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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 (July 12)

New Federal R&D Funding Opportunities

Department of Agriculture

Establishing a USDA RIDGE Partnership for Food and Nutrition Assistance Research

The USDA Economic Research Service invites applications for a competitively awarded cooperative agreement to establish a research partnership to administer the Research Innovation and Development Grants in Economics (RIDGE) Program. The USDA RIDGE Partnership will:

1. Provide renewed focus on economic aspects of food and nutrition assistance research;
2. Stimulate innovative research on domestic food and nutrition assistance issues by providing small grants for new analyses of the USDA major food and nutrition assistance programs and food security.
3. Broaden the network and diversity of social scientists working to expand the understanding of the economic, nutrition, and health outcomes of participation in USDA's food assistance programs, as well as of the issues surrounding program implementation and delivery.

ERS anticipates that \$750,000 will be awarded in fiscal year 2022 to support this activity. If funding is available, the Research Partner could be asked to fund subsequent rounds of small grants in FY 2023 and FY 2024.

Awards:

A single award of \$750,000

Eligibility:

Restricted to public or private institutions of higher education.

Deadline:

08/08/2022

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=341855>

Department of Defense

Minerva Research Initiative's Defense Education and Civilian University Research Partnership

The Office of the Secretary of Defense (OSD) is interested in receiving applications for Minerva's DECUR Partnership. The DECUR Partnership aims to develop collaborative basic research partnerships between Professional Military Educational (PME) Institutions and Civilian Research Universities by supporting fundamental scientific research that improves the capacity of security-related basic social science research and education. Building upon the success of Minerva's university research awards, the DECUR Partnership aims to pair civilian university researchers with PME faculty to facilitate collaborative research in the fundamental understanding of the social and cultural forces shaping U.S. strategic interests globally. Minerva emphasizes questions of strategic importance to U.S. national security policy, and the DECUR partnership aims to increase the Department's intellectual capital in the social sciences and improve its ability to address future challenges and build bridges between the Department and the social science community. The Minerva program aims to promote research in specific areas of social science and to promote a candid and constructive relationship between DoD and the social science academic community.

Awards:

Six awards from a total pool of \$2 million.

Eligibility:

U.S. institutions of higher education

Deadline:

11/22/2022

AwardsID(s):

HQ003422NFOEASD04

Links:

<https://www.grants.gov/web/grants/view-opportunity.html?oppld=341717>

Department of Health and Human Services

Building in vivo Preclinical Assays of Circuit Engagement for Application in Therapeutic Development

The National Institute of Mental Health invites proposals to stimulate the development of *in vivo* assays to address translational gaps in treatment development for mental illnesses. Support will be provided for assay development efforts in animals that propose quantitative measures of neurophysiological and/or behavioral processes where there is reasonable

evidence to suggest that measure is a potential contributor to functional deficits of individuals with mental illnesses (e.g., cognitive function, impulsivity, motivation, etc.). The main emphasis must be on developing novel, clinically relevant measures as assays. While the neurophysiological or behavioral measures may not be innovative by themselves, their inclusion in a therapeutic development pipeline must be novel.

Awards:

Multiple Awards of up to \$250,000 per year

Eligibility:

Unrestricted (foreign and domestic entities are eligible)

Deadline:

10/05/2022

AwardsID(s):

PAR-22-170

Links:

<https://grants.nih.gov/grants/guide/pa-files/PAR-22-170.html>

Centers for New Epidemiological Cohort Study among Asian Americans, Native Hawaiians, and Pacific Islanders

Four NIH institutes collectively invites proposals to create a network of Clinical or Community Field Centers (CCFC), and a to establish a new population-based cohort study to address key population research gaps in the health of Asian Americans (AsA), Native Hawaiians, and Pacific Islanders (NHPI). This epidemiological cohort study will enable the enrollment, initial examination, and follow-up activities of a cohort of approximately 10,000 participants from multiple immigrant generations of ancestral Asian subpopulations, as well as, Native Hawaiians, and Pacific Islander subpopulations. Applications must also include plans for study participant recruitment and retention, scientific conduct of the study including a clinical examination, data collection, follow-up contacts, coordination with the CC and performance milestones for each phase.

Four to six CCFC cooperative agreement awards, lasting up to seven years each, may be made from a pool of \$16.4 million. Interested parties should use announcement RFA-HL-23-015 for more information. Proposals are due October 13, 2022.

For the single Coordinating Center, applicants should refer to RFA-HL-23-016. Coordinating center proposals are due Feb. 2, 2023.

An additional \$10.5 million is anticipated to be available across the seven years for co-funding collaborative research among the centers from partner NIH institutes.

Awards:

Four to seven awards.

Eligibility:

Unrestricted domestically

AwardsID(s):

RFA-HL-23-015, RFA-HL-23-016

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-HL-23-015.html>, <https://grants.nih.gov/grants/guide/rfa-files/RFA-HL-23-016.html>

Claude D. Pepper Older Americans Independence Centers

The National Institute on Aging invites to applications establish centers of excellence in geriatrics research and research education to increase scientific knowledge leading to better ways to maintain or restore independence in older persons. Applicants should identify an area of focus in which progress could contribute to greater independence for substantial populations of older persons and offer opportunities for education in aging research. Six examples of possible research focus areas are listed in the announcement.

Awards:

4 awards from a total funding of \$5.2 million in FY 2023

Eligibility:

Unrestricted Domestically

Deadline:

10/19/2022

AwardsID(s):

RFA-AG-23-017

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-AG-23-017.html>

Complex Integrated Multi-Component Projects in Aging Research

The National Institute on Aging invites applications that propose large-scale, complex research projects with multiple highly integrated components focused on a common research question relevant to aging. Such projects will likely involve an integrated multidisciplinary team of investigators within a single institution or a consortium of institutions. Resources and study expertise will be tightly coordinated across multiple sites or cores, such as: One or more coordinating centers; Clinical or study sites; or Specialized cores, such as for data management and analysis, measurement and phenotyping, animal models, etc.

Awards:

Multiple awards, lasting up to five years, may be made.

Eligibility:

Unrestricted Domestically

Deadline:

01/25/2023

AwardsID(s):

PAR-22-213

Links:

<https://grants.nih.gov/grants/guide/pa-files/PAR-22-213.html>

Countermeasures Against Chemical Threats Therapeutics Discovery and Development

Multiple NIH institutes collectively invite applications for the early-stage development of therapeutics to mitigate the adverse health effects resulting from toxic chemical exposure. Successful projects are expected to deliver at least one well-characterized therapeutic candidate. The candidate, including repurposing of therapeutics for other indications, will be a small molecule or biologic that is biologically active and synthetically feasible, where specificity, affinity, potency, target selectivity, pharmacokinetics/ pharmacodynamics, safety and post-exposure efficacy have been established.

Awards:

Multiple awards ranging up to \$450,000, depending on project phase.

Eligibility:

Unrestricted domestically

Deadline:

10/17/2022

AwardsID(s):

PAR-22-209

Links:

<https://grants.nih.gov/grants/guide/pa-files/PAR-22-209.html>

Impact of the Microbiome-Gut-Brain Axis on Alzheimer's Disease and Alzheimer's Disease-Related Dementias

The National Institute on Aging and the National Institute of Neurological Disorders and Stroke jointly invite applications for basic and translational research on the impact of the microbiome on Alzheimer's Disease and Alzheimer's Disease-Related Dementias (AD/ADRD). It includes, but is not limited to, microbiota from the oral cavity, stomach, intestine, and colon. Anticipated outcomes include a better understanding of the potential influence of the microbiome on AD/ADRD and more engagement of the AD/ADRD research community within this field of study.

Awards:

5 awards from total program funding of \$3.75 million.

Eligibility:

Unrestricted (foreign and domestic entities are eligible).

Deadline:

10/05/2022

AwardsID(s):

PAR-22-211

Links:

<https://grants.nih.gov/grants/guide/pa-files/PAR-22-211.html>

Novel Assays to Address Translational Gaps in Treatment Development

The National Institute of Mental Health invites research proposals to identify neurophysiological measures as potential assays for treatment development research. NIMH will support initial proof of concept studies aimed at identifying measures for potential

development as preclinical assays for evaluating potential new drug and device therapies and their targets. Data may also reveal assay measures where performance is dissimilar between preclinical animal species and humans, thus establishing a firm basis for limiting speculative extrapolations of preclinical animal findings to humans. Proposed assay measures are expected to have a reasonable likelihood of shared conservation of physiology and brain circuitry across healthy human controls and preclinical species.

Awards:

Multiple awards are anticipated, each lasting 1-3 years.

Eligibility:

Unrestricted (foreign and domestic entities are eligible)

Deadline:

10/21/2022

AwardsID(s):

PAR-22-169

Links:

<https://grants.nih.gov/grants/guide/pa-files/PAR-22-169.html>

Rapidly Assessing the Public Health Impact of Emerging Opioid Threats

The National Institute on Drug Abuse, in collaboration with the National Institute on Alcohol Abuse and Alcoholism and the National Center for Complementary and Integrative Health, invites applications for two funding mechanism to support research promoting the **rapid development of analytical methods and tools** to assess the prevalence of emerging illicit drugs and thereby understand their health impacts. The goal of RFA-DA-23-045 is for awardees to greatly reduce the cost of validated assay implementation and ensure the methods become standards at “sentinel” labs and clinical sites that employ them. Importantly, the initiative design builds in the flexibility to modify the target analytes over time to allow rapid responses to changing opioid threat condition NIDA intends to commit \$2.5 Million in FY23 to fund 3-5 awards through this solicitation.

For RFA-DA-23-46, NIDA and its NIH partners seek applications for multi-project RM1 **Opioid Use Disorder Quality Measurement and Management Research Centers** (OUD-QM2RCs). OUD-QM2RCs will involve researchers and a partner with a deployed or in-development quality measurement strategy for opioid use disorder treatment that rigorous, scientific research could substantially advance. NIDA anticipates 5-6 awards may be made from a total pool of \$12 million in FY23.

Eligibility:

Unrestricted Domestically

Deadline:

02/02/2023

AwardsID(s):

RFA-DA-23-045, RFA-DA-23-046

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-DA-23-045.html>, <https://grants.nih.gov/grants/guide/rfa-files/RFA-DA-23-046.html>

Regenerative Medicine Innovation Projects

NIH has issued three related funding opportunities seeking research applications furthering the field of regenerative medicine (RM) using adult stem cells. The differences in the announcements concern the nature of the projects and the type of NIH funding mechanism used. All three have the same deadline of October 6, 2022. Cost sharing is required for all three opportunities.

- **Investigator- Initiated Clinical Trials** (RFA-NH-23-017) propose highly innovative projects with a focus on solutions to widely-recognized issues in the development of safe and effective RM therapies. Of particular interest are projects using RM products that have undergone appropriate product development and pre-clinical studies and have demonstrated readiness to advance into clinical trials. Specifically sought are Phase I and beyond clinical trial applications that present a strong scientific rationale for the proposed clinical trial and a comprehensive scientific and operational plan. Three awards may be made.
- **Investigator- Initiated Studies** (RFA-NH-23-019) support innovative projects that propose solutions to widely recognized issues in the development of safe and effective RM therapies, contribute an enhanced understanding of stem cell product attributes, and promote data sharing. Emphasis will be given to projects that address critical issues in product development relevant for regulatory submissions. Areas of focus may include improved tools, methods, standards, or applied science that support a better understanding and improved evaluation of in-depth product characterization, manufacturing, potency, identity, quality, safety, *in vivo* function and integration, or effectiveness. Ten awards may be made.
- Up to ten awards may be made for **Clinical Trial Planning Grants** (RFA-HL-23-020). Before a research team undertakes a clinical trial, it is critical to have clear delineation and documentation of the trial's rationale, design, analytic techniques, protocols, and procedures in a Manual of Procedures (MOP). Additionally, there are other elements essential to the launching of a trial, such as obtaining regulatory authorizations or approvals and establishing agreements with requisite partners including cell manufacturing and production facilities, assay or cell analysis centers, and data coordinating centers. Applicants may use the RMIP Clinical Trial Planning Grant to support the preparation of a clinical trial MOP and procedures necessary for implementing a clinical trial to evaluate interventions (or new treatments) that explore and enable the evaluation of the safety and/or efficacy of RM interventions using adult stem cells that are not of embryonic or fetal origin.

Awards:

A total of \$8 million may be available to support awards across all three opportunities

Eligibility:

Unrestricted Domestically

Deadline:

10/06/2022

AwardsID(s):

RFA-HL-23-017, RFA-HL-23-019, RFA-HL-23-020

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-HL-23-017.html>, <https://grants.nih.gov/grants/guide/rfa-files/RFA-HL-23-019.html>, <https://grants.nih.gov/grants/guide/rfa-files/RFA-HL-23-020.html>

Transformative Brain Non-invasive Imaging Technology Development

Multiple institutes within NIH collectively invite proposals for team-centric development and validation of innovative non-invasive imaging technologies that could have a transformative impact on the study of brain function/connectivity. Successful applications are expected to turn a novel concept into a functional prototype. The feasibility should be established by the end of its first phase and serve as a foundation for the transition to its second phase. Fully developing the technology into a functional prototype and validating it by in-vivo animal or human function/connectivity imaging are anticipated in the second phase. Letters of intent are due at least 30 days before proposal submission.

Awards:

Four awards annually from a total pool of \$18 million.

Eligibility:

Unrestricted (foreign and domestic entities are eligible).

Deadline:

10/13/2022

AwardsID(s):

RFA-EB-22-001

Links:

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

National Science Foundation**Computational and Data-Enabled Science and Engineering in Mathematical and Statistical Sciences**

NSF invites proposals that engage with the mathematical and statistical challenges presented by (1) the ever-expanding role of computational experimentation, modeling, and simulation on the one hand, and (2) the explosion in production and analysis of digital data from experimental and observational sources on the other. The goal of the program is to promote the creation and development of the next generation of mathematical and statistical software tools, and the theory underpinning those tools, that will be essential for addressing these challenges. The research must aim to advance mathematics or statistics in a significant way

and will address computational or big-data challenges. Proposals submitted to this program will be accepted throughout the year.

Awards:

Up to 20 awards may be made from a total pool of \$5 million.

Eligibility:

Unrestricted

AwardsID(s):

PD-22-8069

Links:

<https://beta.nsf.gov/funding/opportunities/computational-and-data-enabled-science-and-engineering-mathematical-and>

Mathematical Biology

The Mathematical Biology Program supports research in areas of applied and computational mathematics with relevance to the biological sciences. Successful proposals must demonstrate mathematical innovation, biological relevance and significance, and strong integration between mathematics and biology. Some projects of interest to the Mathematical Biology Program may include development of mathematical concepts and tools traditionally seen in other disciplinary programs within the Division of Mathematical Sciences, e.g., topology, probability, statistics, computational mathematics, etc. Proposals submitted to this program will be accepted throughout the year.

Awards:

Up to 30 awards may be made.

Eligibility:

Unrestricted.

AwardsID(s):

PD-22-7334

Links:

<https://beta.nsf.gov/funding/opportunities/mathematical-biology>

New SBIR/STTR Funding Opportunities

Department of Health and Human Services

Research and Entrepreneurial Development Immersion: Entrepreneurial Small Business Transition Award

The National Institute on Aging invites SBIR and STTR Phase I and Fast Track proposals to support the transition of early-career scientists with an interest in entrepreneurship by simultaneously supporting their entrepreneurial development and facilitating their transition to industry. The award provides selected recipients the opportunity to support the hiring and salary of postdoctoral fellows and early-stage researchers as Principal Investigators/Program Directors (PIs/PDs) to increase their scientific research staff and support product development. Additionally, a major component of award is a strong focus on entrepreneurial

training, mentoring, and career development of the PD/PI. For SBIR proposals, use RFA-AG-23-029; STTR applicants should refer to RFA-AG-23-030.

Awards:

Four awards from a total pool of \$1.5 million.

Eligibility:

U.S. small business concerns

Deadline:

01/17/2023

AwardsID(s):

RFA-AG-23-029, RFA-AG-23-030

Links:

<https://grants.nih.gov/grants/guide/rfa-files/RFA-AG-23-029.html>, <https://grants.nih.gov/grants/guide/rfa-files/RFA-AG-23-030.html>

New Foundation R&D Funding Opportunities

Chan Zuckerberg Initiative

Dynamic Imaging

The Chan Zuckerberg Initiative invites applications for challenge grants in the field of dynamic imaging, with a goal to advance technology directed at real-time visualization of biological processes at the level of cells and molecules.

Part of CZI's Frontiers of Imaging effort, the long-term goal of this work is to drive technology development aimed at measuring cellular and molecular processes in real time in intact, living systems. Priority will be given to proposals for methods developed for imaging in intact tissues or primary cells rather than immortalized cell lines. This opportunity is specifically aimed at technology development; it is not intended to support question-driven basic or translational research, clinical trials, or drug development. Preliminary data is encouraged but not required.

Funds can be requested in one or more of the categories below:

- Validation and dissemination of new imaging technologies: Collaboration between technology developers and imaging scientists to test and validate new imaging systems and/or to adopt new imaging platforms at imaging cores.
- Building capacity: Developing frameworks (e.g. websites or coordinating organizations) that enable collaborations in the imaging community and online platforms to exchange methods, tools, and protocols.
- Training and education: Organizing in-person or online courses on imaging for biomedical researchers and train-the-trainers programs, implementing and adapting new media for training and education, and developing teaching materials or courses for researchers who are starting their careers as imaging scientists.

Awards:

Not specified in the published materials.

Eligibility:

Unrestricted (foreign and domestic entities are eligible).

Deadline:

09/08/2022

Links:

<https://chanzuckerberg.com/rfa/collaborative-projects-imaging/>

Damon Runyon Cancer Research Foundation

Damon Runyon-Rachleff Innovation Award for cancer research

The Foundation invites proposals to provide support for the next generation of exceptionally creative thinkers with “high-risk/high-reward” ideas that have the potential to significantly impact the understanding of and/or approaches to the prevention, diagnosis, or treatment of cancer. The award will provide funding to extraordinary early-career researchers who have an innovative new idea but lack sufficient preliminary data to obtain traditional funding. Research supported by the award must be novel, exceptionally creative, and, if successful, have a strong potential for high impact in the cancer field. Basic and translational/clinical projects will be considered. Applicants with a background in multiple disciplines are encouraged to apply, and joint submissions from two collaborators working in different disciplines will be considered.

Awards:

Two-year grants up to \$200,000/year.

Eligibility:

researchers in U.S. research institutions (U.S. citizenship not required)

Deadline:

06/05/2022

Links:

<https://www.damonrunyon.org/for-scientists/application-guidelines/innovation>

Hirshberg Foundation for Pancreatic Cancer Research

Pancreatic cancer research

The Seed Grant program funds research in the following areas: treatment/therapy, patient care, early diagnosis, detection, cancer biology, basic science, prevention/metabolism and research core facilities. The goals of the program are:

- To provide start-up funding for basic scientists and clinicians who intend to test innovative ideas for improving diagnosis and to develop new treatment modalities for pancreatic cancer.
- To obtain preliminary data required for additional funding from other agencies for pancreatic cancer research.
- To impact on the understanding of pancreatic cancer cell biology, biochemistry, physiology, morphology and response to therapy.
- To establish collaborations within the field for mutual projects that can be considered for further funding.

Awards:

Multiple one-year awards of \$40,000.

Eligibility:

Applicants must have an MD or PhD degree.

Deadline:

08/15/2022

Links:

<https://pancreatic.org/research/seed-grant-program/>

N. Joyce Payne Center for Social Justice

Social science research that advances racial equity

Created by the Thurgood Marshall College Fund to serve as a nexus in advancing social justice for Black Americans, the N. Joyce Payne Center for Social Justice invites proposals focused on social science research that advances racial equity in relation to topics such as housing, urban development, community investment, entrepreneurship, the racial wealth gap, economic mobility, infrastructure, transportation, and sustainability. Proposals for new research specifically related to the real estate industry and equity, such as equity in real estate investment, gentrification, affordable housing, real estate disparities in Black communities, and barriers that people of color face when entering the commercial real estate profession are particularly welcomed. This research should seek to highlight the disparities in the real estate industry including the housing market and the impact of those disparities, while pointing toward policy solutions that promote racial, economic, and social justice.

Awards:

A single award of \$50,000.

Eligibility:

Historically Black Colleges and Universities

Deadline:

08/15/2022

Links:

<https://paynecenter.org/hbcu-research-center-grants/>

Orthopaedic Research and Education Foundation

Orthopaedic Research

On July 18, OREF is opening three separate grant opportunities supporting orthopaedic research to improve function, eliminate pain, and restore mobility.

- The **Career Development Grant** provides \$300,000 over three years to encourage investigators to commit to scientific research. Research may be basic, translational, clinical and/or health services. Orthopaedic surgeons (MD, MBBS), PhDs and DVMs are eligible if affiliated with an orthopaedic department. Residents and fellows may apply only if they are able to demonstrate they will begin a staff position at the time the grant commences.

- **Prospective Clinical Research Grant** provides \$150,000 over three years to promote clinical research and provide funding for promising prospective studies (studies that occur over the course of time and typically track the outcomes of a group over that time) in the areas of high clinical importance in orthopaedic surgery. Eligibility is limited to orthopaedic surgeons. PhDs and DVMs are eligible if affiliated with an orthopaedic department. Residents and fellows may apply only if they are able to demonstrate they will begin a staff position at the time the grant commences.
- **OREF New Investigator Grant** provides two grants, each up to \$50,000, to advance the scientific training of the next generation of orthopaedic physician-scientists by providing seed and start-up funding for promising research projects. Eligibility is restricted to residents, fellows, and orthopaedic surgeons having completed formal training within the last four years may apply.

Letters of intent, required, are due August 18.

Awards:

Multiple awards across all three opportunities

Eligibility:

Varies by opportunity

Deadline:

08/18/2022

Links:

<https://www.oref.org/grants-and-awards/grant-programs/grant-program-information#career>

Simons Foundation

Genomics of autism spectrum disorders

The Foundation invites research applications intended to improve understanding of the molecular and cellular consequences of genetic risk for autism spectrum disorders (ASD), and to provide a foundation for the development of new therapies. Special emphasis is placed on the use of scalable methods, especially as applied to genes that are suitable targets for genetic therapies. Three focus areas are identified for this year's grant cycle:

1. Integrative Analyses of Multi-omic ASD Data
2. Functional Analysis of Associated Variants
3. Genetic Therapies

There are three budget tracks, depending on the scope of the project: an Explorer track of up to \$400,000 over a period of up to two (2) years; an Expansion track of up to \$1,500,000 over a period of up to three (3) years; and a Collaboration track of up to \$750,000 per lab over a period of up to three (3) years. All budget figures are inclusive of 20 percent indirect costs.

Eligibility:

Applicants and key collaborators must hold a Ph.D., M.D. or equivalent degree and have a faculty position or the equivalent at a college, university, medical school or other research facility.

Deadline:

08/18/2022

Links:

<https://www.sfari.org/grant/genomics-of-asd-pathways-to-genetic-therapies-request-for-applications>

W.M. Keck Foundation

Science, engineering and medical research

The foundation invites research proposals that seek to benefit humanity by supporting projects in two specific areas: 1) medical research and 2) science and engineering. Program priorities include: a focus on important and emerging areas of research; the potential to develop breakthrough technologies, instrumentation, or methodologies; projects that are innovative, distinctive, and interdisciplinary; those that demonstrate a high level of risk due to unconventional approaches or by challenging the prevailing paradigm; those that have the potential for transformative impact, such as the founding of a new field of research, the enabling of observations not previously possible, or the altered perception of a previously intractable problem; those not focused on clinical or translational research, treatment trials, or research for the sole purpose of drug development; and those that fall outside the mission of public funding agencies.

Awards:

Awards average \$2 million or less

Eligibility:

Research universities, medical schools, and independent research institutions

Deadline:

11/01/2022

Links:

<http://www.wmkeck.org/grant-programs/research>

New Challenges and Prize Competitions

Department of Energy

Solar District Cup Class of 2022-2023

The Solar District Cup challenges multidisciplinary student teams to design and model distributed energy systems for a campus or urban district. These systems integrate solar, storage, and other technologies across mixed-use districts, or groups of buildings served by a common electrical distribution feeder. The competition engages students in engineering, urban planning, finance, and related disciplines to reimagine how energy is generated, managed, and used in a district.

The Class of 2022-2023 competes from August 2022 to April 2023. Student teams design and model optimized distributed energy systems for their assigned district use case. The rules will be released August 23; an informational webinar will be held August 25. Class registration closes October 6.

Eligibility:

Classes of college students

Deadline:

10/06/2022

Links:

<https://www.energy.gov/eere/solar/solar-district-cup-class-2022-2023>, <https://www.herox.com/SolarDistrictCup>

Department of Health and Human Services

Endocrine-Disrupting Chemicals Innovator Award

The Office on Women's Health is seeking innovative ways to address the impact of endocrine-disrupting chemicals (EDCs) on Black or African American Women. EDCs are substances in the environment, food, and consumer products (metals, many industrial chemicals, natural and synthetic hormones, pesticides, fungicides, herbicides, pharmaceutical drugs, plastics/plasticizers, and fuels) that interfere with hormone biosynthesis, metabolism, or action resulting in a deviation from normal homeostatic control or reproduction. There are significant health disparities among women impacted by EDCs. The goal of the challenge is to identify and fund programs that demonstrate effectiveness, sustainability, and the ability to replicate and/or expand interventions that address gaps in knowledge and provide solutions to reduce EDC exposure risk for Black or African American women. Prizes are awarded at the end of each of three phases in the competition. Submissions for the first phase close August 15.

Awards:

Total cash prizes: \$1.355 million

Deadline:

08/15/2022

Links:

<https://www.challenge.gov/?challenge=hhs-endocrine-disrupting-chemicals-innovator-award-competition>

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