Research Funding Announcement
November 11, 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.

Alerts and Notices

**REGISTRATION IS NOW OPEN!** Engage 2021, Princeton’s 2nd annual innovation and entrepreneurship online conference, will be held Weds.-Thurs., December 1-2, 2021. Engage 2021 is intended for faculty, postdocs, students of all levels, staff, industry, government, entrepreneurs and innovators: Everyone at Princeton and beyond who is working to transform research into innovation. This two-day conference is an opportunity for us all to learn, connect and be inspired by 100+ speakers sharing useful information and their experience, all with the goal of accelerating solutions to the world’s most pressing problems. 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 showcase of faculty ideas and ventures will be held on Thursday afternoon. Register now and share this free event with your network on and off-campus: Everyone is welcome.

Engage 2021 is a Princeton Innovation event, led by Vice Dean for Innovation Rodney Priestley and organized by the Office of Corporate Engagement and Foundation Relations.
The National Science Foundation’s Directorate for Mathematical and Physical Sciences (MPS) has a new brochure that explains how MPS, including the Divisions of Astronomical Sciences, Chemistry, Materials Research, Mathematical Sciences, Physics, and the Office of Multidisciplinary Activities, supports both curiosity-driven, exploratory research as well as use-inspired, translational research; leads cross-cutting NSF programs in topics like quantum science and multi-messenger astrophysics; and prepares a new, diverse generation of mathematics and physical sciences researchers and STEM workers.

We anticipate publishing the next issue of the *Research Funding Announcement* on November 19.

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 Science Foundation #NSF 21-609 – Ecology and Evolution of Infectious Diseases (EEID) – $1.5M to $3M – Proposal Due: 11/24/21**

*Funds research on the ecological, evolutionary, organismal, and social drivers influencing the transmission dynamics of infectious diseases*

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**UMass Massachusetts Medical Device Development Center (M2D2) – IMPACT Accelerator Program: Cycle 2 – No Funding from M2D2 – Application Due: 11/30/21**

Accelerator program to connect early-stage companies in the medical device and biotech spaces with resources needed for commercialization

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**National Science Foundation #PD 98-1391 – Archaeometry and Senior Archaeological Research Awards – Amount TBD – Proposal Due: 12/1/21 (Archaeometry) or 12/20/21**

[View](#)
(Archaeology)
Supports development/refinement of anthropologically-relevant archaeometric techniques, and archaeological research led by senior PIs

National Science Foundation #NSF 22-514 – Broadening Participation in Engineering (BPE): Tracks 1-4 – Amount Varies by Track – Recommended Letter of Intent Due: 12/3/21 (Tracks 3 & 4)
Strengthen the future U.S. engineering workforce by enabling and encouraging the participation of all citizens in the engineering enterprise

National Science Foundation #NSF 21-614 – Postdoctoral Research Fellowships in Biology: Competitive Areas 1-3 – $138K to $207K – Proposal Due: 12/6/21
Awarded to recent PhD recipients for research and training in certain areas of biology and with special goals for human resource development

Chan Zuckerberg Initiative (CZI) – Single-Cell Biology Data Insights: Cycle 1 – $200K or $400K – Application Due: 12/14/21 by 8:00 pm
Funds projects that aim to use and gain insights into health and disease from existing single-cell datasets

Zuckerman Institute – STEM Leadership Program: Postdoctoral Scholars – $104K to $120K – Application Due: 12/15/21
Funds postdoctoral scholars in STEM fields from premier universities in the U.S. to do research at one of seven Israeli universities

Department of Energy #DE-FOA-0002593 – Earth and Environmental Systems Modeling – $600K to $900K – Mandatory Pre-Application Due: 1/5/22
Supports development of advanced modeling and simulation capabilities in order to enhance the predictability of the Earth’s evolving system

National Science Foundation #NSF 22-509 – CISE Community Research Infrastructure: Planning, Medium (New & ENS), and Grand Awards – Funding Amount Varies by Type – Proposal Due: 1/11/22
Funds new/enhanced research infrastructure to support CISE researchers pursuing work in computer and information science and engineering
**National Science Foundation #NSF 21-619 – Biology Integration Institutes (BII) – Up to $12.5M – Proposal Due: 1/12/22**

Supports diverse and collaborative teams of researchers investigating questions that span multiple disciplines within and beyond biology  
[View](#)

**William T. Grant Foundation – Improving the Use of Research Evidence – $5K to $50K or $100K to $1M – Letter of Inquiry Due: 1/12/22 by 3:00 pm**

Supports studies that enhance the use of research evidence in ways that benefit youth  
[View](#)

**William T. Grant Foundation – Reducing Inequality – $5K to $50K or $100K to $600K – Letter of Inquiry Due: 1/12/22 by 3:00 pm**

Funds high-quality field-initiated studies on reducing inequality in youth outcomes  
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**Burroughs Wellcome Fund – Postdoctoral Diversity Enrichment Program – $60K – Application Due: 1/12/22 by 4:00 pm**

Supports career development activities for underrepresented postdoctoral fellows in biomedical or medical research who are guided by mentors  
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**National Science Foundation #NSF 22-505 – Human Networks and Data Science: Core Research (HNDS-R) – Up to $1.2M – Proposal Due: 1/13/22**

Supports advances in theory/method in a core social, behavioral and economic discipline via application of data and network science methods  
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Supports research in invertebrate and vertebrate neurobiology to better understand behavior  
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**Cancer Research Institute – Lloyd J. Old STAR Program – Up to $1.25M – Application Due: 1/15/22**

Provides funding to innovative assistant/associate professors to pursue high-risk, high-reward research in cancer immunotherapy  
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National Science Foundation #NSF 22-505 – Human Networks and Data Science: Infrastructure (HNDS-I) – Up to $1.2M – Proposal Due: 2/3/22
Funds the development of data resources and relevant analytic techniques that support fundamental social, behavioral and economic research View

National Science Foundation #NSF 22-515 – Tectonics – Amount TBD – Proposal Due: Accepted on a Rolling Basis
Funds field, laboratory, computational, and theoretical investigations to help understand the deformation of the terrestrial continental lithosphere View

National Science Foundation #NSF 21-621 – Human-Environment and Geographical Sciences Program: Doctoral Dissertation Research Improvement Awards – Up to $20K – Proposal Due: Accepted on a Rolling Basis
Supports research on the nature, causes and/or consequences of the spatial distribution of human activity and/or environmental processes View

National Science Foundation #NSF 21-616 – Computer and Information Science and Engineering (CISE): Core Programs-SMALL Projects – Up to $600K – Proposal Due: Accepted on a Rolling Basis
Funds research on foundations of computing & communication; novel/enhanced computing & networking; interrelated roles of people, computers, & information View

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

Previously Announced Funding Opportunities – October 28, 2021

National Geographic Society – National Geographic Explorer: Level I and Level II – Level I: Up to $20K; Level II: Up to $100K – Application Due: 11/18/21 by 11:59 pm
Funds bold, innovative, transformative projects in science, conservation, storytelling, education, & technology in selected focus areas View
PepsiCo – Removing Organics from Coconut Water to Improve Flavor – Up to $100K for proof-of-concept stage – Brief Proposal Due: 11/19/21
Supports work to remove or neutralize targeted flavor compounds that will lead to a more appealing taste and aroma  View

Nasdaq Foundation – Quarterly Grant Program – Amount Varies by Project – Proposal Due: 11/30/21
Supports efforts to accelerate progress in diversifying entrepreneurship and empowering a more diverse group of investors  View

Kavli Foundation/Norwegian Academy of Science & Letters/Norwegian Ministry of Educ. & Research – Kavli Prize – $1M – Nomination Due: 12/1/21
Prizes recognize breakthroughs in astrophysics, nanoscience, and neuroscience  View

National Science Foundation #NSF 21-612 – EHR Core Research: Resource Coordination Hub (ECR Hub) – Up to $5M – Proposal Due: 12/1/21
Create an ECR Hub to enhance the overall influence and reach of ECR STEM education research investments  View

Environmental Protection Agency #EPA-G2022-STAR-A1 and STAR-A2 – Development of Innovative Approaches to Assess the Toxicity of Chemical Mixtures – $600K to $750K – Application Due: 12/8/21 by 11:59 pm
Funds research to develop and evaluate methods and approaches to inform human health risk assessment of environmental chemical mixtures  View

National Institutes of Health #PA-21-051 – Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship – Amount TBD – Application Due: 12/8/21
Enables predoctoral students to obtain mentored research training while conducting dissertation research in scientific health-related fields  View

Burroughs Wellcome Fund – Climate Change and Human Health Seed Grants – $2,500 to $50K – Applications Reviewed Quarterly; Next Deadline is 12/15/21 by 4:00 pm
Promotes collaboration between scholars in disconnected fields who might together help mitigate the impact of climate change on human health

**American Federation for Aging Research/Glenn Foundation for Medical Research** – Grants for Junior Faculty – Up to $125K – Letter of Intent Due: 12/15/21
*Assists in the professional development of junior investigators committed to pursuing careers in the field of aging research*

**American Lung Association** – Innovation Award – $75K to $150K – Application Due: 12/16/21
*Supports promising independent investigators doing basic science, behavioral, clinical, or translational research for lung health*

**American Lung Association** – Catalyst Award – $50K to $100K – Application Due: 12/16/21
*Supports early-career faculty who are conducting basic science, behavioral, clinical or translational research into lung health*

**American Lung Association** – Public Policy Research Award – $50K to $100K – Application Due: 12/16/21
*Funds research/policy evaluation/innovative ideas to help stimulate and inform public policy debates around healthy air and lung disease*

**National Science Foundation #NSF 21-616** – Computer and Information Science and Engineering (CISE) Core Programs: MEDIUM & OAC Core Projects – $600K to $1.2M – Proposal Due: 12/22/21
*Funds research and education to develop new knowledge in computing, communications, information science/engineering, and cyberinfrastructure*

**Blakemore Foundation** – Blakemore Freeman Fellowships for the Study of East & Southeast Asian Languages – TBD – Application Due: 12/30/21
*Funds full-time advanced language study abroad for those whose career path will benefit from fluency in a modern Asian language*

**Prince Sultan Bin Abdulaziz International Prize for Water** – Creativity Prize – $266K – Institutional Nomination Due: 12/31/21
*Awarded for cutting-edge, multidisciplinary scientific work that has led to a*
breakthrough in any water-related field

Prince Sultan Bin Abdulaziz International Prize for Water – Specialized Prizes – $133K – Self Nomination Due: 12/31/21
Prizes recognizing research to find solutions to the various water-related challenges facing the world

National Science Foundation #NSF 22-501 – Mathematical and Physical Sciences Ascending Postdoctoral Research Fellowships (MPS-Ascend) – $100K to $300K – Proposal Due: 1/6/22
Supports postdoctoral fellows who will broaden the participation of underrepresented groups as future leaders in MPS fields

Volvo Environment Prize Foundation – Volvo Environment Prize – SEK 1.5 million – Nomination Due: 1/10/22
Recognizes excellence in any discipline that has relevance to the environment; work must clearly show impacts outside of the specific field

McKnight Endowment Fund for Neuroscience – McKnight Scholar Awards – $225K – Application Due: 1/10/22
Encourages early-career faculty in the neurosciences to focus on disorders of learning and memory

Princeton University Internal Funds – Humanities Council: Exploratory Grants in Collaborative Humanities – Up to $25K – Proposal Due: 1/10/22
Allows groups of faculty to develop a collaborative area of focus that generates new research or teaching in emerging or underrepresented fields in the humanities

Princeton University Internal Funds – Humanities Council: Magic Grants – $5K to $75K – Proposal Due: 1/10/22
Awarded to teams of Princeton faculty for new projects that change the way the humanities are conceived or taught

National Science Foundation #NSF 22-504 – Macrosystems Biology and NEON-Enabled Science: Research on Biological Systems at Regional to Continental Scales – Research Awards: Amount TBD; Small Awards: Up to $300K – Proposal Due:
1/10/22

Funds systems-oriented research on biosphere processes and their complex interactions with climate, land use, and changes in species distribution  View

Do you know of an upcoming funding opportunity that should be shared with your Princeton colleagues? Please email it to 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