

**From:** [Research Funding Announcement from the Office of the Dean For Research](#) on behalf of [Coleen Burrus](#)  
**To:** [RESEARCH-FUNDING email list](#)  
**Subject:** Research Funding Announcement - October 7, 2021  
**Date:** Thursday, October 7, 2021 12:33:25 PM

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# Research Funding Announcement October 7, 2021

## 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.

Dear Deans, Chairs, Directors, Faculty, and Administrators:

I am writing to alert you to the following open submission opportunities. Please share this information with any Princeton colleagues who may be interested.

## Alerts and Notices

**SAVE THE DATE!** [Engage 2021](#), Princeton's 2<sup>nd</sup> annual innovation and entrepreneurship conference, will be held on Wednesday and Thursday, December 1 and 2, 2021. All are invited to attend this free virtual event; the registration link and conference program will be available soon. The [Dean for Research Award for Distinguished Innovation](#), which recognizes an innovation led by a Princeton faculty member, will be presented during the conference. The 13th annual [Celebrate Princeton Innovation](#) event will be held on Thursday afternoon.

With sponsorship from NSF, the [University Industry Demonstration Partnership \(UIDP\)](#), a recognized leader in addressing issues impacting academic-corporate collaboration, is hosting a two-part workshop, [University-Industry Partnerships in the Social Sciences](#), convening a diverse group of experts and leaders from

academia, industry, and government to consider how academic-corporate partnerships can advance social, behavioral, and organizational science research to positively impact science and society. Part 1 is a free virtual workshop on October 14 from 11:00 am-2:00 pm ET (registration is required), and Part 2 will be an in-person workshop at the University of Maryland, College Park, on April 20-21, 2022.

NSF has revised some of its [Award Terms and Conditions](#) documents: NSF Agency Specific Requirements to the Research Terms and Conditions (ASR); Grant General Conditions (GC-1); Cooperative Agreement Financial & Administrative Terms and Conditions (CA-FATC); Cooperative Agreement Modifications and Supplemental Financial and Administrative Terms and Conditions (CA-FATC) for Major Multi-User Research Facility Projects and Federally Funded Research and Development Centers; and Administration of NSF Conference or Group Travel Award Grant Conditions (FL 26). The revised terms and conditions will apply to all new NSF awards and funding amendments to existing NSF awards made on or after October 4, 2021.

NSF has issued a “[Dear Colleague Letter: Critical Aspects of Sustainability \(CAS\): Innovative Solutions to Climate Change](#),” encouraging the science and engineering communities to develop forward-thinking research that will demonstrably aid in the Nation's goal of reaching net-zero greenhouse gas emissions and developing approaches for adapting to the change that is already occurring. This call to action supports the submission of certain types of proposals to appropriate existing NSF core programs to lay the foundation for disciplinary and interdisciplinary research and to answer fundamental questions related to novel approaches and solutions to climate change.

We anticipate publishing the next issue of the *Research Funding Announcement* on Thursday, October 28.

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)

**REMINDER:**

**Princeton University Internal Funds – Dean for Research:  
Innovation Fund for New Industrial Collaborations – Up to  
\$250K – Application Due: 11/30/21**

*Fosters research collaborations between industry and Princeton scientists  
to bring discoveries out into the real world* [View](#)

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**National Science Foundation #PD 21-8084 – Computational and  
Data-Enabled Science and Engineering (CDS&E) – Amount  
Varies – Proposal Due: Date Varies by Topic; Earliest is  
10/15/2021**

*Encourages major scientific and engineering breakthroughs via new  
computational and data-analysis approaches and best practices* [View](#)

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**National Science Foundation #NSF 16-558 – Mathematical  
Sciences Postdoctoral Research Fellowships (MSPRF) – \$150K  
– Proposal Due: 10/20/21**

*Supports postdocs doing research in areas of mathematics and statistics,  
including applications to other disciplines* [View](#)

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**National Institutes of Health #PAR-21-333 – NCI Outstanding  
Investigator Award – Up to \$4.2M – Application Due: 11/4/21**

*Provides long-term support and increased flexibility to investigators with  
outstanding records of cancer research* [View](#)

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**U.S.–Israel Binational Science Foundation – BSF Research  
Grants Program – Up to \$250K – Application Due: 11/27/21 by  
5:00 pm Israeli time (10:00 am ET)**

*Funds cooperative research by U.S. and Israeli scientists conducted in  
both countries; topic areas vary in odd/even years* [View](#)

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**National Science Foundation #NSF 21-626 – NSF-DFG Lead  
Agency Activity in Chemistry and Transport in Confined  
Spaces (NSF-DFG Confine) – Amount TBD – Mandatory  
Expression of Interest Due: 11/29/21**

*Supports U.S.-German collaborations focused on discovering and  
understanding new chemistry and thermal transport phenomena* [View](#)

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**Damon Runyon Cancer Research Foundation – Quantitative  
Biology Fellowship Award (postdoc) – \$240K – Application  
Due: 12/1/21 by 4:00 pm**

*Assists young quantitative scientists to prepare for research careers in  
computational biology/cancer biology* [View](#)

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**Google Research – Research Scholar Program – Up to \$60K – Proposal Due: 12/1/21**

*Supports world-class research by early-career professors who are doing work in fields relevant to Google* [View](#)

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**Princeton University Internal Funds – Dean of the Faculty: Presidential Postdoctoral Research Fellows – Amount Varies – Nomination Due: 12/1/21**

*Encourages early-career scholars underrepresented in their field to pursue a career in academia by supporting their postdoctoral work at Princeton* [View](#)

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**Environmental Research & Education Foundation – Sustainable Solid Waste Management Practices – \$15K to \$500K – Topic Approval Request (if required) Due: 11/1/21; Mandatory Preproposal Due: 12/1/21**

*Supports research to improve sustainable management of solid waste* [View](#)

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**McKnight Endowment Fund for Neuroscience – McKnight Technological Innovations in Neuroscience Award – \$200K – Mandatory Letter of Intent Due: 12/6/21**

*Supports scientists who work on developing novel and creative approaches to understanding brain function* [View](#)

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**National Science Foundation #NSF 21-617 – Cyberinfrastructure for Sustained Scientific Innovation (CSSI) – Amount Varies by Award Class – Proposal Due: 12/8/21**

*Funds development of scalable community-driven cyberinfrastructure (CI) to support innovative scientific inquiry* [View](#)

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**National Academies of Science, Engineering, and Medicine – U.S.-Egypt Science and Technology Joint Fund: Collaborative Research Grants – Up to \$200K per Country – Proposal Due: 12/8/21 by 11:59 pm Cairo, Egypt time (4:59 pm ET)**

*Fosters research collaboration between Egyptian and U.S. scientists in the areas of agriculture, energy, health, or water* [View](#)

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**National Academies of Science, Engineering, and Medicine – U.S.-Egypt Science and Technology Joint Fund: Junior**

**Scientist Development Visit Grants – Up to \$25,500 – Proposal Due: 12/8/21 by 11:59 pm Cairo, Egypt time (4:59 pm ET)**

*Funds research training visits to U.S. institutions for Egyptian researchers in the areas of agriculture, energy, health, or water* [View](#)

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**National Science Foundation #NSF 21-122 – Enabling Secure and Trustworthy Cyberspace (SaTC) CISE-SBE Interdisciplinary Collaborations–EARly-Concept Grants for Exploratory Research (EAGER) – Up to \$300K – Invited Proposal Due: 12/10/21**

*Fosters novel, collaborative research between computer science/engineering researchers and social/behavioral/economic sciences researchers* [View](#)

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**National Science Foundation #NSF 21-624 – Japan-U.S. Network Opportunity 3 (JUNO3): R&D for Programmable Networking for Next Generation Core and Beyond 5G/6G Networks – Up to \$450K – Proposal Due: 12/13/21**

*Supports joint Japan-U.S. foundational and transformative research on network programmability* [View](#)

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**National Science Foundation #NSF 21-120 – ANR-NSF/Physics/MCB Lead Agency Opportunity at the Physics-Molecular and Cellular Biosciences Interface – Amount TBD – Proposal Due 12/14/21**

*Funds collaborations between U.S. and French researchers to understand mechanisms underlying essential life processes* [View](#)

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**Gruber Foundation – International Gruber Prize Program – \$500K – Nomination Due: 12/15/21**

*Prizes recognize groundbreaking work in the fields of Cosmology, Genetics, and Neuroscience* [View](#)

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**McGovern Institute for Brain Research (MIT) – Edward M. Scolnick Prize in Neuroscience – \$150K – Nomination Due: 12/15/21**

*Prize honoring outstanding discoveries and advances in the field of neuroscience* [View](#)

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**National Institutes of Health #PAR-20-103 – Collaborative Program Grant for Multidisciplinary Teams – Up to \$1.5M – Requested Letter of Intent Due: 12/27/21**

**Supports multi-team research that increases understanding of biological processes at a range of levels, from molecules to populations** [View](#)

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**Varian Medical Systems – Investigator-Initiated Research Grants – Amount Varies – Concept Paper Due: Accepted on a Rolling Basis**

**Funds a broad range of technology research related to cancer treatment and care management, including radiotherapy, imaging, automation, AI, cloud-based software** [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 – September 23, 2021**

**Facebook Research – Environmental Considerations for Soft Electronics Systems and Energy Sources – \$100K to \$150K – Proposal Due: 10/12/21**

**Supports work on the ethical environmental impacts of wearable consumer electronics energy systems and e-waste reclaim** [View](#)

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**Department of Defense: Office of Naval Research #N00014-21-S-F007 – Vannevar Bush Faculty Fellowship (VBFF) Program – Up to \$3M – Mandatory White Paper Due: 10/15/21 by 11:59 pm**

**Seeks distinguished tenured researchers who conduct innovative basic research in areas of interest to the DoD** [View](#)

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**Department of Energy: Office of Science (SC) #DE-FOA-0002563 – Early-Career Research Program – \$750K or \$2.5M – Mandatory Pre-Application Due: 10/21/21**

**Funds research by early-career faculty in areas of interest to the DOE's Office of Science** [View](#)

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**Dan David Foundation – Dan David Prize – \$300K – Nomination Due: 11/1/21**

**Prize honoring outstanding scholars and practitioners engaged in exploring any aspect of the human past** [View](#)

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**National Science Foundation #NSF 21-615 – Emerging Frontiers in Research and Innovation (ELiS or BRAID) – Up to \$2M – Mandatory Letter of Intent Due: 11/10/21**

*Funds groundbreaking interdisciplinary engineering research in two new topic areas for 2022* [View](#)

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**Robert Wood Johnson Foundation – Health Policy Fellows – Up to \$165K – Application Due: 11/12/21 by 3:00 pm**

*Provides a fellowship in health policy in Washington, DC for mid-career faculty* [View](#)

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**National Endowment for the Humanities #20220114-HAA – Digital Humanities Advancement Grants – Up to \$50K or \$150K or \$400K – Optional Draft Due: 11/15/21**

*Funds digital projects by faculty in any area of the humanities* [View](#)

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**Cancer Research Institute – Technology Impact Award – Up to \$200K – Mandatory Letter of Intent Due: 11/15/21**

*Advance technologies that can speed up development of immunotherapies that are effective for all cancer patients* [View](#)

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**Environmental Protection Agency #EPA-G2021-STAR-H1 – Cumulative Health Impacts at the Intersection of Climate Change, Environmental Justice, and Vulnerable Populations/Lifestages – Up to \$1.35M – Application Due: 11/16/21 by 11:59 pm**

*Funds research on environmental problems at the intersection of climate change, environmental justice, and vulnerable populations/lifestages*  
[View](#)

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**National Academy of Education – NAEd/Spencer Postdoctoral Fellowship Program – \$70K – Application Due: 11/17/21**

*Supports early-career scholars working in critical areas of education research* [View](#)

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**National Science Foundation #NSF 21-608 – Reproducible Cells and Organoids via Directed-Differentiation Encoding (RECODE) – Up to \$1.5M – Mandatory Preliminary Proposal Due: 11/22/21**

*Funds efforts to answer fundamental questions and devise tools needed to realize deterministic cell induction and differentiation strategies* [View](#)

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**National Science Foundation #NSF 20-609 – Collaborative Research in Computational Neuroscience (CRCNS): Innovative Approaches to Science and Engineering Research on Brain Function – \$300K to \$1.25M – Proposal Due: 11/23/21**

*Supports research on the nervous system, nervous system disorders, and computational strategies used by the nervous system* [View](#)

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**Princeton University Internal Funds – Dean for Research: Innovation Fund for New Industrial Collaborations – Up to \$250K – Application Due: 11/30/21**

*Fosters research collaborations between industry and Princeton scientists to bring discoveries out into the real world* [View](#)

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**Israel Institute for Advanced Studies (IIAS) – Research Groups 2023-2024 – Up to \$6K per Month – Application Due: 12/1/21 by Midnight**

*Faculty fellowships in Israel for 3-10 months as part of a research group on any topic* [View](#)

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**Israel Institute for Advanced Studies (IIAS) – Individual Fellowships 2023-2024 – Up to \$6K per Month – Application Due: 12/1/21 by Midnight**

*Individual faculty fellowships in Israel for scholars from any discipline* [View](#)

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**Howard Hughes Medical Institute – Hanna H. Gray Fellows Program – See Below – Application Due: 12/1/21; Reference Letters Due: 12/8/21**

*Supports early-career life scientists from underrepresented groups* [View](#)

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**American Mathematical Society – Centennial Fellowship – Amount Varies – Application Due: 12/1/21 by 11:59 pm**

*Provides one-year fellowships for research in mathematics* [View](#)

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**Princeton University Internal Funds – Humanities Council: Team Teaching Grants – Summer Stipends of \$7,500 per Faculty Member – Brief Proposal Due: 12/1/21**

*Supports development of new team-taught, interdisciplinary courses that are taught across departments/divisions and are of broad interest* [View](#)



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**National Science Foundation #NSF 21-613 – Coastlines and People (CoPe): Focused Hubs and Large-Scale Hubs – \$3M to \$20M – Proposal Due: 12/6/21**

*Funds study of complex coastal systems and the interplay with coastal hazards to predict, respond to, and mitigate threats to these regions*

[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 [res\\_fund@princeton.edu](mailto:res_fund@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!*

Best regards,  
Coleen Burrus  
Director