young Investigator Grant provides support for the most promising young scientists conducting neurobiological research. Two-year awards up to $70,000, or $35,000 per year are provided to enable promising investigators to either extend research fellowship training or begin careers as independent research faculty. Basic and/or clinical investigators are supported, but research must be relevant to serious brain and behavior disorders such as schizophrenia, mood disorders, anxiety disorders or child and adolescent mental illnesses.

The NARSAD Independent Investigator Grant provides support for investigators during the critical period between the initiation of research and the receipt of sustained funding. A two-year grant up to $100,000 or $50,000 per year is provided to scientists at the associate professor level or equivalent who are clearly independent and have won national competitive support as a principal investigator. Please note that an assistant professor who is a principal investigator on an NIH R01 grant is now eligible for the NARSAD Independent Investigator Grant. Basic and/or clinical investigators are supported, but research must be relevant.
to schizophrenia, major affective disorders, or other serious mental illnesses. The program is intended to facilitate innovative research opportunities.

**The NARSAD Distinguished Investigator Grant** provides support for experienced investigators (full professor or equivalent) conducting neurobiological and behavioral research. A one-year grant of $100,000 is provided for established scientists pursuing innovative projects in diverse areas of neurobiological research. Areas of particular interest to the Scientific Council's Selection Committee include patient populations with unique or unusual characteristics and central nervous system developments.

### 19. Breakthrough Prize in Life Sciences Foundation

**Website Link:** [https://breakthroughprize.org/](https://breakthroughprize.org/)

**Support Strategies:**
- Physics
- Biology
- Biochemistry
- Mathematics

**Funding**
- Breakthrough Prize in Physics - $3 million
- New Horizons in Physics Prize - $100,000
- Breakthrough Prize in Mathematics - $3 million
- New Horizons in Mathematics - $100,000
- Breakthrough Prize in Life Sciences - $3 million

**Description:** Knowledge is humanity’s greatest asset. It defines our nature, and it will shape our future. The body of knowledge is assembled over centuries. Yet a single mind can extend it immensely. Einstein reimagined space and time. Darwin distilled the chaos of life to a single idea. Turing figured out what it means to think. Great scientists enrich us all. They enable technologies that ease our lives, but they also show us what’s beyond our horizons. Science is revealing worlds far beyond the everyday scale, from the subatomic and cellular to the stellar and galactic. Increasingly we can think at these levels and trace the connections between them. And as we do, we are making progress on the truly big questions. Questions like:

- *Why is there something rather than nothing?*
- *What is the Universe made of?*
- *How did life begin?*
- *How can matter think?*
- *How much is knowable?*

The disciplines that ask the biggest questions and find the deepest explanations are the fundamental sciences. The Breakthrough Prizes honor important, primarily recent, achievements in the categories of Fundamental Physics, Life Sciences, and Mathematics. The prizes are sponsored by Sergey Brin, Priscilla Chan and Mark Zuckerberg, Pony Ma, Yuri and Julia Milner, and Anne Wojcicki. Committees of previous laureates choose the winners from candidates nominated in a process that’s online and open to the public. Laureates receive $3 million each in prize money. They attend a televised award ceremony designed to celebrate their achievements and inspire the next generation of scientists. As part of the ceremony schedule, they also engage in a program of lectures and discussions. Those that go on to make fresh discoveries remain eligible for future Breakthrough Prizes.

### 20. Burroughs Wellcome Fund

**Website Link:** [https://www.bwfund.org/programs-offered](https://www.bwfund.org/programs-offered)

**Support Strategies:** Research

**Funding:** Varies

**Description:** The Burroughs Wellcome Fund's grantmaking strategies support biomedical scientists at the beginning of their careers and areas of science that are poised for significant advancement but are currently undervalued and underfunded.

**Grant Programs**
- Ad Hoc Grants
- Biomedical Sciences
- Career Guidance
- Diversity in Science
- Infectious Diseases

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Last edited on November 2019

Provided by the Research Development

Stacey_L_Smith@baylor.edu X3252 or

Virginia_Kearney@baylor.edu X6833
• Institutional Programs
• Interfaces in Science
• Regulatory Science
• Reproductive Sciences
• Science Education

Career Awards at the Scientific Interface (CASI) provide $500,000 over five years to bridge advanced postdoctoral training and the first three years of faculty service. These awards are open to U.S. and Canadian citizens or permanent residents as well as to U.S. temporary residents.

The Collaborative Research Travel Grant (CRTG) program provides up to $15,000 in support for relatively unrestricted travel funds to academic scientists (faculty and postdocs) at U.S. or Canadian degree-granting institutions. Grants must be used for domestic or international travel to another lab to learn new research techniques or begin or continue a collaboration to address biomedical questions. Applicants with a doctoral degree in the physical, mathematical, or engineering sciences working on a biological problem are encouraged to apply. Conversely, proposals from biological scientists who desire to collaborate with a physical scientist, mathematician, or engineer are also encouraged to apply.

The Career Guidance for Trainees (CGT) program provides grants of $30,000 - $50,000 over a one-year period to support demonstration projects that will model affordable approaches to improving trainees’ readiness for stable, fulfilling careers, whether by clarifying and improving their basic “Ph.D.-level” skills, by helping them identify how they can best use their skills and interests to serve the needs of potential employers, by providing them approaches to thinking through their career options, or by other strategies.

Ad Hoc: To complement these competitive award programs, we also make modest grants on an "ad hoc" basis to nonprofit organizations conducting activities intended to improve the general environment for science. These noncompetitive grants are for activities closely related to our focus areas identified above.

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21. Communities Foundation of Texas: W.W. Caruth, Jr. Foundation Grants

Website Link: https://www.cftexas.org/caruth-foundation-grants

Deadline(s): See website

Support Strategies:
• Research

Funding: No established range, often awards multi-year, multi-million-dollar grants

Description: The goal of the W.W. Caruth, Jr. Foundation is to encourage nonprofits to be bold in pushing boundaries as they work to solve complex community issues in the fields of education, public safety, and scientific and medical research. The foundation embodies the entrepreneurial spirit of Mr. Caruth by helping empower organizations to take carefully planned, calculated risks as they undertake these challenges.

The Caruth Foundation deploys several unique grantmaking strategies toward its goal of creating transformational change in our community. These strategies include:
• A willingness and ability to make grants of significant size, often multi-million-dollar awards
• A willingness to be “first money in” and to take bigger risks in funding grant proposals
• Active efforts to encourage collaborative approaches to transformational projects
• A willingness to fund impact assessments and to use, when appropriate, the results to encourage scaling and sustainability efforts

Application to the W.W. Caruth, Jr. Foundation is a two-step process. The first step is to submit a brief letter of inquiry summarizing the proposed project and its potential match to the foundation’s funding priorities and grant guidelines. After initial review, the foundation will respond with a request for additional information, a request for a full proposal, or decline to pursue the funding request further.

LOI

Open call for small dollar, wide-breadth grants in 8 areas:
• Older Adults
• Human-Animal Connection
• Special Interest Funds
• Community Services
• Health
• Environment

Provided by the Research Development
Stacey_L_Smith@baylor.edu X3252 or
Virginia_Kearney@baylor.edu X6833
### 22. Damon Runyon-Rachleff Cancer Research Foundation

| Website Link: | https://www.damonrunyon.org/for-scientists  
https://www.damonrunyon.org/for-scientists/application-guidelines/innovation | Deadline(s): July |
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<tbody>
<tr>
<td><strong>Support Strategies:</strong></td>
<td>Cancer research</td>
<td><strong>Funding:</strong> The Stage 1 award will be for two years, $150,000 per year ($300,000 total) with the opportunity for up to two additional years of funding (up to four years total for $600,000)</td>
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</tbody>
</table>

**Description:** Award Programs

**Damon Runyon Fellowship Award**

Supports the training of the brightest postdoctoral scientists as they embark upon their research careers. This funding enables them to be mentored by established investigators in leading research laboratories across the country.

**OVERVIEW**

**APPLICATION GUIDELINES**

**CURRENT PROJECTS**

**Damon Runyon-Sohn Pediatric Cancer Fellowship Award**

The Damon Runyon-Sohn Pediatric Cancer Fellowship Award provides funding to basic scientists and clinicians who conduct research with the potential to significantly impact the prevention, diagnosis or treatment of one or more pediatric cancers.

**AWARD OVERVIEW**

**APPLICATION GUIDELINES**

**CURRENT PROJECTS**

**Damon Runyon Dale F. Frey Award for Breakthrough Scientists**

There are often a select few Damon Runyon and Damon Runyon-Sohn Fellows who have greatly exceeded the Foundation’s highest expectations. To catapult their research careers, the Foundation will make an additional investment in these exceptional individuals at the end of the Fellowship by selecting them as recipients of the Damon Runyon Dale F. Frey Award for Breakthrough Scientists.

**OVERVIEW**

**APPLICATION GUIDELINES**

**CURRENT PROJECTS**

**Damon Runyon Clinical Investigator Award**

The Damon Runyon Clinical Investigator Award supports early career physician-scientists conducting patient-oriented research. The goal of this innovative program is to increase the number of physicians capable of moving seamlessly between the laboratory and the patient’s bedside in search of breakthrough treatments. Damon Runyon Clinical Investigators are eligible to apply for Continuation Grants in the final year of their award.

**Overview**
APPLICATION GUIDELINES

CURRENT PROJECTS

Damon Runyon-Rachleff Innovation Award
The Damon Runyon-Rachleff Innovation Award supports the next generation of exceptionally creative thinkers with “high-risk/high-reward” ideas that have the potential to significantly impact our understanding of and/or approaches to the prevention, diagnosis or treatment of cancer but lack sufficient preliminary data to obtain traditional funding.

OVERVIEW

APPLICATION GUIDELINES

CURRENT PROJECTS

Damon Runyon Physician-Scientist Training Award
Supports and encourages outstanding physicians to pursue cancer research careers by providing them with the opportunity for a protected research training experience under the mentorship of a highly qualified and gifted mentor.

OVERVIEW

APPLICATION GUIDELINES

CURRENT PROJECTS

23. Discovery Institute
Website Link: https://www.discovery.org/
Deadline(s): Varies
Support Strategies: Role of science in culture
Funding: Varies
Description: Discovery Institute promotes thoughtful analysis and effective action on local, regional, national and international issues. The Institute is home to an inter-disciplinary community of scholars and policy advocates dedicated to the reinvigoration of traditional Western principles and institutions and the worldview from which they issued. Discovery Institute has a special concern for the role that science and technology play in our culture and how they can advance free markets, illuminate public policy and support the theistic foundations of the West. The Institute was founded by Bruce Chapman and George Gilder in 1991.

24. (John S.) Dunn Foundation
Website Link: www.johnsdunnfoundation.org
http://johnsdunnfoundation.org/grant-guidelines/
Deadline(s): April, July, and October
Support Strategies: Research
Funding: Varies
Description: The Foundation grants are limited to institutions in the State of Texas and the Foundation’s grants are generally approved for nursing programs, healthcare clinics for the underserved, mental health programs, and medical research and healthcare education in the Greater Houston area. A preliminary inquiry should be submitted in writing. If the project falls within the Foundation’s sphere of interests, the request for support will be placed on the Foundation’s agenda for consideration. Site visits may be conducted by staff or trustees, as deemed necessary by the Foundation.

If an applicant believes that more information would be helpful, supplemental material in narrative form may be submitted to provide further explanation and clarification. Such material may expand upon the request, regarding the nature, objectives, and activities of the organization, as well as the need to be met and the project or program designated to address that need.

The full Board of Trustees meets four times annually in January, April, July, and October at which time decisions are made to approve or disapprove the various grant proposals. Applicants whose proposals are approved for funding receive a Letter of Approval which outlines the terms and conditions of the grant. In some cases, an authorized official of the recipient organization signs and returns the letter to the Foundation, thereby indicating acceptance of those terms and conditions. Generally, the Foundation typically does not give multi-year grants; however, matching grants and collaboration are encouraged.

Please direct all correspondence and original proposals to:
25. ERF: Ed Rachal Foundation (Limited Submission)

Website Link: [http://www.edrachal.org/grant-guidelines/](http://www.edrachal.org/grant-guidelines/)

**Deadline(s):** Rolling deadlines

**Support Strategies:** Program support, Equipment acquisition, Science, and Education

**Funding:** Grants may be awarded for amounts different from what is requested. Most grants awarded are between $5,000.00 and $50,000.00

**Description:** The Mission of the Ed Rachal Foundation is established by the last will and testament of the Foundation’s benefactor. In his will dated June 2, 1964, the late Ed Rachal decreed, “... I devise and bequeath the rest and residue of my estate of every kind and wheresoever situated real, personal and mixed, to such corporation to be used exclusively for the benefit of charitable, scientific, literary or educational purposes within the State of Texas.”

In keeping with this instruction, the Ed Rachal Foundation was created on July 29, 1965. This rather profound, albeit simple statement provides the mission pursued by the Foundation’s management staff and Board of Directors.

26. The Eppley Foundation for Research

Website Link: [http://fdnweb.org/eppley/](http://fdnweb.org/eppley/)

**Deadline(s):** September and March

**Funding:** $10,000 to $25,000

**Support Strategies:** Program development and Research

**Description:** The Eppley Foundation for Research was incorporated in 1947 for the purpose of “increasing knowledge in pure or applied science...in chemistry, physics and biology through study, research, and publication.” Particular areas of interest include innovative medical investigations, climate change, whole ecosystem studies, as well as research on single species if they are of particular significance in their environments, in the U.S. and abroad. The Foundation does not fund work that can qualify for funding from conventional sources such as the National Science Foundation or the National Institutes of Health, or similar agencies at the state level.

It is important to the Foundation that the work proposed be novel in its insights and unlikely to be underway elsewhere. The Foundation is prepared to take risks.

**Who may apply**

The Eppley Foundation supports advanced, novel, scientific research by PhDs or MDs with an established record of publication in their specialties. Candidates with newly awarded doctorates occasionally, but rarely, meet the Foundation’s requirements for advanced research. Any applicant to the Foundation must be associated with a nonprofit organization with headquarters or a branch office in the US to process the funds. Checks are not issued directly to individuals.

**LOIs and Proposals**

Letters of inquiry and grant proposals should be written in language clear to the layman. LOIs, not to exceed 1,000 words, should be received by September 15th or March 15th. Submissions in advance of those deadlines are encouraged. LOIs should specify the sum that will be requested. Invited grant proposals are considered during board meetings in December and June of each year. For invited proposals, due on October 15 or April 15, there is no page limit, but the proposal — as the LOI — is expected to be concise and incorporate clear statements of significance, objectives, novelty, methods, expectations of success, and why the researcher believes the work cannot reasonably expect federal support or support from other conventional funding sources. There should also be a discussion of the broader ramifications of your work once it is completed.
Notification of a successful application usually follows within two weeks of board meetings. A true emergency may be considered outside this schedule.

**Recent Past Grants**

$11,900, Natural History Museum of Los Angeles:
“Evolution and Paleobiology of Primitive Birds,” to study 100 Chinese fossils of the Mesozoic bird, Confuciousornis sanctus, which is at the crossroads of dinosaur-to-bird evolution.

$17,900, James Madison University:
“A systems biology approach to understanding an ecologically threatened river ecosystem in the Chesapeake Bay Watershed,” to sequence and investigate the impacts of increasing algal blooms.

$25,495, Drexel University:
“Erythritol sweetener as insecticide,” to explore the effectiveness of an insecticide that is not toxic to humans.

$24,000, College of the Atlantic
“Baleen whale survey” to explore the effectiveness of an insecticide that is not toxic to humans.

$28,290, New York Botanical Garden
“Laying the Foundation for Fern Genomics: Investigations in Marsilea Biology” to explore the effectiveness of an insecticide that is not toxic to humans.

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**27. Gates Foundation**

**Website Link:** [https://www.gatesfoundation.org/How-We-Work/General-Information/Grant-Opportunities](https://www.gatesfoundation.org/How-We-Work/General-Information/Grant-Opportunities)  
**Deadline(s):** Varies

**Support Strategies:** Research  
**Funding:** $100,000 seed money for pilot, then more money if the program is seen to be effective

**Description:** Established in 1994 in WA as the William H. Gates Foundation - The William H. Gates Foundation, focused on global health, was created in 1994 by Microsoft co-founder William H. "Bill" Gates, III and his wife, Melinda French Gates. Three years later, he and Melinda created the Gates Library Foundation, which worked to bring public access computers with Internet connections to libraries in the United States. Its name changed to the Gates Learning Foundation in 1999 to reflect its focus on ensuring that low-income minority students are prepared for college and have the means to attend. In 2000, to increase efficiency and communication, the two organizations merged into the Bill & Melinda Gates Foundation.

Guided by the belief that every life has equal value, the Bill & Melinda Gates Foundation works to help all people lead healthy, productive lives. In developing countries, it focuses on improving people’s health and giving them the chance to lift themselves out of hunger and extreme poverty. In the United States, it seeks to ensure that all people—especially those with the fewest resources—have access to the opportunities they need to succeed in school and life. Grantmaking areas are: 1) Global Development: to help the world’s poorest people lift themselves out of hunger and poverty; 2) Global Health: to harness advances in science and technology to save lives in developing countries; and 3) U.S. Division: to improve U.S. high school and postsecondary education and support vulnerable children and families in Washington State. Grand Challenges is a family of initiatives fostering innovation to solve key global health and development problems. Each initiative is an experiment in the use of challenges to focus innovation on making an impact. Individual challenges address some of the same problems but from differing perspectives.

In 2008, we launched Grand Challenges Explorations to encourage even bolder approaches in specific areas. Anyone with a great idea can apply using a simple two-page online application; no preliminary data is required. Initial grants are for US$100,000, and successful projects have the opportunity to receive a follow-on grant of up to US$1 million.

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**28. (John Simon) Guggenheim Memorial Foundation**

**Website Link:** [https://www.gf.org/applicants/apply/](https://www.gf.org/applicants/apply/)  
**Deadline(s):** applications will be available in July

**Support Strategies:** Fellowships  
**Funding:** Varies, often intended to provide sabbatical leave

**Description:** Seeking to support established scholars, this award provides support for faculty in most fields although “Creative Arts” fellows United States Senator Simon Guggenheim and his wife established the John Simon Guggenheim Memorial Foundation in 1925 as a memorial to a son who died April 26, 1922. The
Foundation offers Fellowships to further the development of scholars and artists by assisting them to engage in research in any field of knowledge and creation in any of the arts, under the freest possible conditions and irrespective of race, color, or creed. The Foundation receives approximately 3,000 applications each year. Although no one who applies is guaranteed success in the competition, there is no prescreening: all applications are reviewed. Approximately 175 Fellowships are awarded each year, and most fellows are at the associate and professor level with numerous other awards, fellowships, and publications.

### 29. INNOCENTIVE Challenges

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<tr>
<th>Website Link:</th>
<th><a href="https://www.innocentive.com/ar/challenge/browse">https://www.innocentive.com/ar/challenge/browse</a></th>
<th>Deadline(s): Ongoing</th>
</tr>
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<tbody>
<tr>
<td>Support Strategies:</td>
<td>Variety of awards</td>
<td>Funding: Up to $100,000</td>
</tr>
<tr>
<td>Description:</td>
<td>Do you want to solve problems that matter? Sign up for InnoCentive to join our Solver network. After sign-up, you’ll have access to problems from a diverse set of corporations, public sector agencies, and non-profits from around the world – what we call ‘Seekers.’ Most challenges require solutions from STEM science, in particular: chemistry, physics, biology, and engineering. Some challenges are in education, communication science, and other disciplines. If your solution is chosen by a Seeker, you will receive an award. The average award amount for a Challenge is $20,000, but some offer awards of over $100,000. InnoCentive acts as an intermediary, protecting your intellectual property and insuring solutions are evaluated on merit alone.</td>
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<tr>
<td>Sample challenges:</td>
<td><strong>Novel Methods for Controlling Non-native Marine Species</strong>  <strong>Grunenthal Challenge: Restoring the Normal Function of Neurons After Intoxication by Tetrodotoxin (Fugu fish) or Similar Neurotoxins</strong>  <strong>Minimally Invasive Methods for Sampling Microbiome from Hair Follicles</strong>  ** Seeking a High-Temperature Resistant Method to Confer Water-Repellency to Glass**  ** The Perfect Microbead: Seeking a New Method to Produce Monodisperse Spherical Particles**  ** RUSAL Challenge: Usage of Petroleum Coke with Shot Coke Particles in Calcining and Anode Production**  ** Seeking an Alternative to Raw Wood for Packaging and Fastening of Cargoes in Sea Transportation**  ** AstraZeneca Challenge: Enhancing Therapeutic Delivery with Cell-Penetrating Peptides**  ** Ideas for Speech Recognition in Noisy Environments**</td>
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### 30. INTEL: Faculty Sponsorship

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<th>Website Link:</th>
<th><a href="https://www.intel.com/content/www/us/en/education/highered/university-research-programs.html">https://www.intel.com/content/www/us/en/education/highered/university-research-programs.html</a></th>
<th>Deadline(s): Varies</th>
</tr>
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<tbody>
<tr>
<td>Support Strategies:</td>
<td>Research</td>
<td>Funding: Varies</td>
</tr>
<tr>
<td>Description: <strong>Interest Areas</strong> Some of the critical research paths currently being explored by collaborative, university-based initiatives sponsored by Intel. They also give individual grants. <strong>Individual Faculty Grants</strong> Individual contract proposals are submitted to and approved by the Corporate Research Council (CRC) quarterly. <strong>For more information, contact:</strong> <a href="mailto:Higher.education@intel.com">Higher.education@intel.com</a></td>
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### 31. Johnson & Johnson (Limited Submission)

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<tr>
<th>Website Link:</th>
<th><a href="https://www.jnj.com/wistem2d">https://www.jnj.com/wistem2d</a></th>
<th>Deadline(s): internal application 8/14</th>
</tr>
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<tbody>
<tr>
<td>Support Strategies:</td>
<td>Engineering, Manufacturing and Design, Math, Science, Technology</td>
<td>Funding: $150,000 in funding and three years of mentorship from Johnson &amp; Johnson leaders as well as members of the Award’s Advisory Board</td>
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Provided by the Research Development  
Stacey_L_Smith@baylor.edu X3252 or  
Virginia_Kearney@baylor.edu X6833
**Description:** The Johnson & Johnson Scholars Award Program aims to fuel the development of female STEM2D leaders and feed the STEM2D talent pipeline by awarding and sponsoring women at critical points in their research careers, in each of the STEM2D disciplines: Science, Technology, Engineering, Math, Manufacturing, and Design.

**32. W.M. Keck Foundation (Limited Submission)**

| Website Link: [www.wmkeck.org](http://www.wmkeck.org) | Deadline(s): Internal application deadlines 5/6 and 11/6 |
| Support Strategies: | Funding: The average size and duration of grants vary by project and program area. Research grants range from $500,000 to $5 million and are typically $2 million or less. |
| • Research | |

**Description:** In recent years, the Foundation has focused on Science and Engineering Research; Medical Research; Undergraduate Education; Each of our grant programs invests in people and programs that are making a difference in the quality of life, now and for the future.

Supporting pioneering discoveries in science, engineering and medical research have been our mandate for a half-century. By funding the work of leading researchers, the establishment of unique laboratories and research centers, and the purchase of sophisticated instruments, we are laying the groundwork for breakthrough discoveries and new technologies that will save lives, provide innovative solutions to complex problems and add immeasurably to our understanding of life on Earth and our place in the universe.


**33. Kern Family Foundation**

| Website Link: [https://www.kffdn.org/](http://www.kffdn.org/) | Deadline(s): Varies |
| Support Strategies: Education, STEM, Entrepreneurship | Funding: Varies |

**Description:** The Foundation enriches American lives by promoting the value of work, developing the formation of good character, increasing educational achievement – particularly in science, technology, engineering and math – and instilling an entrepreneurial mindset, especially in undergraduate engineering students.

We intentionally focus on systemic change, rather than charity, by partnering with broad-impact, long-term programs that align with one or more of our focus areas:

1. **Forming Good Character**
2. **Providing Quality Education**
3. **Instilling an Entrepreneurial Mindset**
4. **Rediscovering the Value of Work**

**34. (G Harold and Leila Y.) Mathers Foundation**

| Support Strategies: | Funding: Individualized but Inside Philanthropy reports the gifts are just under 1 million per award; Another source said the grants were more like 150,000 to 200,000 per year |
| • Research | |

**Description:** Private foundation which seems to mostly give grants for research in the areas of molecular biology and other life science research. Check the list above of currently funded projects to see if your research would fit into the type this foundation funds. If so, you can apply by filling out a simple online form: [http://www.mathersfoundation.org/index.php/contact/](http://www.mathersfoundation.org/index.php/contact/)

They do tend to favor brain research and research done at big institutions, but they do fund a variety of programs.

1. **Step 1 – Initial Contact** – Contact the Mathers Foundation [here](http://www.mathersfoundation.org/index.php/policies/) to determine if your area of research would fall under the Foundation’s area of interest.
2. **Step 2 – Query**
3. **Step 3: Formal Proposal**

**Note from funder**
Due to the high volume of contact inquiries we receive, we are unable to send individual responses to every request. If we are interested in hearing more about your proposed research, we will contact you within 2 weeks to invite you to proceed to Step 2 (Query). If you do not hear from us in 2 weeks, we are unfortunately unable to support the project.

**Here are press releases from the foundation which talks about current research:**
http://www.pressreleasepoint.com/g-harold-and-leila-y-mathers-charitable-foundation

**For more insight on this foundation, read:**
https://www.insidephilanthropy.com/grants-for-scientific-research/g-harold-leila-y-mathers-charitable-foundation-grants-for-sc.html

**OVERVIEW:**
This low-key, low-infrastructure foundation gives entirely to research projects in the life sciences. Starting as a private foundation of a married couple, it is in part entrusted to three brothers and one brother’s son, and its philanthropy is controlled by a set of New York-based advisers.
As for the actual projects Mathers funds, the foundation doesn’t go out of its way to explain threads of support or even much detail on each project supported. But among its recent grantees, support has gone to areas including brain science, cancer research, cellular biology, behavior research, and genetic research, just to name a few. There aren’t a lot of specifics, but more information is available at the foundation’s lists of current projects and its funding history.


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### 35. Michelson Prizes from Human Vaccines Project

**Website Link:** [https://www.humanvaccinesproject.org/](https://www.humanvaccinesproject.org/)
[https://www.humanvaccinesproject.org/michelson-prize/](https://www.humanvaccinesproject.org/michelson-prize/)

**Support Strategies:** funding for early career faculty

**Funding:** $150,000

**Description:** The Michelson Prizes are scientific awards of $150,000 given annually to young investigators who are applying disruptive concepts and inventive processes to advance human immunology, vaccine discovery, and immunotherapy research across major global diseases.

The 2020 Michelson Prizes will focus on advances in human immunology to accelerate the development of more effective vaccines and immunotherapies. We will be looking for high-impact and highly innovative research that has the potential to be applied across many diseases and to significantly expand our understanding of the human immune system.

**Eligibility:** Applicants must be under 35 but do not have to be tenure-track faculty, doctoral students, postdocs and non-tenure track faculty are eligible.

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### 36. (James S.) McDonnell Foundation

**Website Link:** [https://www.jsmf.org/apply/grant-types.htm](https://www.jsmf.org/apply/grant-types.htm)

**Deadline(s):** Varies

**Funding:** Varies by program

**Support Strategies:**
- **Teachers as Learners** (5 years, $500,000 per year) Request for pre-proposals and open to multi-institutional teams (April)
- **Scholar award** $100,000 a year for 6 years by nomination only
- **Collaborative Award:** letter of inquiry, flexible length and budget
- **Postdoctoral Fellowship:** $200,000 for 2-3 years (date varies)

**Description:** In 2000 the James S. McDonnell Foundation (JSMF) announced new grantmaking guidelines for a new funding initiative: the 21st Century Science Initiative.
JSMF believes that private philanthropic support for science is most effective when it invests in the acquisition of new knowledge and in the responsible application of knowledge for solving the real-world problems. Applicants are encouraged to keep this in mind when preparing proposals.

Interested in applying for a grant? JSMF supports research and scholarship via review of proposals submitted in response to foundation-initiated programs and calls for proposals. Prior to submitting a request, please take a moment to review the Foundation’s funding policies.

JSMF currently provides funding for grants in three program areas. For a brief comparison of the award types offered in each program, please review the JSMF Programs comparison chart. Unsolicited requests that do not fit into a program area and are not research related are not funded.

Note: If you are unsure as to whether your proposal would qualify for funding by JSMF, please review the list of items the Foundation does not fund.

Understanding Dynamic and Multi-Scale Systems

For Postdoctoral Fellowships, proposals furthering the science of complex systems and/or proposals intending to apply complex system tools and models to problems where such approaches are not yet considered usual or mainstream are appropriate.

JSMF supports research in the brain sciences through its topical program Understanding Human Cognition. The Foundation recommends that researchers in the neurosciences not submit proposals to the Understanding Dynamic and Multi-Scale Systems RFAs. Typically, such proposals are unsuccessful.

37. Microsoft

Website Link: https://www.microsoft.com/en-us/research/academic-program/microsoft-azure-for-research/  

Support Strategies: Grants and cloud computing resources  

Funding: Varies  

Description: The Microsoft Azure for Research program awards cloud computing resources to researchers working on data-intensive projects, including those using the Microsoft Genomics service.

About

FAQ

The Microsoft Genomics for Research program awards Microsoft Azure cloud computing resources to researchers interested in testing and developing their own next-generation sequencing (NGS) pipelines using the Microsoft Genomics service. Microsoft Genomics is an easy-to-use, scalable cloud service for secondary analysis of genomes. The service is an optimized version of the Broad Institute’s best practices pipeline, BWA-GATK. Learn more about it at microsoft.com/genomics.

These awards are intended to drive exploration and discovery by providing an easy-to-use service for secondary analysis of genomes. Outputs can be easily integrated to external tertiary analysis tools, such as Microsoft R Server on HDInsight.

Application instructions

To qualify for our awards program, applicants must be affiliated with an academic institution. In addition to individual investigator projects, we are interested in projects that will support integrated analysis of genotypic and phenotypic data. Faculty, researchers, and Ph.D. graduate students are qualified to submit proposals for Azure awards. Masters-level and undergraduate students require a faculty project supervisor to submit their proposal.

Submit your proposal

Apply now for access to Azure cloud computing resources. Submitting a short proposal is simple, and you will receive a decision within four weeks. The project awards will start June 1, 2018, and will expire on December 31, 2018. Information included in your application will be reviewed only for RFP-related decisions.

- Length: Your proposal should be no longer than three pages.
- Language: Your proposal must be written in English.
- Title: Your proposal title must begin with “Microsoft Genomics for Research” to ensure that your proposal is considered for this award.
- Include:
A description of the project you are working on, how you will use the Microsoft Genomics service, why it is important, and how it can help transform the way we use genomic information to better understand health and disease.

Your resource requirement estimates (for example, storage requirements, number of genomes you aim to process) and how you will use any other Azure advanced analytics offering, if applicable.

Submission: Submit your proposal via the online application form.

FAQ: For more details about how to produce a good proposal, see our FAQ.

Microsoft Research provides a continuously refreshed collection of free datasets, tools, and resources designed to advance the state of the art of academic research in many areas of computer science, such as natural language processing and computer vision. In addition, you can browse datasets and apply for cloud-based compute cycles available under the Azure for Research program.

Your research could win a $25,000 grand prize!

The Cloud AI Research Challenge invites any researcher – from students to academics to employees of public and private organizations – to build AI applications on Microsoft AI services. Your application could win a US$25,000 grand prize, Learn more

**NSF Big Data Regional Innovation Hub Program**

Microsoft Research is proud to support the US-wide National Science Foundation’s (NSF) Big Data Regional Innovation Hubs (BD Hubs) program by awarding $3M in Microsoft Azure cloud computing credits.

NSF supports four regional hubs for data science innovation, called the BD Hubs, throughout the United States. The consortia are coordinated by top data scientists at a multitude of top universities around the country.

- To learn more and apply, please email the big data hub covering your region Northeast, South, Midwest, West

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**38. National Geographic Society**

Website Link: [https://www.nationalgeographic.org/grants/grant-opportunities/](https://www.nationalgeographic.org/grants/grant-opportunities/)

**Support Strategies:**
- Research

**Funding:**
- **Standard grants** are typically funded for less than US $30,000. We will consider requests for up to US $50,000.
- **Early Career grants** are typically funded for less than US $5,000. We will consider requests for up to US $10,000.

**Deadline(s):**
- Jan/July

**Description:** The National Geographic Society is a nonprofit scientific and educational organization that pushes the boundaries of exploration to further our understanding of our planet and empower us all to generate solutions for a more sustainable future.

Our explorers continue to push the boundaries of knowledge. To date, we’ve given out more than 13,000 grants to scientists and conservationists whose work is making a significant difference in the world. We support critical projects like the [Big Cats Initiative](https://www.nationalgeographic.org/grants/grant-opportunities/), which has helped stop more than 2,600 big cat mortalities in the wild, and the [Pristine Seas project](https://www.nationalgeographic.org/grants/grant-opportunities/), which has helped protect more than 5.2 million square kilometers of the ocean’s last wild places.

And with our planet’s future at stake, we’re focused on the guardians of that future: our children. Our [education programs](https://www.nationalgeographic.org/grants/grant-opportunities/) give teachers the tools they need to engage students of all ages, reveal our interconnected world, and inspire new generations of responsible citizens, explorers, and changemakers.

**The Human Journey Grant** focuses on learning more about who we are and what our future is on this planet. It supports projects in a range of fields that are helping us understand the origins and development of our species; how we modified and adapted to diverse landscapes across the globe; the evolution of cultures and societies; and the status of and trends in our cultural, linguistic, and genetic diversity. Recognizing that human society is currently out of balance with the natural world, this lens also seeks projects that propose solutions to mitigate this imbalance. The Human Journey supports innovative leaders in research, conservation, technology, education, and communication who will change human attitudes and behaviors to help protect the cultural and natural resources of this planet and secure our future.

**Questions:**

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Last edited on November 2019

Provided by the Research Development

Stacey_L_Smith@baylor.edu X3252 or

Virginia_Kearney@baylor.edu X6833
• How will your project advance our understanding of how our species evolved and migrated across the globe?
• What will your project tell us about past societies that is relevant to the present and future?
• How will your project reveal the status of human diversity on this planet, and address threats to that diversity?
• What will your project tell us about how human beings and human societies shape and are shaped by the environment around them?
• How will your project use innovations in technology, storytelling, and education that will inspire people to better understand and protect the cultural and natural resources of this planet, and work to make these resources more resilient?

Our Changing Planet comprises projects looking at a spectacular variety of ever-changing systems on land and in the sea. The dynamic ecosystems of the Earth and its ocean provide the energy, minerals, food, and water that sustain life on the planet, yet they are increasingly threatened by exploitation, mismanagement, and climate change. Because our remarkable species can also provide solutions to environmental problems, we must understand these processes to develop more informed decisions. This lens seeks to reduce negative impacts on ecosystems, Earth processes, and human societies by increasing knowledge and inspiring action to develop effective solutions. Our Changing Planet supports innovative leaders in conservation, education, research, storytelling, and technology who seek a deeper understanding of Earth and its systems, as well as those who seek practical solutions for conserving large natural spaces on land and in the sea to promote long-term sustainability.

Questions:
• How will your project advance our understanding of the geological and biological history of Earth, and how does this knowledge inform our present and future?
• How will your project reveal gaps in our knowledge of Earth and ocean ecosystems and processes (including climate, tectonics, and geohazards), and how can we use that knowledge to better inform decisions and protect human communities?
• What will your project tell us about better ways to manage and protect large natural spaces on land and in the sea?
• How will your project provide innovative insights into, or solutions for, mitigating carbon dioxide levels in the atmosphere?

How will your project use innovations in technology, storytelling, and education that will inspire people to better understand and protect the Earth, and work for a more sustainable future?

Uncovering Human Origins Grant:
The goal of this fund is to encourage more investigation of hominid evolution in Africa and Asia, with preference given to projects in relatively unexplored parts of those continents. Preference will also be given to applicants who are residents or citizens of the country of fieldwork as well as to projects with strong local capacity development components.

Priority will be given to projects that aim to do one or more of the following:
• Discover or explore new paleoanthropological fossil sites in Africa or Asia, particularly those in Central and West Africa and those in East, Southeast, South, and Central Asia
• Increase understanding of the biological, cultural, or ecological parameters of human origins in Africa or Asia
• Develop local capacity in human origins exploration in Africa or Asia. Applicants may request up to US $50,000, though grants are typically funded for less than US $30,000.

Up to 20 percent of the requested amount can be used as stipends for the applicant or team members (please see the How to Apply page for stipend eligibility requirements and other budgetary guidance). Projects focused around education or storytelling should explicitly state the plan for evaluating the impact of the work. On the application, please select “Human Origins” for the RFP.

39. National Fish and Wildlife Foundation
Website Link: [http://www.nfwf.org/whatwedo/programs/Pages/home.aspx](http://www.nfwf.org/whatwedo/programs/Pages/home.aspx)  Deadline(s): Varies

Provided by the Research Development Stacey_L_Smith@baylor.edu X3252 or Virginia_Kearney@baylor.edu X6833
Support Strategies: Biology and Environmental Science  |  Funding: Varies

Description: NFWF supports conservation efforts in all 50 states and U.S. territories. Our projects – more than 16,500 since our founding – are rigorously evaluated and awarded to some of the nation’s largest environmental organizations, as well as some of the smallest. We neither advocate nor litigate. Instead, NFWF focuses on bringing all parties to the table, getting results, and building a better future for our world. Financial commitments to our conservation mission since our founding now top $4.8 billion. NFWF provides funding on a competitive basis to projects that sustain, restore, and enhance our nation’s fish, wildlife, and plants and their habitats. Each of our initiatives has a business plan developed by scientists and other experts and approved by our Board of Directors. Grants are available to support the actions identified in the business plan. Additional programs support diverse projects for wildlife and habitat conservation across the country.

Search NFWF’s conservation programs and learn how to apply for a grant.

40. (William and Ella) Owens Medical Research Foundation

Website Link: no website, but see this link for information:  

Support Strategies: Research  |  Funding: Varies

Description: This foundation does not have a website, but they fund grants related to cancer being done in Texas. They tend to fund medical research facilities, but it might be worth contacting them to see if they are interested. Here is a bit of information:

The proposal should use the NIH format and required information. Application form required.

Contact by mail first:
William and Ella Medical Research Foundation  
8452 Fredericksburg Road, PMB# 197  
San Antonio, Texas 78229
(210) 698-2162

• The William and Ella Owens Medical Research Foundation awards grants to support research, causes, treatments, and prevention of a variety of diseases and disorders. The William and Ella Owens Medical Research Foundation awards grants for “original research on the cause, treatment or prevention of human diseases or disorders.” This includes basic and applied research, as well as clinical trials.

• This under-the-radar funder does not operate a website or have any formally paid staff members. However, it awards some relatively sizeable grants for the study of a variety of diseases including, but not limited to age-related macular degeneration, breast cancer, Alzheimer’s, type 1 diabetes, and Parkinson’s.

• Examination of the foundation’s most recent tax filings show that cancers appear to receive a good deal of funding attention. That said, Owens leaves plenty of funding room for other diseases and disorders.

• Grants range from around $50,000 to $100,000, and more often than not go to large medical institutions such as Memorial Sloan-Kettering and universities. A few smaller clinics and medical research facilities also make the Owens grant roster each year.

• The Owens Medical Research Foundation favors organizations in Texas. While this isn’t an exclusive rule, grant seekers in other states should keep this preference in mind when submitting an application.

• The foundation accepts unsolicited applications, with submission deadlines falling on July 1 of each year. Grantees should follow the National Institutes of Health application format for their funding requests.

41. PADI Foundation

Website Link: www.padifoundation.org  
Previous grants: http://www.padifoundation.org/assets/2018_Recipients.pdf  
Deadline(s): February
Support Strategies: Research in aquatic environments and education about the environment

Funding: Each year, the Foundation will consider proposals with budgets up to $20,000 although the average for proposals will be $5,000 to $10,000.

Description: The PADI Foundation encourages and supports research and education related to aquatic environments. The Foundation will fund and assist worthwhile projects that either:

- Enrich mankind’s understanding of aquatic environments and encourage sensitivity to and protection of ecosystems.
- Increase understanding of sports diving physics and physiology that will benefit the general diving public and add to the scientific understanding of man’s relationship and ability to survive in the underwater environment.
- Improve understanding of, and response to, hazards to humans and ecosystems related to climate change in coastal and ocean environments.

Since 1992, the Foundation has awarded almost $4.7 million to almost 900 projects. In 2018, there were over 400 grant applications of which 81 received grants aggregating $410,093. Each year, the Foundation will consider proposals with budgets up to $20,000 although the average for proposals will be on the order of $5,000 to $10,000. The Foundation will generally not fund overhead or other indirect expenses.

42. The Simons Foundation

Website Link: [https://www.sfari.org/](https://www.sfari.org/)

Deadline(s):
Rolling

Support Strategies: Autism Research; Mathematics and Physical Sciences

Funding: Varies

Description: SAFARI Autism Research

Since its launch in 2003, SFARI has supported over 400 investigators studying autism-related research in the U.S. and abroad.

Research projects include studies at the genetic, molecular, cellular, circuit and behavioral levels, in addition to clinical and translational studies.

- A list of SFARI investigators – current and past – can be [accessed here](https://www.sfari.org/investigators).
- A list of Funded Projects – including abstracts – can be [accessed here](https://www.sfari.org/funded-projects).
- Publications resulting from SFARI-funded studies and cohorts are [available here](https://www.sfari.org/publications).
- Research Highlights from a selection of SFARI-funded publications are [available here](https://www.sfari.org/highlights).

The Simons Foundation uses an electronic grants submission process. All interested grant applicants must submit their applications online through [proposalCENTRAL](https://www.proposalcentral.org/). For information on our current funding opportunities, go to the Grant Opportunities page. To avoid being rushed at deadline time, applicants are encouraged to register and complete a professional profile at [proposalCENTRAL](https://www.proposalcentral.org/). A [proposalCENTRAL helpline](https://www.proposalcentral.org/) is available for questions from applicants during normal business hours (8:30 a.m. - 6:00 p.m. EST, Monday to Friday).

For information about what kinds of studies SFARI funds, see: [https://www.sfari.org/funding-opportunities/sfari-autism-perspectives/](https://www.sfari.org/funding-opportunities/sfari-autism-perspectives/)

Mathematics and Physical Sciences Research

The Simons Foundation’s Mathematics and Physical Sciences (MPS) division invites applications for its Targeted Grants in MPS program.

Rationale

The program is intended to support high-risk theoretical mathematics, physics, and computer science projects of exceptional promise and scientific importance on a case-by-case basis.

Funding and Allowable Expenses

The Targeted Grant in MPS program provides funding for up to five years. The funding level and duration is flexible and should be appropriate based on the type of support requested in the proposal. There is no recommended or assumed funding level for this program.

Allowable expenses include:

- Up to one month of summer salary and related benefits per year for the PI and any Co-investigator(s).
• Domestic or international travel for the PI and Co-Investigator(s).
• Research equipment, experiments, computations and other expenses directly benefiting the research.
• Salary support and related benefits, including tuition support, for staff/research scientists, postdoctoral fellows, and research associates, graduate students or undergraduate research assistants.

**Grants to Individuals**
- Simons Investigators
- Simons Fellows
- Collaboration Grants for Mathematicians
- Targeted Grants in MPS
- AMS-Simons Travel Grants

**Grants to Institutions**
- Simons Institute for the Theory of Computing
- Targeted Grants to Institutes
- NSF-Simons MathBioSys Initiative
- Africa Mathematics Project

**Conferences & Symposia**
- Conferences
- Symposia
- Lectures

**Simons Collaborations in MPS**
- Arithmetic Geometry, Number Theory, and Computation
- Cracking the Glass Problem
- Special Holonomy in Geometry, Analysis, and Physics
- The Nonperturbative Bootstrap

**Mathematical Modeling of Living Systems**
- Targeted Grants in MMLS
- Simons Investigators in MMLS

**Infrastructure**
- MAGMA (Software download)
- arXiv

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**43. (Alfred P.) Sloan Foundation (Limited Submission)**

**Website Link:** [http://www.sloan.org/](http://www.sloan.org/)  
[https://sloan.org/grants/apply](https://sloan.org/grants/apply)  
**Deadline(s):** Internal application deadline 7/1

**Support Strategies:**  
- Information and Referral
- Program evaluations
- Public engagement and education
- Regulation and administration
- Research
- Research and evaluation

**Funding**  
Varies dependent upon funding opportunity  
Sept. for Research Fellows

**Description:** The Alfred P. Sloan Foundation makes grants primarily to support original research and education related to **science, technology, engineering, mathematics, and economics.** The Foundation believes that these fields—and the scholars and practitioners who work in them—are chief drivers of the nation's health and prosperity. The Foundation also believes that a reasoned, systematic understanding of the forces of nature and society, when applied inventively and wisely, can lead to a better world for all.

**Sloan Research Fellowships**
Must be early career tenure-track faculty in **chemistry, computational or evolutionary molecular biology, computer science, economics, mathematics, neuroscience, ocean sciences, physics** or related field. 2-year fellowships to 126 researchers each year ($65,000)
Up to 3 candidates can be nominated by a department. Apply through the foundation’s portal: https://sloan.org/fellowships/apply

The Foundation awards approximately 200 grants per year (excluding the Sloan Research Fellowships), totaling roughly $80 million dollars in annual commitments in support of research and education in science, technology, engineering, mathematics, and economics

**Programs**

**Science**
- Economics
- Higher Education
- Digital Technology
- Public Understanding
- Working Longer
- Energy & Environment
- Initiatives
- Completed Programs

**Grants**
- Apply
- For Grantees
- Grants Database

**Sloan Research Fellowships**
- About
- Apply
- FAQ

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**44. Smithsonian Institution**

**Website Link:** Opportunities: [https://www.smithsonianofi.com/fellowship-opportunities/](https://www.smithsonianofi.com/fellowship-opportunities/)

**Application Deadlines:** [https://www.smithsonianofi.com/smithsonian-fellowship-application-deadlines/](https://www.smithsonianofi.com/smithsonian-fellowship-application-deadlines/)

**Support Strategies:** Fellowships, Research, and Evaluation

**Funding:** Varies

**Deadline(s):** Varies

**Description:** The Smithsonian Institutions have a wide variety of opportunities for research and study in any of the museums. The Smithsonian Opportunities for Research and Study (SORS) Guide is meant to help would-be researchers, students, fellows, interns, partnership-builders, and anybody else who is interested better navigate research and study opportunities at the Smithsonian.

If you’re looking for a mentor, adviser, collection, or another opportunity at the Smithsonian that matches your study and/or research goals — this is a great place to start.

Looking for a particular topic area? Click [here](https://www.smithsonianofi.com/smithsonian-fellowship-application-deadlines/) to open SORS as a pdf...search the whole document by any keyword.

**Research Associates** are senior experts in their field who maintain a formal scholarly affiliation with the Smithsonian. Their appointments last for three years but can be renewed. In some cases, Research Associates are given access to Smithsonian collections and facilities. In exchange, they bring their own outside expertise and knowledge to the Smithsonian for the increase and diffusion of knowledge to all.

With approval from a Smithsonian unit director, Research Associates are nominated by a member of the Smithsonian’s Research staff. Smithsonian Research Associate appointments are authorized by Smithsonian Directive SD-205, which can be seen [here](https://www.smithsonianofi.com/smithsonian-fellowship-application-deadlines/).

A list of Smithsonian’s Research staff can be found in the Smithsonian Opportunities for Research and Study (SORS). You can apply to most internships and fellowships using our online application system — SOLAA.
45. (John) Templeton Foundation


**Deadline(s):** Inquires in August, proposals in Jan.

**Support Strategies:** Research

**Funding:** Varies

**Description: Science & the Big Questions**

Sir John Templeton stipulated that most of the Foundation's resources would be devoted to research (and disseminating the results of research) about the "basic forces, concepts, and realities" governing the universe and humankind's place in the universe. What did he mean by "basic forces, concepts, and realities"? Sir John’s own eclectic list featured a range of fundamental scientific notions, including complexity, emergence, evolution, infinity, and time. In the moral and spiritual sphere, his interests extended to such basic phenomena as altruism, creativity, free will, generosity, gratitude, intellect, love, prayer, and purpose. These diverse, far-reaching topics define the boundaries of the ambitious agenda that the Foundation calls the Big Questions. Sir John was confident that, over time, the serious investigation of these subjects would lead humankind ever closer to truths that transcend the particulars of nation, ethnicity, creed, and circumstance.

46. UBiome (added 11/19)

Website Link: [https://ubiome.com/microbiome-grant-initiative/](https://ubiome.com/microbiome-grant-initiative/)

**Deadline(s):** 4/1, 7/1, 9-30

**UBiome challenge:** [https://challenge.ubiome.com/pages/home](https://challenge.ubiome.com/pages/home)

**Support Strategies:** provides microbiome kits and sequencing

**Funding:** microbiome kits

**Description:**

Eligibility: You are eligible to apply if you are a researcher (at any career level) at an academic institution, or other not-for-profit research institution or group, anywhere in the world.

Award Process

Your proposal will be reviewed by our team during our bi-monthly review sessions. If accepted, we will award all the kits necessary to complete your research project. Select projects will also receive support in study design, planning, analysis, and publication from our bioinformaticians and scientists trained at UCSF, Stanford, Harvard, and other top institutions. Click [here](https://ubiome.com/microbiome-grant-initiative/) to download application instructions and tips for writing your proposal.

Please email your proposal and CV or Biosketch to: researchpartnerships@ubiome.com. Contact us at researchpartnerships@ubiome.com with any questions or to set up a phone call to discuss your research interests further.

UBiome Challenge: The best ideas and research proposals may receive in-kind research support from uBiome.

Sample kits and sequencing services
Bioinformatics microbiome analysis services
Clinical research study consulting services

**What can I study with the microbiome?**

Just about any exposure may alter the microbiome: diets, exercise plans, medications, supplements, environments, procedures, etc.

**Generate key medical evidence on what you already do**

Does your unique approach to patient care have better outcomes than the standard of care? Find out if your success is rooted in the microbiome!

**Add on to existing study**

If you have an existing relevant study, often microbiome analysis can be added as another outcome.

**Who can submit?**

Any practicing clinician or researcher with at least one clinician as part of the team may submit. Students and trainees may submit a proposal with or without faculty but will need faculty support in order to accept an award.

47. Venture Well

Provided by the Research Development
Stacey_L_Smith@baylor.edu X3252 or
Virginia_Keamey@baylor.edu X6833
### 48. Water Environment and Reuse Foundation

**Website Link:** [www.werf.org](http://www.werf.org)  
**Deadline(s):** June and July

**Support Strategies:** Research in water quality and wastewater  
**Funding:**  
- $100,000 for Paul L. Busch Award  
- $500,000 for Unsolicited Research Grant

**Description:** The foundation provides a balanced water quality research program addressing current wastewater research needs and covering a broad range of water quality issues, including collection and treatment systems, watershed management, human health and environmental effects, and residual management.

WRF funds water quality research on behalf of its subscribers and facilitates collaboration among organizations seeking funding partners for high-priority issues. WRF awards funding through a competitive process, and coordinates funding under contract through a staff-assigned program manager. All qualified entities — including international organizations and disadvantaged business enterprises — are encouraged to submit research proposals.

- [View Open Requests for Proposals (RFPs)](http://www.werf.org)  
- [Advance Notice of RFPs to be Released](http://www.werf.org)  
- [Subscriber Priority Program](http://www.werf.org)  
- [Unsolicited Research Opportunities](http://www.werf.org)  
- [Preparing a Proposal](http://www.werf.org)  
- [Find out about the Paul L. Busch Award](http://www.werf.org)  
- [Preparing a Report](http://www.werf.org)  
- [Recently Awarded Contracts](http://www.werf.org)

From time to time, WRF partners with other organizations to support key funding opportunities. This helps to promote sound science that moves the water industry forward while eliminating duplication of research efforts.

### 49. The WhiteHall Foundation

**Website Link:** [http://www.whitehall.org/grants/](http://www.whitehall.org/grants/)  
**Deadline(s):** LOI: January 15, April 15, October 1  
Application: June 1, September 1, February 15

**Support Strategies:** neurobiology Research  
**Funding:** $30,000 to 75,000 a year

**Description:** The Foundation is currently interested in basic research in neurobiology, defined as follows: Invertebrate and vertebrate (excluding clinical) neurobiology, specifically investigations of neural mechanisms involved in sensory, motor, and other complex functions of the whole organism as these relate to behavior. The overall goal should be to better understand behavioral output or brain mechanisms of behavior.

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Provided by the Research Development  
Stacey_L_Smith@baylor.edu X3252 or  
Virginia_Kearney@baylor.edu X6833
**Research Grants**
Research grants are available to established scientists of all ages working at accredited institutions in the United States. Applications will be judged on the scientific merit and the innovative aspects of the proposal as well as on the competence of the applicant. Research grants of up to three years will be provided. A renewal grant with a maximum of two years is possible, but it will be awarded on a competitive basis. Research grants will not be awarded to investigators who have already received, or expect to receive, substantial support from other sources, even if it is for an unrelated purpose. Research grants normally range from $30,000 to $75,000 per year.

**Grants-in-Aid**
The Grants-in-Aid program is designed for researchers at the assistant professor level who experience difficulty in competing for research funds because they have not yet become firmly established. Grants-in-Aid can also be made to senior scientists. All applications will be judged on the scientific merit and innovative aspects of the proposal, as well as on past performance and evidence of the applicant’s continued productivity. Grants-in-Aid are awarded for a one-year period and do not exceed $30,000.

It is the Foundation's policy to assist those dynamic areas of basic biological research that are not heavily supported by Federal Agencies or other foundations with specialized missions. It does not support research into diseases that doesn’t also aim to provide insight into normal functioning.

The Foundation emphasizes the support of young scientists at the beginning of their careers and productive senior scientists who wish to move into new fields of interest. Consideration is given, however, to applicants of all ages. The chief criteria for support are the quality and creativity of the research as well as the commitment of the Principal Investigator (a minimum time allocation of 20% is required). The principal investigator must hold no less than the position of assistant professor, or the equivalent, in order to participate in the application process. The applicant need not be in a tenure-track position but must be an independent researcher and have Principal Investigator status at his/her institution, usually construed as having lab space independent of another Principal Investigator. The Foundation does not award funds to investigators who have substantial support (around $200,000) even for another purpose.