

The logo for the University of Maryland (UMD) is displayed in a red rectangular box. The letters 'UMD' are written in a bold, yellow, sans-serif font.A black horizontal banner with the words 'FUNDING ALERT' in white, bold, sans-serif capital letters. The word 'FUNDING' is significantly larger and bolder than 'ALERT'.

# FUNDING ALERT

## Notes

1. Weekly opt-in funding alert provided by the UMD-College Park Division of Research and [SSTI](#). Please feel free to forward this alert to colleagues.
2. If you have been forwarded this email and would like to receive this alert on a weekly basis, please fill out the following form: <http://go.umd.edu/fundingalert>.

## SSTI (October 11)

### New Funding Opportunities for TBED

#### Mitsubishi Electric America Foundation

##### Youth, veteran employment programs

The foundation invites proposals to support innovative projects that help youth with disabilities develop the leadership and employment skills they need to succeed. MEAF will also consider projects to create tools that help break down barriers to employment and increase job opportunities for young people with disabilities entering the workforce, including returning veterans with disabilities. Grants will be awarded in support of projects that present an innovative approach that leads to measurable employment outcomes for youth with disabilities; are national in scope, or model projects that have a definite plan for national dissemination and replication; support U.S. youth with disabilities as the main beneficiary, or young veterans with disabilities transitioning to civilian life; promote the full-inclusion of youth with disabilities alongside their peers without disabilities, and promote inclusive, competitive employment practices; and have a well-defined evaluation, dissemination, and replication plan.

##### **Awards:**

Multiple grants ranging between \$10,000 and \$100,000

##### **Eligibility:**

A means test for eligibility is available on the link below.

##### **Deadline:**

11/01/2022

**Links:**

<https://us.mitsubishielectric.com/en/about/local/csr/meaf/grant/guidelines/index.html>

## Small Business Administration

### Expansion of the Veterans Business Outreach Center network

The SBA is looking to expand the geographic service area covered by Veterans Business Outreach Center (VBOC) Program. The current opportunity is to fund 12 new centers in selected markets. Each VBOC will be expected to provide entrepreneurial training, business development assistance, counseling, and management assistance to small businesses owned and controlled by eligible veterans. The awards are a twelve-month base performance period, but may be extended up to four more years through continuation awards. Eligible organizations must already have a program supporting aspiring and existing veteran entrepreneurs. Existing VBOCs, SBDCs, Women's Business Centers and SCORE programs are ineligible but their host organizations *may* apply.

Proposals are sought from the following states and regions: Arkansas & Oklahoma (as one proposal), Alaska, Central California, Colorado, South Florida, Iowa & Nebraska (as one proposal), Kentucky, Nevada, Ohio, Pennsylvania, Puerto Rico, South Carolina.

**Awards:**

One award in each of 12 eligible state or regions from a pool of \$4.135 million. Award sizes are pre-set for each region or state.

**Eligibility:**

Nonprofit organization, local or state agency, private sector firm or institute of higher learning.

**Deadline:**

11/23/2022

**AwardsID(s):**

SB-OVVB-23-001

**Links:**

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=343965>

## New Federal R&D Funding Opportunities

### Department of Agriculture

#### Biotechnology Risk Assessment Research

The National Institute of Food and Agriculture invites proposals to support the generation of new information that will assist federal regulatory agencies in making science-based decisions about the effects of introducing into the environment genetically engineered organisms, including plants, microorganisms — such as fungi, bacteria, and viruses — arthropods, fish, birds, mammals and other animals excluding humans. Investigations of effects on both managed and natural environments are relevant. The BRAG program accomplishes its

purpose by providing federal regulatory agencies with scientific information relevant to regulatory issues.

**Awards:**

Multiple awards, ranging from \$25,000 to \$650,000, from a pool of \$5.5 million.

**Eligibility:**

Public or private research or educational institutions or organizations.

**Deadline:**

12/01/2022

**AwardsID(s):**

USDA-NIFA-BRAP-009504

**Links:**

<https://www.nifa.usda.gov/grants/funding-opportunities/biotechnology-risk-assessment-research-grants-program>

### **Specialty Crop Research Initiative**

The National Institute of Food and Agriculture invites applications to support research and extension that address key challenges of national, regional, and multi-state importance in sustaining all components of food and agriculture, including conventional and organic food production systems. Projects must address at least one of five focus areas:

- Research in plant breeding, genetics, genomics, and other methods to improve crop characteristics
- Efforts to identify and address threats from pests and diseases, including threats to specialty crop pollinators
- Efforts to improve production efficiency, handling and processing, productivity, and profitability over the long term (including specialty crop policy and marketing)
- New innovations and technology, including improved mechanization and technologies that delay or inhibit ripening
- Methods to prevent, detect, monitor, control, and respond to potential food safety hazards in the production efficiency, handling and processing of specialty crops.

**Awards:**

USDA anticipates having \$80 million available for multiple awards.

**Eligibility:**

Unrestricted domestically.

**Deadline:**

01/12/2023

**AwardsID(s):**

USDA-NIFA-SCRI-009502

**Links:**

<https://www.nifa.usda.gov/grants/funding-opportunities/specialty-crop-research-initiative>

**Department of Health and Human Services**

## **BRAIN Initiative Cell Atlas Network (BICAN): Comprehensive Center on Human and Non-human Primate Brain Cell Atlases**

Multiple NIH Institutes intend to support large-scale Comprehensive Center(s) that will adopt high throughput imaging technology platforms to create comprehensive and highly granular brain cell atlases of human and non-human primates with an emphasis on human. The Centers are expected to characterize all brain cell types (neurons, glia, and other non-neuronal cells) at high-resolution. The overarching goal of the BRAIN Initiative Cell Atlas Network (BICAN) is to build reference brain cell atlases that will be widely used throughout the research community, providing a molecular and anatomical foundational framework for the study of brain function and disorders.

In order to be considered responsive, research activities must include (but are not limited to) the following three units:

1. Human Brain Specimen Acquisition, Processing, and Characterization
2. Data Generation
3. Data Analysis and Management

Three separate funding opportunities are available and vary based on the structure of the research project (simple -- see RFA-MA-22-292 versus complex - see RFA-MH-22-290) or if resource purchase is required (see RFA-MH-22-291).

Up to 3 awards from a pool of \$30 million are anticipated for complex research projects; up to four awards from a pool of \$6 million for simple-structured research projects. Resource-Related Research Projects may see 1-3 awards from a pool of \$4 million.

### **Eligibility:**

Unrestricted

### **Deadline:**

02/01/2023

### **AwardsID(s):**

RFA-MH-22-290, RFA-MH-22-291, RFA-MH-22-292

### **Links:**

<https://grants.nih.gov/grants/guide/rfa-files/RFA-MH-22-290.html>, <https://grants.nih.gov/grants/guide/rfa-files/RFA-MH-22-291.html>, <https://grants.nih.gov/grants/guide/rfa-files/RFA-MH-22-292.html>

## **Centers of Excellence in Regulatory Science and Innovation**

The Food and Drug Administration is seeking applications to provide support for the Agency's Centers of Excellence in Regulatory Science and Innovation (CERSIs) to foster robust and innovative approaches to advance regulatory science. Regulatory science is the science of developing tools, standards, and approaches to assess the safety, efficacy, quality, and performance of FDA-regulated products, which include medical devices, drugs, biologics, combination products, veterinary medicine, food, cosmetics, dietary supplements, and tobacco products. In addition to the product areas that FDA regulates, FDA also aims to target cross-cutting areas that have the potential to transform how FDA-regulated products are

developed, evaluated, surveilled and used, such as digital health, artificial intelligence, data science, alternative methods, One Health, patient-centered outcomes, and behavior change/ social science.

FDA anticipates providing funding for additional research projects to be conducted in collaboration with the identified CERSI institution after the initial CERSI award of a cooperative agreement. These post-award research projects are intended to rapidly and proactively further the regulatory science efforts of FDA in response to public health needs that may not be known or identified at the time of the initial CERSI award.

**Awards:**

Multiple Awards are anticipated

**Eligibility:**

Unrestricted

**Deadline:**

12/22/2022

**AwardsID(s):**

RFA-FD-23-004

**Links:**

<https://grants.nih.gov/grants/guide/rfa-files/RFA-FD-23-004.html>

**Expanding education on skin lightening products**

The US Food and Drug Administration is accepting applications for research proposals that will contribute to data, education, and communication activities that support awareness for communities on the use of and potential risks from skin lightening products. This opportunity supports proposals that advance communication activities and supports awareness on the use of and potential risks from skin lightening products with community-based organizations with records of reaching out to communities, including efforts to 1) understand public perceptions about skin lightening products, 2) identifying information needed to make informed decisions, 3) understand key messages for communications.

**Awards:**

Two awards from a pool of \$500,000

**Eligibility:**

Unrestricted Domestically

**Deadline:**

12/05/2022

**AwardsID(s):**

RFA-FD-23-005

**Links:**

<https://grants.nih.gov/grants/guide/rfa-files/RFA-FD-23-005.html>

**Identify and Evaluate Potential Risk Factors for Amyotrophic Lateral Sclerosis**

The Centers for Disease Control and Prevention is seeking investigator-initiated research that will further the understanding of potential risk factors for Amyotrophic Lateral Sclerosis (ALS), while supporting the National ALS Registry mission. The National ALS Registry goals are to estimate the number of new ALS cases each year, estimate the number of people who have ALS at a specific point in time, better understand who gets ALS, and identify what contributing factors, including environmental, may affect ALS.

Option A is intended to support ALS risk factor research investigations that have an existing, well substantiated evidence base and would benefit from strengthened rigorous evaluation. Funding Option B is intended to support novel ALS risk factor research investigations that may or may not have an existing evidence base foundation base, may be supported by limited and insufficient preliminary research, and are exploratory and developmental in nature.

**Awards:**

8 awards from a pool of \$7.5 million

**Eligibility:**

Unrestricted

**Deadline:**

01/05/2023

**AwardsID(s):**

RFA-TS-23-001

**Links:**

<https://www.grants.gov/web/grants/view-opportunity.html?oppId=343085>

**Mentored Research Scientist Development Award**

The CDC National Center for Injury Prevention and Control (NCIPC) Mentored Research Scientist Development Award is to provide support for an intensive, supervised (mentored) career development experience in violence prevention research leading to research independence. NCIPC supports grants to help ensure the availability of an adequate number of trained scientists to address critical public health research questions to prevent violence and injury. Applicants must propose a research project that addresses at least one of the research priorities in the interpersonal violence prevention section of the NCIPC Research Priorities as they relate to violence impacting children or youth (from birth through age 17).

These research priorities include:

- Cross-cutting violence prevention;
- Adverse Childhood Experiences;
- Child abuse and neglect;
- Youth violence;
- Intimate partner violence (teen dating violence);
- Sexual violence.

Applicants are also encouraged to address the following: 1) Multiple forms of violence impacting children or youth; 2) Firearm-related behavior, crime, injuries and deaths among

children and youth; and 3) The social or structural conditions that contribute to violence and health inequities across population groups.

**Awards:**

Four awards from a pool of \$1.2 million.

**Eligibility:**

Unrestricted domestically.

**Deadline:**

01/04/2023

**AwardsID(s):**

RFA-CE-23-003

**Links:**

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=343049>

**NLM Research Grants in Biomedical Informatics and Data Science**

The National Library of Medicine (NLM) is inviting research projects focused on biomedical discovery and data-powered health, integrating streams of complex and interconnected research outputs that can be translated into scientific insights, clinical care, public health practices, and personal wellness. Research areas of interest to NLM include, but are not limited to: 1) Development of novel approaches enabling analysis and discovery at scale across biomedical domains and health care sectors, including those leveraging high-performance cloud computing and federated learning; and 2) Development and demonstration of innovative informatics methods and data science techniques for informing biological, clinical, public health, and social science research. Under this opportunity, NLM will support applications involving small, early-stage to Phase I clinical trials that are part of the evaluation component of the proposed research project.

**Awards:**

Multiple Awards are anticipated

**Eligibility:**

Unrestricted

**Deadline:**

02/05/2023

**AwardsID(s):**

PAR-23-034

**Links:**

<https://grants.nih.gov/grants/guide/pa-files/PAR-23-034.html>

**National Aeronautics and Space Administration**

**University Student Research Challenge**

The University Student Research Challenge seeks to challenge students to propose new ideas/concepts that are relevant to NASA Aeronautics. USRC will provide students, from accredited U.S. colleges or universities, with grants for their projects and with the challenge

of raising cost share funds through a crowdfunding campaign. The process of creating and implementing a crowdfunding campaign acts as a teaching accelerator - requiring students to act like entrepreneurs and raise awareness about their research among the public. The solicitation goal can be accomplished through project ideas such as advancing the design, developing technology or capabilities in support of aviation, by demonstrating a novel concept, or enabling advancement of aeronautics-related technologies. The project must be relevant to the Aeronautics Research Mission Directorate (ARMD) Strategic Implementation Plan [1] and address one of ARMD's six strategic thrusts as they affect aviation:

- Safe, Efficient Growth in Global Operations
- Innovation in Commercial Supersonic Aircraft
- Ultra-Efficient Subsonic Transports
- Safe, Quiet, and Affordable Vertical Lift Air Vehicles
- In-Time System-Wide Safety Assurance
- Assured Autonomy for Aviation Transformation

Proposals are limited to three pages. Cost sharing is required by the institution.

**Awards:**

Grants up to \$80,000 from a pool of \$800,000.

**Eligibility:**

all accredited U.S. institutions of higher education (e.g., universities, four-year colleges, community colleges, or other two-year institutions). Students must be currently enrolled (part-time or full-time) at the institution.

**Deadline:**

11/10/2022

**AwardsID(s):**

NNH21ZEA001N-USRC2

**Links:**

<https://nspires.nasaprs.com/external/solicitations/summary.do?solId={D16ABBC0-54D7-F56F-30D8-ED5C2A38D961}>

## National Science Foundation

### New topics sought for Emerging Frontiers in Research & Innovation Program

NSF is circulating a "Dear Colleague" letter inviting the broad research community to submit suggestions for topic ideas to be considered for the FY 2024/25 Emerging Frontiers in Research and Innovation (EFRI) Program Solicitation. Suggestions for EFRI Topic Ideas are currently solicited and vetted every two years. Selected topics are then incorporated into future EFRI funding opportunities.

The EFRI Program is the signature activity of the Office of Emerging Frontiers and Multidisciplinary Activities (EFMA) in the Directorate for Engineering. The EFRI Program aims to focus the engineering community on important emerging areas in a timely manner. EFRI evaluates, recommends, and funds interdisciplinary initiatives at the emerging frontiers of engineering research and innovation. These transformative opportunities may lead to new



research directions and/or new industries or capabilities that result in a leadership position for the country; and are expected to result in significant progress on a recognized national or societal need, or grand challenge.

EFRI invests in high-risk multidisciplinary opportunities with high-potential payoff and substantive potential for societal impact. Its role is to support research areas that would not fit within the scope of an existing program. These frontier ideas push the limits of engineering knowledge and are often at the intersection of multiple fields.

Candidate topic ideas, including a 500-word description, may be submitted before October 31, 2022, at: <https://www.surveymonkey.com/r/efritopicideasFY2024>.

**Awards:**

none -- information gathering only

**Eligibility:**

Unrestricted

**Deadline:**

10/31/2022

**AwardsID(s):**

NSF 22-130

**Links:**

<https://www.nsf.gov/pubs/2022/nsf22130/nsf22130.jsp>

**Social, Behavioral, and Economic Sciences Postdoctoral Research Fellowships**

The Directorate for Social, Behavioral and Economic Sciences (SBE) offers Postdoctoral Research Fellowships to encourage independence early in the fellow's career by supporting his or her research and training goals. The research and training plan of each fellowship must address important scientific questions within the scope of the SBE directorate and the specific guidelines included in the announcement. This particular fellowship program offers two tracks: 1) Fundamental Research in the SBE Sciences; and 2) Broadening Participation in the SBE Sciences. Detailed descriptions of each are included in the program materials.

**Awards:**

20 awards from a pool of \$3 million.

**Eligibility:**

Proposals must be submitted by the individual and not the host institution.

**Deadline:**

01/10/2023

**AwardsID(s):**

NSF 23-500

**Links:**

[https://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=nsf23500](https://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf23500), <https://www.grants.gov/web/grants/view-opportunity.html?oppld=343980>

# New Foundation R&D Funding Opportunities

## American Gastroenterological Association

### Gastroenterological Research Scholar Award

The AGA Research Foundation Research Scholar Award (RSA) supports early-career investigators working toward independent and productive research careers in digestive diseases by ensuring that a major proportion of their time is protected for research (i.e., a minimum of 50 percent effort dedicated to the proposed project). The award will support junior faculty (not fellows) who have demonstrated exceptional promise and have some record of accomplishment in research.

#### Awards:

Four awards up to \$100,000 for projects lasting up to three years

#### Eligibility:

Applicants for this award must hold an MD, PhD and/or equivalent degree (e.g., MBChB, MBBS, DO), and a full-time faculty or equivalent position at an institution in North America.

#### Deadline:

11/09/2022

#### Links:

<https://gastro.org/research-and-awards/apply-for-awards/award/aga-research-scholar-award-rsa/>

## Biogen

### Medical education grants

Biogen's Grants Management & Strategic Giving Office stewards the biotechnology company's global grant and giving strategy to catalyze scientific innovation, address unmet patient needs, and advance medical and disease education. The office invites applications for its Medical Education grants program, which will award grants to qualified institutions or organizations supporting independent medical and educational activities for healthcare professionals and researchers. Medical education may be accredited or non-accredited. Biogen considers requests in multiple sclerosis and spinal muscular atrophy. Medical education may be accredited or non-accredited.

#### Eligibility:

Biogen has a list of eligibility criteria on the link below.

#### Deadline:

11/01/2022

#### Links:

<https://grantsandgiving.biogen.com/content/gma-grants-office/en/us/grants.html>

## Parkinson's Foundation

### Parkinson's Research Impact Awards

Impact Awards are designed for researchers both established and new to the field of PD. Projects should be "outside the box" with the goal of bringing new light to the biology of Parkinson's, a new approach to Parkinson's research, or testing a truly novel therapeutic idea. Projects should be based on unconventional ideas that are unlikely to be funded through more traditional funding mechanisms

**Awards:**

Awards up to \$150,000 for projects lasting up to 18 months.

**Eligibility:**

Scientists with a PhD or MD, regardless of nationality or location. Only independent investigators are welcome to apply.

**Deadline:**

11/04/2022

**Links:**

<https://www.parkinson.org/advancing-research/for-researchers/awards-independent-investigators#ImpactAwards>

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