

UMD

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 (April 19)

New Funding Opportunities for TBED

Department of Commerce

FY 2022 Build to Scale

Supports technology-based economic development initiatives that invest in regional economies through scalable business startups to accelerate high quality job growth, create more economic opportunities, and support the future of the next generation of industry leading companies. There are two separate funding tracks available as follows:

1. **Venture Challenge** seeks to support high-growth, technology-centric entrepreneurship to stimulate innovation, increase economic prosperity, and create high-skill, high-wage jobs; and
2. **Capital Challenge** increases access to entrepreneur-ready, equity-based capital by providing operational support for early-stage investment funds, angel networks, and investor training programs.

Awards:

Multiple awards of up to \$750,000 each

Eligibility:

Restricted to domestic public organizations and partnerships

Deadline:

06/13/2022

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=339481>

MBDA Business Center Program

Establishes Minority Business Development Agency (MBDA) Business Centers will facilitate the growth and job creation in minority business enterprises in their locales by providing expert technical assistance to minority business enterprises. These programs align with the MBDA's strategic mission goals to support minority business enterprises (MBEs) and the Administration's strategic priority to advance racial equity and support for underserved communities through the Federal government.

Awards:

Up to six awards of a combined total of \$21 million

Eligibility:

Please see the following link for detailed eligibility information.

Deadline:

06/05/2022

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=339565>

New Federal R&D Funding Opportunities**Department of Defense****Proof of Concept for Smart Sensors to Reduce Solid Waste**

Seeks research and technical support for smart sensor design and fabrication of smart sensors to track real-time weights in interior waste containers at two military Installations. Support is also sought for statistical analyses of data results. Study design and study sites will be decided based upon input from selected Installations, ERDC-CERL, Sponsoring Agency, and CESU partners.

Awards:

One award of \$200,000

Eligibility:

Restricted to partners of the South Florida – Caribbean CESU

Deadline:

06/13/2022

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=339493>

Department of Health and Human Services**Comprehensive Alcohol Research Centers**

Establishes Alcohol Research Centers to provide leadership in conducting and fostering interdisciplinary, collaborative research on a wide variety of topics relevant to the Institute's mission. These topics include, but are not limited to: the nature, etiology, genetics, epigenetics, diagnosis, epidemiology, treatment, and prevention of alcohol misuse, alcohol use disorder, alcohol-related end organ diseases and their biomedical, neurochemical, behavioral, psychosocial, and economic consequences across the lifespan and racial/ethnic groups and other health disparity populations.

Awards:

Up to two awards with a combined total of \$4 million

Eligibility:

Unrestricted domestically

Deadline:

11/15/2022

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-AA-22-002.html>

Cystic Fibrosis Research and Translation Centers

Supports both basic and clinical research on Cystic Fibrosis. CF Research and Translation Core Centers support three primary research-related activities: Research Core services; a Pilot and Feasibility program; and an Administrative Core with an enrichment program.

Awards:

Up to three awards with a combined total of \$2.3 million

Eligibility:

Unrestricted domestically

Deadline:

07/28/2022

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-DK-22-011.html>

Imaging, Biomarkers and Digital Pathomics for the Early Detection of Premetastatic Cancer and Precancerous Lesions Associated with Lethal Phenotypes

Supports the development of state-of-the-art projects that integrate imaging, biomarkers, digital pathomics, glycomics, metabolomics, other omic information and/or meta data obtained from platforms including but not limited to lower resolution diagnostic acquisitions and systemic biomarker results to high resolution single-cell analytics / imaging applied to the characterization of heterogeneous cell populations within tumor for improving current approaches for: (1) the early detection of organ confined premetastatic aggressive cancer, and, (2) identifying precancerous lesions associated with the development of a subsequent lethal phenotype.

Awards:

Multiple awards of negotiable amounts

Eligibility:

Unrestricted

Deadline:

10/05/2022

Links:

<https://grants.nih.gov/grants/guide/pa-files/PA-22-131.html>

IND-enabling Studies of Somatic Genome Editing Therapeutic Leads

Supports team-based research Projects to accelerate further optimization and development of genome editing-based therapeutic leads towards IND-enabling studies and an IND (Investigational New Drug) application submission to the U.S. Food and Drug Administration (FDA).

Awards:

Up to five awards with a combined total of \$25 million

Eligibility:

Unrestricted domestically

Deadline:

07/19/2022

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-RM-22-015.html>

Innovative Multi-Level Approaches and Strategies to Prevent, Test and Treat HIV in Primary Care Settings in Health Disparity Populations in Geographic Hot Spots in the U.S.

Supports research projects that examine innovative approaches and strategies to prevent, test and treat HIV among health disparity populations or subgroups within primary care settings located in geographic areas with a high rate of new infections in the United States.

Awards:

Up to four awards with a combined total of \$3 million

Eligibility:

Unrestricted domestically

Deadline:

08/15/2022

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-MD-22-009.html>

Limited Interaction Targeted Epidemiology: Viral Suppression

Seeks applications from investigators to enroll large, digitally-maintained cohorts of people with HIV-1 (PWH) in the United States who are not adequately virally suppressed. Applicants will need to employ sampling strategies that ensure meaningful enrollment of participants who report prior gaps in HIV care engagement and/or lack of sustained viral suppression.

Awards:

Up to four awards with a combined total of \$4.6 million

Eligibility:

Unrestricted domestically

Deadline:

08/03/2022

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-AI-22-024.html>

NEI Cooperative Agreement for Early-Stage Clinical Trials with Greater than Minimal Risk

Supports investigator-initiated early-stage clinical trials that are greater than minimal risk and typically are Phase I or II trials. The risk level of the U01 trial requires appropriate performance oversight and safety monitoring. For purposes of this FOA, the proposed study must be intended to evaluate interventions aimed at screening, diagnosing, preventing, or treating vision disorders.

Awards:

Multiple awards of negotiable amounts

Eligibility:

Unrestricted

Deadline:

05/24/2022

Links:

<https://grants.nih.gov/grants/guide/pa-files/PA-22-149.html>

NIH Director's Pioneer Awards

Supports individual scientists of exceptional creativity who propose highly innovative research projects with the potential to produce a major impact on broad, important areas relevant to the mission of NIH. For the program to support the best possible researchers and research, applications are sought which reflect the full diversity of the nation's research workforce.

Awards:

Up to seven awards with a combined total of \$8 million

Eligibility:

Unrestricted domestically

Deadline:

09/09/2022

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-RM-22-018.html>

Pilot Projects Investigating Understudied G Protein-Coupled Receptors, Ion Channels, and Protein Kinases

Supports pilot projects on IDG-eligible understudied proteins (non-olfactory GPCRs, protein kinases, and ion channels) in order to study them beyond what the IDG's Centers can accomplish and to validate and demonstrate the utility of IDG-generated reagents, data, and approaches.

Awards:

Up to 12 awards with a combined total of \$1 million

Eligibility:

Unrestricted domestically

Deadline:

07/15/2022

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-RM-22-024.html>

Platform Clinical Trials of Genome Editors in Multiple Diseases

Supports projects that propose a novel genome editing clinical trial that includes at least two different diseases, using the same genome editor, route of administration, and delivery system.

Awards:

Two awards with a combined total of \$10 million

Eligibility:

Unrestricted domestically

Deadline:

07/19/2022

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-RM-22-017.html>

Research Opportunities in Established Cancer Epidemiology Cohort Studies

Supports research in *established* cancer epidemiology cohort studies, defined as studies that have achieved their initial planned recruitment goal. Applications must include hypothesis-based research using data from an established cohort study and are expected to include support for cohort maintenance, continued follow-up, and sharing of the existing resources in addition to addressing research questions across the cancer control continuum.

Awards:

Multiple awards of negotiable amounts

Eligibility:

Unrestricted

Deadline:

07/29/2022

Links:

<https://grants.nih.gov/grants/guide/pa-files/PA-22-162.html>

Somatic Cell Genome Editing Program Translational Coordination and Dissemination Center

Supports the establishment of a Translational Coordination and Dissemination Center (TCDC) for the NIH Somatic Cell Genome Editing (SCGE) Consortium. The TCDC is expected to lead consortium-wide activities that facilitate intra-consortium collaborations and that support broad dissemination strategies for regulatory submission. The TCDC will develop a publicly available online platform for data collection and dissemination of consortium-wide activities including stewardship and preservation of data generated by SCGE in Phase I.

Awards:

One award of up to \$2 million annually for five years

Eligibility:

Unrestricted domestically

Deadline:

07/19/2022

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-RM-22-017.html>

Specialized Alcohol Research Centers

Supports a broad-based Alcohol Research Centers program to foster and conduct interdisciplinary, collaborative research on Alcohol Use Disorder (AUD), alcohol misuse and alcohol related problems, and other health related consequences across the lifespan.

Awards:

Up to five awards with a combined total of \$9 million

Eligibility:

Unrestricted domestically

Deadline:

11/15/2022

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-AA-22-001.html>

Technologies and Assays for Therapeutic Genome Editing INDs

Supports on the optimization and characterization of technologies and assays with the potential for utilization and adoption in regulatory submissions of genome editing therapeutics.

Awards:

Up to three awards with a combined total of \$2 million

Eligibility:

Unrestricted

Deadline:

07/19/2022

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-RM-22-014.html>

NASA

ROSES 2022: X-Ray Imaging and Spectroscopy Mission Guest Scientist Program

Supports XRISM Guest Scientists will participate in the analysis, interpretation, and publishing of the PV data for the target on which the investigation in the selected XGS proposal is focused. Access to the XRISM PV data for XGS awardees is limited to observations of this target and any ancillary data required to perform the analysis.

Awards:

Up to 20 awards with a combined total of \$2.5 million

Eligibility:

Please see the following link for detailed eligibility information.

Deadline:

07/21/2022

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=339586>

New Foundation R&D Funding Opportunities

Crohn's & Colitis Foundation

Senior Research Awards

Supports established researchers for research relevant to Inflammatory Bowel Disease (IBD) or Crohn's disease and/or ulcerative colitis. Specifically, the program supports projects in generating sufficient preliminary data to become competitive for funds from other sources such as the National Institutes of Health (NIH).

Letters of Intent are due May 5.

Awards:

Multiple awards of up to \$347,000 each

Eligibility:

Unrestricted domestically

Deadline:

05/05/2022

Links:

<https://www.crohnscolitisfoundation.org/research/grants-fellowships/senior-research-awards>

Cystic Fibrosis Foundation

Cystic Fibrosis Research

Supports research to understand the basic etiology and pathogenesis of cystic fibrosis. Specifically, the program supports efforts that will improve the understanding of disease pathogenesis, such as defects in airway defense, microbial adaptation to the CF lung, mucociliary clearance, airway hydration, and extrapulmonary manifestations of the disease.

Awards:

Multiple awards of up to \$300,000 each

Eligibility:

Unrestricted domestically

Deadline:

05/12/2022

Links:

<https://www.cff.org/sites/default/files/2021-11/Research-Grants-Policies-and-Guidelines.pdf>

Environmental Research & Education Foundation

Research Related to Sustainable Solid Waste Management Practices

Supports research to address all areas of integrated solid waste management, with a strong focus towards research that increased sustainable solid waste management practices. Research projects may focus on the following topics:

1. Waste minimization;
2. Recycling;
3. Waste conversion to energy, biofuels, chemicals or other useful products;
4. Strategies to promote diversion to higher and better uses (e.g. organics diversion, market analysis, optimized material management, logistics, etc.); and
5. Landfilling.

Pre-proposals are due May 2.

Awards:

Multiple awards of negotiable amounts

Eligibility:

Restricted to institutions of higher education and research institutes

Deadline:

05/02/2022

Links:

<https://erefdn.org/research-grants-projects/how-to-apply-for-grant/>

Gordon and Betty Moore Foundation

Research to Promote Excellence in Disease Diagnosis

Supports the development of innovative clinical quality measures that promote excellence in the diagnosis of three categories of disease: 1) acute vascular events; 2) infections; and, 3) cancer. The program currently prioritizes measures intended for use in the MIPS (Merit-based Incentive Payment System) and the MVP (MIPS Value Pathway), and applications that utilize Qualified Clinical Data Registries (QCDRs). However, interested applicants working on other types of quality measures and data sources are still encouraged to apply.

Awards:

Multiple awards of up to \$500,000 each

Eligibility:

Restricted to domestic non-governmental entities

Deadline:

05/06/2022

Links:

https://moore-patientcare.smapply.io/prog/request_for_proposals/

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