From: Research Funding Announcement from the Office of the Dean For Research on behalf of Corporate Engagement & Foundation Relations Funding
To: RESEARCH-FUNDING email list
Subject: Research Funding Announcement - August 11 2022
Date: Thursday, August 11, 2022 5:39:11 PM

PRINCETON Research Funding Gateway — Hosted by the Dean for Research

Research Funding Announcement August 11, 2022

Opportunities Recently Added to the Gateway

Each issue of the *Research Funding Announcement* contains a curated selection of the many funding opportunities that are continuously being issued by industry, foundations, nonprofit organizations, and the federal government. Visit the Princeton Research Funding Gateway to search for more funding opportunities in your particular areas of interest.

Alerts and Notices

REMINDER **Nomination materials and letters of support are due by September 15 for the Sloan Research Fellowships. These prestigious two-year fellowships recognize outstanding early-career faculty with the potential to revolutionize economics, mathematics, or selected fields in the sciences. Each department chair may nominate up to three candidates.**

Apply by September 8 at 5 pm for the September-October training program offered by the Princeton-led National Science Foundation Innovation-Corps (I-Corps) Northeast Hub. This four-session online program (Sept 29, Oct 4, 13, 20; 4-7 pm each day) helps researchers explore how their discoveries and inventions can meet the needs of people and industries. Participants work with experienced entrepreneurial mentors to build relationships and gain skills in an inclusive, welcoming environment. Teams are eligible for grants of up to $3,000. Open to faculty, postdoctoral researchers, graduate students, and undergraduates who are developing a university discovery in science or technology at any university, college, or research institution in the Northeast.

The next training program will be held on November 7, 9, 16, and 30; 9:30 am-12:30 pm each day.

The Allen Institute's OpenScope program opens the Allen Brain Observatory pipeline to theoretical, computational, and experimental scientists to test sophisticated hypotheses on brain function in a process analogous to astronomical observatories that survey the night sky. OpenScope is accepting proposals for experiments to be carried out by Allen Institute scientists; the resulting data will be made freely available. Letters of Intent are due by September 12.

The National Institutes of Health have issued implementation details (NOT-OD-22-189) for the new NIH Policy for Data Management and Sharing (DMS Policy) that affects applications submitted for receipt dates on or after January 25, 2023.

The Corporate Engagement and Foundations Relations team is available to assist faculty with proposal development and submission.
The Office of the Dean for Research is available to assist faculty with collaborative federal proposals for centers and institutes, training grants, and equipment grants, as well as initiatives that advance strategic priorities such as diversity, equity, and inclusion.

We welcome the opportunity to work with you.

Selected Upcoming Funding Opportunities

(Go to the Princeton Research Funding Gateway to search for additional opportunities that meet your areas of interest)

National Institutes of Health #PAR-22-203 – Point-of-Care Technologies Research Network: Technology Research and Development Centers (TRDC) – Up to $6M in Direct Costs – Requested Letter of Intent Due: 8/16/22 by 5:00 pm*

Accelerates development/application of innovative point-of-care and home-based testing technologies in a specific area of health research ***Due date for the full application has been extended from September 27 to October 3, 5:00 pm. Pre-application consultation with NIH program staff is strongly recommended.** View

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Research!America – Civic Engagement Microgrant Program – Up to $4K – Application Due: 8/31/22

Groups of STEM grad students or postdocs design and execute projects to engage with public officials and local communities around issues of common concern View

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Robert Wood Johnson Foundation – Systems for Action: Systems and Services Research to Build a Culture of Health – Up to $500K – Optional Letter of Intent Due: 9/6/22 by 3:00 pm*

Funds studies evaluating how to help medical/social/public health systems collaborate to address structural barriers to health and health equity
****Application due: October 5, 3:00 pm; Informational webinar: August 15 at 3:00 pm*** View

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National Institutes of Health #PAR-21-269 – Research on Interventions that Promote the Careers of Individuals in the Biomedical Research Enterprise – Up to $1.25M in Direct Costs – Requested Letter of Intent Due: 9/13/22 by 5:00 PM*

Funds research on effective, high-impact, scalable interventions to enhance diversity in the biomedical research workforce ***Application due: October 13, 5:00 pm** View

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National Science Foundation #NSF 16-577 – Focused Research Groups in the Mathematical Sciences (FRGMS) – $150K to $1.5M – Proposal Due: 9/14/22 by 5:00 pm

Funds research teams working to solve significant challenges in the mathematical sciences View

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National Science Foundation – Alan T. Waterman Award – $1M – Nomination Due: 9/16/22

Honors exceptional individual achievement by outstanding young researchers in any field of science or engineering supported by NSF View

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National Science Foundation #NSF 22-617 – Ideas Lab: Engineering Technologies to Advance Underwater Sciences (ETAUS) – $750K to $1.5M – Mandatory Preliminary Proposal Due: 9/19/22 by 5:00 pm

Facilitates new cross-disciplinary teams to develop innovative technologies and solutions for critical sensing and communication challenges View

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National Science Foundation #NSF 22-547 – Cooperative Studies of the Earth's Deep Interior (CSEDI) – Amount Varies – Proposal Due: 9/26/22

Funds research infrastructure and collaborative, interdisciplinary studies of the Earth's interior within the community-based CSEDI initiative View

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John Templeton Foundation – Templeton TEX Fellowship:

Theory-Experiment Cross Training – Up to $250K – Funding Inquiry Due: 9/30/22

Supports theory-experiment cross-training fellowships for graduate students in fundamental physics, astronomy, or cosmology View

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Department of Energy #DE-FOA-0002562 – Office of Science Financial Assistance Program – Typically $15K to $15M – Application Due: 9/30/22 by 11:59 pm*

Annual, broad, open solicitation covering all research areas in the DOE Office of Science ***It is recommended that a pre-application (white paper) be submitted first*** View

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National Science Foundation #NSF 22-605 – Division of Chemistry: Disciplinary Research Programs (CHE-DRP) – Amount Varies – Proposal Due: 9/30/22 by 5:00 pm or 10/31/22 by 5:00 pm, Depending on Topic Area

Funds research in a wide array of chemical sciences View

Michelson Philanthropies & AAAS/*Science* – Michelson Philanthropies and *Science* Prize for Immunology – $30K Grand Prize; Two $10K Runner-Up Awards – Entry and Letter of Recommendation Due: 10/1/22

Honors young investigators from a wide range of disciplines whose research has a lasting impact on vaccine and immunotherapeutic discovery View

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Princeton University Internal Funds – Ludwig Institute for Cancer Research Princeton Branch: Studying Metabolic Phenomena Associated with Cancer to Develop New Paradigms for Cancer Prevention and Treatment – $100K – One-Page Proposal Due: 10/1/22

Applies high impact science/engineering discoveries of Princeton faculty and students to cancer research; proposals for new research directions always welcome View

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National Science Foundation #PD 18-5115 – Windows on the Universe: The Era of Multi-Messenger Astrophysics (WoU-MMA) – Amount Varies by Topic Area & Purpose – Proposal Due: 10/2/22 by 5:00 pm to 12/13/22 by 5:00 pm, Depending on Topic Area & Purpose

Funds areas of research supported through the NSF divisions that participate in the WoU-MMA program View

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Whitehall Foundation – Research Grants and Grants-in-Aid – $30K to $300K – Letter of Intent Due: 10/3/22

Supports research in invertebrate and vertebrate neurobiology to better understand behavior View

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National Institutes of Health #PAR-21-275 – The Role of Work in Health Disparities in the U.S. – Amount Varies – Application Due: 10/5/22 by 5:00 pm*

Funds population-based research to help identify and describe ways that work and occupation influence health outcomes among selected minority groups ***Three deadlines yearly: February 5, June 5, October 5** View

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National Institutes of Health #PAR-21-254 – Investigator Initiated Research in Computational Genomics and Data Science – Up to $500K – Application Due: 10/5/22 by 5:00 pm*

Funds research in computational genomics, data science, statistics, and bioinformatics that is broadly applicable to human health and disease
***Three deadlines yearly: February 5, June 5, October 5** View

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HUMANITIES, SOCIAL SCIENCES, NATURAL SCIENCES

National Humanities Center – Residential Fellowships – Amount Varies – Application and Letters of Recommendation Due: 10/6/22

Provides arts/humanities scholars, or others engaged in humanistic projects, with the freedom to work without the pressures of academic life View

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Heising-Simons Foundation – 51 Pegasi b Fellowship in Planetary Astronomy – Up to $415K – Application Due: 10/10/22

Supports postdoctoral fellowships in planetary astronomy at selected institutions View

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National Science Foundation & Paul G. Allen Family Foundation #NSF 22-613 – Partnership to Advance Conservation Science and Practice – $1M to $6M (est.) – Proposal Due: 10/11/22 by 5:00 pm

Supports partnerships between academic researchers and conservation practitioners to advance science-based conservation efforts in the U.S. View

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National Institutes of Health #PAR-21-234 – NINDS Faculty

Development Award to Promote Diversity in Neuroscience Research – Up to $975K – Application Due: 10/12/22 by 5:00 pm*

Funds supervised career development and scientific mentoring for promising junior investigators in neuroscience ***Three deadlines yearly: February 12, June 12, October 12** View

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National Institutes of Health #PAR-21-128 – NCI Transition Career Development Award – $150K to $450K – Application Due: 10/12/22 by 5:00 pm*

Supports postdocs transitioning to tenure-track faculty positions in cancer research ***Three deadlines yearly: February 12, June 12, October 12** View

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National Institutes of Health #PAR-21-271 – Maximizing Opportunities for Scientific and Academic Independent Careers (MOSAIC) Postdoctoral Career Transition Award to Promote Diversity – Amount Varies – Application Due: 10/12/22 by 5:00 pm

Supports the transition of postdocs from diverse backgrounds into independent faculty members in the biomedical sciences View

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HUMANITIES

National Science Foundation #NSF 22-616 – Dynamic Language Infrastructure-Doctoral Dissertation Research Improvement Grants – Up to $15K in Direct Costs – Proposal Due: 10/14/22*

Funds doctoral research focusing on building dynamic language infrastructure ***Future deadlines: February 15, September 15** View

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HUMANITIES

National Science Foundation & National Endowment for the Humanities #NSF 22-615 – NSF Dynamic Language Infrastructure–NEH Documenting Endangered Languages – Up to $450K – Proposal Due: 10/14/22*

Supports projects to advance knowledge concerning dynamic language infrastructure in the context of endangered human languages ***Future deadlines: February 15, September 15** View

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Clay Mathematics Institute – Clay Research Fellowships – Amount Varies – Nomination Due: 10/15/22

Provides postdoctoral fellowships in recognition of exceptional mathematics research and leadership potential View

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National Science Foundation #NSF 22-577 – Earth Sciences Instrumentation and Facilities (EAR/IF) – Amount Varies – Proposal Due: Accepted on a Rolling Basis

Supports instrument-based and human infrastructure that seeks to promote Earth and environmental science research and education View

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Didn't see anything that matches your current need for funding? Try searching the Princeton Research Funding Gateway.

Previously Announced Funding Opportunities – July 21, 2022

Development2030 and AidEx – Sustainable Initiative of the Year Award – Prize is Unknown – Nomination Due: 8/19/22

Prize honoring an economically successful, environmentally friendly work strategy View

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Greenwall Foundation – Bridging Bioethics Research & Policymaking – Up to $50K – Application Due: 8/22/22 by 11:59 pm

Supports bioethics researchers, policymakers, and others to bridge the divide between research results and policymaking View

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Nasdaq Foundation – Quarterly Grant Program – Amount Varies – Proposal Due: 8/31/22*

Strives to accelerate progress in diversifying entrepreneurship and empowering a more diverse group of investors ***Four proposal deadlines annually: March 31, May 31, August 31, and November 30** View

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J.M. Kaplan Fund – Furthermore Grants in Publishing – $1,500 to $15K – Application Due: 9/1/2022*

For nonfiction books on art, architecture, design; cultural history, the city, related public issues; conservation, preservation ***Two application deadlines annually: March 1 and September 1** View

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National Institutes of Health #PA-22-176 – Omnibus Solicitation of NIH, CDC, FDA for Small Business Innovation Research Grants – Up to $276K for Phase I Awards – Application Due: 9/5/22 by 5:00 pm

Helps U.S. small businesses develop promising technologies and products that align with the NIH/CDC/FDA missions to improve health and

save lives View

National Institutes of Health #PAR-22-105 – Dissemination and Implementation Research in Health – Amount Varies – Requested Letter of Intent Due: 9/5/22 by 5:00 pm*

Funds work to identify/develop/test strategies to disseminate and implement evidence-based interventions into public health, clinical practice, and community settings ***Three application deadlines annually in February, June, and October** View

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Arnold and Mabel Beckman Foundation – Postdoctoral Fellowship in Chemical Sciences or Chemical Instrumentation – $180K* – Mandatory Letter of Intent Due: 9/6/22 by 3:00 pm

Supports postdoctoral fellowships in selected areas of fundamental chemistry or in development of instrumentation for these fields ***Instrumentation fellowships receive up to an additional $200K** View

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National Institutes of Health #RFA-NS-22-026 – BRAIN Initiative: Targeted BRAIN Circuits Projects-TargetedBCP – Amount Varies – Requested Letter of Intent Due: 9/6/22 by 5:00 pm*

Funds research seeking to understand how circuit activity leads to mental experience/behavior using innovative, methodologically-integrated approaches ***Consultation with relevant NIH Scientific/Research staff is strongly recommended by September 6** View

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National Science Foundation #NSF 22-601 – Research Experiences for Undergraduates (REU): Sites and Supplements – Amount Varies – Proposal Due: 9/6/22 by 5:00 pm

Supports substantive research experiences for undergraduates to encourage them to pursue careers in science and engineering View

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Robert Wood Johnson Foundation – Policies to Build & Sustain Economic Security & Wealth for Families & Communities of Color (2022 P4A) – $30K to $450K – Mandatory Letter of Intent Due: 9/7/22 by 3:00 pm

Funds research on how economic and social policies can improve the financial wellbeing of communities of color, and advance health and racial equity **Informational webinar: July 26, 1:00-2:30 pm, registration required** View

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National Institutes of Health #RFA-NS-22-036 – NINDS Interdisciplinary Team Science Grant – Amount Varies –

Requested Letter of Intent Due: 9/7/22 by 5:00 pm
Supports integrated efforts of 3 to 6 PIs to pursue bold, interdisciplinary research in any area within the scope of the NINDS mission **It is strongly recommended that potential applicants contact NINDS no later than August 12** View

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National Institutes of Health #PAR-22-181 – NIDA, NIMH, & NINDS Research Opportunities for New and "At-Risk" Investigators to Promote Workforce Diversity – Amount Varies – Application Due: 9/8/22 by 5:00 pm*
Funds research by PIs from diverse backgrounds, including those from underrepresented groups, that meets the mission of NIDA, NIMH, or NINDS ***Three application deadlines annually in January, May, and September** View

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National Institutes of Health #RFA-RM-22-018 – NIH Director's Pioneer Award – Up to $3.5M – Application Due: 9/9/22 by 5:00 pm
Supports opportunities for exceptionally creative scientists proposing pioneering approaches in biomedical, social science, and behavioral research View

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National Institutes of Health #RFA-EB-22-001 – BRAIN Initiative: Transformative Brain Non-invasive Imaging Technology Development – Amount Varies – Requested Letter of Intent Due: 9/13/22 by 5:00 pm*
Funds team-centric development and validation of innovative non-invasive imaging technologies that could transform the study of brain function/connectivity ***Applicants are strongly encouraged to consult with NIH program staff prior to September 13** View

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Burroughs Wellcome Fund – 2023-2024 Resident Faculty Scholar – Up to $125K – Application Due: 9/13/22 by 3:00 pm
Supports 2- to 6-month mini-sabbatical/project incubation at BWF Headquarters for work aligned with BWF priorities and goals View

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National Science Foundation #NSF 20-570 – Industry-University Cooperative Research Centers Program (IUCRC) – Amount Varies by Phase – Mandatory Preliminary Proposal Due: 9/14/22 by 5:00 pm
Catalyzes breakthrough pre-competitive research by enabling close, sustained engagement between industry innovators, academic teams, and government agencies View

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National Institutes of Health #RFA-NS-22-011 – BRAIN Initiative: Research Resource Grants for Technology Integration and Dissemination – Amount Varies – Requested Letter of Intent Due: 9/14/22 by 5:00 pm

Supports efforts to rapidly disseminate resources and technologies to the neuroscience research community View

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Sony – Research Award Program: Faculty Innovation Award – Up to $100K – Application Due: 9/15/22 by 11:59 pm PDT

Supports pioneering research in the general areas of Information Technology and Devices & Materials, as well as in Digital Health View

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Sony – Research Award Program: Focused Research Award – Up to $150K – Application Due: 9/15/22 by 11:59 pm PDT

Funds focused research in areas of immediate interest to the company in collaboration with Sony researchers View

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National Science Foundation #PD 22-8084 – Computational and Data-Enabled Science and Engineering (CDS&E) – Amount Varies – Proposal Due: Date Varies by Topic; Earliest is 9/15/22

Encourages major scientific and engineering breakthroughs via new computational and data-analysis approaches and best practices View

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ALL DEPARTMENTS

John Simon Guggenheim Memorial Foundation – Guggenheim Fellowships – Amount Varies – Application Due: 9/16/22*

Provides fellowships to exceptional mid-career individuals in pursuit of scholarship in any field of knowledge and creation in any art form
***Estimated due date; to be confirmed in mid-August** View

National Science Foundation #NSF 22-600 – Joint DMS/NIGMS Initiative to Support Research at the Interface of the Biological and Mathematical Sciences – Funding Varies by Track – Proposal Due: 9/19/22 by 5:00 pm

Encourages research collaborations at the interface between mathematical and life sciences View

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Meta Research – Meta Research PhD Fellowship Program – Amount Varies* – Application Due: 9/20/22 by 11:59 pm PST

Encourages and supports promising doctoral students who are engaged in innovative research of interest to Meta ***Amount includes four**

semesters of tuition and fees, and a $42K annual stipend View

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Simons Foundation – Mathematics and Physical Sciences: Targeted Grants to Institutes – Up to $750K – Application Due: 9/21/22

Helps math, theoretical physics and theoretical computer science centers to strengthen contacts with the international scientific community View

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National Science Foundation #NSF 22-514 – Broadening Participation in Engineering (BPE): Tracks 1-4 – Amount Varies by Track – Recommended Letter of Intent Due: 9/21/22 by 5:00 pm (Tracks 3 & 4)

Strengthen the future U.S. engineering workforce by enabling and encouraging the participation of all citizens in the engineering enterprise View

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National Institutes of Health #RFA-AG-23-033 – Transformative Artificial Intelligence/Machine Learning-Based Strategies to Identify Determinants of Exceptional Health & Life Span – Up to $1.35M in Direct Costs – Requested Letter of Intent Due: 9/21/22 by 5:00 pm

Supports development of AI/ML strategies to integrate, extract, and interpret certain data sets in order to understand exceptional aging processes **Prospective applicants should consult with NIH staff early on. Pre-Application webinar: July 26, 4:00-5:00 pm; advance registration required** View

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Simons Foundation – Simons Fellows in Mathematics – Amount varies – Application Due: 9/26/22

Funding extends a single-semester sabbatical research leave to a full academic year View

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NVIDIA – Applied Research Accelerator Program – $20K to $160K – Application Due: 9/30/22*

Advances development/adoption of NVIDIA-accelerated applications used by commercial/government organizations through technical guidance, hardware, and sometimes funding ***Four application deadlines annually: March 31, June 30, September 30, and December 31** View

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National Academies of Sciences, Engineering, and Medicine – Jefferson Science Fellows Program – Amount Varies* – Application and MOU Due: 10/18/22 by 5:00 pm

Faculty fellowships advising government on science and technology in foreign policy and international development ***Princeton pays Fellow's**

salary and benefits; NAS provides $50K stipend toward living expenses in Washington, D.C. area, plus funds for fellowship-related travel View

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Do you know of an upcoming funding opportunity that should be shared with your Princeton colleagues? Please email it to cefr_funding@princeton.edu at least four weeks prior to the application due date, and we'll include it in an upcoming Funding Announcement and/or add it to the Princeton Research Funding Gateway. Thank you!