Research Funding Announcement
February 24, 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

Professors Bonnie Bassler and Elizabeth Diller are among the winners of the 2022 international Wolf Prizes, in Chemistry and Architecture, respectively. Professors Danqi Chen (Computer Science) and Lawrence Cheuk (Physics) are among the recipients of this year's Sloan Research Fellowships.

The new Princeton-led National Science Foundation Innovation-Corps (I-Corps) Northeast Hub provides entrepreneurial training, mentoring, and resources to enable researchers to translate their discoveries into benefits for society. Researchers (faculty, staff, postdocs, grad students and undergrads) at any northeast-region university who want to explore translation of their science or technology discovery are invited to take the Hub's 4-session short course. The next training program will take place on April 12, 14, 21, and May 5 from 1-4 pm; the application deadline is March 7. The June program will be held on June 6, 8, 15, and 29.

The National Science Board has released State of U.S. Science and Engineering 2022, a biennial report that provides information on the state of the nation's
science and engineering enterprise over time and within a global context.

NSF has announced the availability of supplemental funding to encourage new joint U.S.-India research projects at the intersection of selected research areas in computer/data science and application areas (e.g., agriculture, health, climate, robotics, and future manufacturing) that could accelerate the development of new technologies, tools, and systems for the mutual benefit of both societies and economies. PIs must have an active NSF award through one of several eligible programs, and be interested in developing a new collaboration with researchers in India. There will be a two-part virtual workshop (March 15 and 22, 2022, 10:30 am-12:30 pm) with presentations from the participating Technology Innovation Hubs in India, as well as opportunities for networking. Register by March 1 (limited to 50 attendees).

The National Academies of Science, Engineering, and Medicine will hold the 4th Annual Public Summit of the Action Collaborative on Preventing Sexual Harassment in Higher Education on October 19-20, 2022 (in person and virtual). Proposal submissions are invited for presentations, posters, and sessions on promising practices to address and prevent sexual harassment in higher education. Participation is open to individuals across higher education and those that want to contribute to the discussion around preventing sexual harassment in higher education. Space to present work is limited, and the deadline to submit a proposal for a presentation, poster, or session is May 9th, 2022.

**REMININDER** With sponsorship from NSF, the University Industry Demonstration Partnership (UIDP) has been 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 was a virtual workshop on October 14 (see recording and materials), and Part 2 will be an in-person workshop at the University of Maryland, College Park, on April 20-21, 2022 (registration is now open).

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)
PhRMA Foundation – Health Equity Challenge Award – $5K or $25K or $50K – Application Due: 3/1/22 by 11:59 pm
Aims to advance how value assessment in health care can better capture evidence regarding diverse populations and drivers of health disparities
View

National Institutes of Health #RFA-NS-21-026 – BRAIN Initiative: New Technologies and Novel Approaches for Recording and Modulation in the Nervous System – Amount Varies – Requested Letter of Intent Due: 3/2/22 by 5:00 pm
Funds development of new technologies and approaches for recording and manipulating neural activity View

National Institutes of Health #RFA-NS-21-027 – BRAIN Initiative: Optimization of Transformative Technologies for Recording and Modulation in the Nervous System – Amount Varies – Requested Letter of Intent Due: 3/2/22 by 5:00 pm
Supports the optimization of neurotechnologies and the recording/manipulation of neural activity View

Princeton University Internal Funds – Princeton Institute for International & Regional Studies: Graduate Fellows Program – Amount Varies – Application Due: 3/15/22
Dissertation completion fellowships for advanced graduate students whose dissertations are in international/regional studies, broadly defined View

Meta Research – Silent Data Corruptions at Scale – $50K – Proposal Due: 3/21/22 by 5:00 pm AOE
Supports work to mitigate silent data corruptions within internet applications due to hardware faults affecting the data center computing stack View

Alfred P. Sloan Foundation – Collaborative Research Projects on Energy System Electrification – Up to $500K – Letter of Inquiry Due: 3/22/22 by 5:00 pm
Funds collaborative research led by early- or mid-career scholars to examine critical questions related to issues of widespread energy system electrification View

Meta AI – Dynabench Data Collection and Benchmarking
Platform – $15K to $55K – Proposal Due: 3/23/22 by 11:59 pm PT
Encourages creative submissions along the theme of “rethinking benchmarking” that leverage the Dynabench platform

Meta AI – Mephisto Dataset Collection Tool – $25,000 to $37,500 – Proposal Due: 3/23/22 by 11:59 pm PT
Supports inventive projects that leverage the Mephisto tool in research data collection tasks

National Institute of Mental Health #PAR-22-113 – Urgent Award: COVID-19 Mental Health Research – Amount Varies – Requested Letter of Intent Due: 3/25/22 by 5:00 pm
Address urgent, time-sensitive gaps in basic, translational, services intervention, HIV, and global mental health research related to COVID-19

Princeton University Internal Funds – High Meadows Environmental Institute: Walbridge Fund Graduate Award for Environmental Research – $10K – Application Due: 4/1/22
Provides dissertation support to graduate students doing research on a variety of environmental topics

Nokia Bell Labs – Bell Labs Prize – $25K or $50K or $100K – Proposal Due: 4/22/22
Annual competition to advance innovation in information and communications technologies

Simons Foundation – Simons Foundation Autism Research Initiative (SFARI): Human Cognitive and Behavioral Science – Up to $900K – Application Due: 4/25/22 by 5:00 pm
Supports research that produces foundational knowledge about the neurobehavioral differences associated with autism spectrum disorders
Informational webinar: 2/25/22, 12 pm

National Science Foundation #NSF 22-557 – Semiconductor Synthetic Biology Circuits and Communications for Information Storage – Up to $1.5M – Proposal Due: 4/25/22 by 5:00 pm
Funds novel work in synthetic biology integrated with semiconductor technology to enable the next generation of information storage platforms
National Science Foundation #NSF 22-559 – Boosting Research Ideas for Transformative and Equitable Advances in Engineering (BRITE) – Funding Varies by Track – Proposal Due: 4/25/22 by 5:00 pm
Supports tenured engineering faculty looking to forge new directions or enter new fields  View

Simons Foundation – Pivot Fellowship Program – Amount Varies – Application Due: 4/29/22 by 5:00 pm
Enables faculty in STEM fields to embed in the lab of a mentor to gain training and experience in a new STEM discipline  View

Merck KGaA – 2022 Compound Challenge – EUR 10,000 – Competition Registration Due: 4/30/22
A competition to identify the best submitted synthetic route for a given small molecule  View

National Center for Atmospheric Research – Early Career Faculty Innovator Program – $400K – Letter of Intent Due: 5/1/22
Faculty in social/policy/behavioral sciences co-develop interdisciplinary/actionable research projects in partnership with scientists/engineers at NCAR  Note eligibility criteria; Q&A sessions: 3/7/22, 12-1 pm ET and 3/15/22, 3-4 pm ET  View

National Science Foundation #NSF 22-565 – Civic Innovation Challenge – Up to $50K – Planning Grant Proposal Due: 5/5/22 by 5:00 pm
Build research-to-innovation pipeline, foster collaborative spirit between communities & researchers; Tracks: Living in changing climate; Gap between essential services & community needs  Informational Webinar: 2/25/22, 1:30-3 pm; Q&A sessions: 3/10/22, 3-4 pm and 3/22/22, 2-3 pm  View

HUMANITIES
National Science Foundation #15-554 – Archaeology Program: Doctoral Dissertation Research Improvement Awards – Amount Varies – Proposal Accepted on a Rolling Basis
Provides support to enhance and improve doctoral dissertation projects in anthropologically-significant archaeology  View
National Science Foundation #NSF 19-570 – High-Risk Research in Biological Anthropology and Archaeology – Up to $35K – Proposal Accepted on a Rolling Basis

Supports pilot projects for proof of concept or proof of access where research outcomes are at risk for various reasons. View

National Science Foundation #NSF 21-551 – Cyber-Physical Systems (CPS): SMALL and MEDIUM Projects – Up to $1.2M – Proposal Accepted on a Rolling Basis until 12/30/22 by 5:00 pm

Address new challenges in CPS systems and structures to advance capability, adaptability, scalability, resilience, safety, security, and usability. View

National Science Foundation #NSF 20-576 – Plant Biotic Interactions – Amount Varies – Proposal Accepted on a Rolling Basis

Studies of processes mediating beneficial/antagonistic interactions between plants and their viral/bacterial/oomycete/fungal/plant/invertebrate symbionts, pathogens, pests. View

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

Previously Announced Funding Opportunities – February 10, 2022

Atlanta Center for Microsystems-Engineered Point-of-Care Technologies – Microfluidics/Lab-on-a-Chip/Microchip-Based Point-of-Care Technologies – Amount Unknown – Pre-Proposal Due: 2/28/22 by 4:59 pm

Supports innovative projects related to microsystems-based Point-of-Care diagnostic technologies. View

Paul G. Allen Frontiers Group – Allen Distinguished Investigators in Protein Lifespan and in Nutrient Sensing – $1.25M – Letter of Intent Due: 3/1/22 by 2:59 pm

Funds technological innovation/development for protein lifespan research, or development of new technologies to sense nutrient levels within cells. View
HUMANITIES & SOCIAL SCIENCES

Library of Congress American Folklife Center – Archie Green Fellowships – Up to $30K – Proposal Due: 3/7/22
Supports original field research into the culture and traditions of contemporary American workers and/or occupational groups within the U.S. View

National Institutes of Health #RFA-NR-22-001 – Evaluating the Impact of COVID-19 Pandemic-Related Food and Housing Policies and Programs on Health Outcomes in Health Disparity Populations – Amount Varies – Requested Letter of Intent Due: 3/7/22 by 5:00 pm
Evaluate ongoing/long-term impacts of how food and housing policies/programs designed to lessen the impact of the pandemic affected health/health equity View

ALL DEPARTMENTS
Princeton University Internal Funds – Center for Digital Humanities (CDH): Fall 2022 Graduate Fellows in Digital Humanities – $750 per Semester – Application Due: 3/15/22 by 11:59 pm
Supports one-semester graduate fellowships for students interested in the tools and methods of the Digital Humanities View

Optica Foundation – Optica Women Scholars Program – $10K – Application Due: 3/15/22
Provides merit- and need-based support and networking opportunities for graduate students identifying as women who are concentrating in optics/photonics View

Woodard & Curran Foundation – Impact Grant – $100K – Application Due: 3/18/22
Funds a project implementing innovative, climate-smart agricultural practices to address the interlinked challenges of food security and climate change View

New Jersey Commission on Science, Innovation and Technology – Clean Tech Seed Grant Program – Up to $75K – Application Due: 3/21/22 by 5:00 pm
Helps early-stage tech/clean energy companies to develop discoveries into commercially viable technologies View
**HUMANITIES, SOCIAL SCIENCES, NATURAL SCIENCES**

**National Endowment for the Arts – Research Grants in the Arts**
- $10K to $100K – Application Due: 3/28/22 by 11:59 pm

Supports research studies in a variety of fields that investigate the value and/or impact of the arts  
Match/Cost Share Required  
[View](#)

**Russell Sage Foundation – Summer Institute in Behavioral Economics**
- Amount Varies – Application Due: 3/28/22

Funds attendance for junior faculty/postdocs/grad students at a workshop on using psychological principles to improve economic research (July 6-17, 2022, Cambridge, MA)  
[View](#)

**Gerald R. Ford Presidential Library & Museum – Ford Scholar Award (Dissertation Award) in Honor of Robert M. Teeter**
- $5K – Application Due: 3/31/22

Funds dissertation research/writing in any field related to any aspect of the U.S. political process and public policy during the last half of the 20th century  
[View](#)

**HUMANITIES & SOCIAL SCIENCES**

**University of New Mexico Latin American and Iberian Institute – Richard E. Greenleaf Visiting Library Scholar Program**
- Amount Varies – Application Due: 3/31/22 by 7:00 pm

Provides junior faculty/grad students specializing in Latin America/Iberia with the opportunity to work with UNM's Latin American/U.S. Southwest library collections  
[View](#)

**James S. McDonnell Foundation – Understanding Human Cognition: Opportunity Awards**
- Up to $250K – Application Due: 4/1/22 by 4:59 pm

Funds projects leading to new conceptual and empirical studies of human cognition and behavior using a developmental science approach  
[View](#)

**National Science Foundation #NSF 22-549 – Accelerating Innovations in Biomanufacturing Approaches through Collaboration Between NSF and the DOE BETO-funded Agile BioFoundry**
- Amount Varies – Proposal Due: 4/4/22 by 5:00 pm

Develop and implement innovative biodesign and biomanufacturing technologies and practices in order to help advance the U.S. bioeconomy  
[View](#)

**Camille & Henry Dreyfus Foundation – Machine Learning in the Chemical Sciences and Engineering**
- $50K to $150K – Proposal Due: 4/7/22
Supports advances in machine learning and related aspects of data science to benefit the chemical sciences and engineering  View

National Institutes of Health #PA-21-051 – Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship – Amount Varies – Application Due: 4/8/22 by 5:00 pm
Enables predoctoral students to obtain mentored research training while conducting dissertation research in scientific health-related fields  View

Facilitates the transition of outstanding systems and computational neuroscientists from historically underrepresented backgrounds to research independence  View

Facilitates transition of next generation of outstanding scientists from historically underrepresented groups to research independence in the field of cognitive aging  View

National Science Foundation #NSF 22-553 – Findable Accessible Interoperable Reusable Open Science Research Coordination Networks – Up to $1.5M – Proposal Due: 4/12/22 by 5:00 pm
Advances science and education by supporting groups of investigators across disciplinary/organizational/geographic boundaries in communication and sharing ideas  View

HUMANITIES
National Endowment for the Humanities #20200408-FEL – Division of Research Programs: Fellowships – $30K to $60K – Application Due: 4/13/22
Provides sabbatical support for humanities scholars pursuing research and writing projects  Informational webinar: 2/16/22 at 12:30 pm  View

National Science Foundation #NSF 22-550 – Signals in the Soil – $600K to $1.2M – Proposal Due: 4/14/22 by 5:00 pm
Funds convergent research to advance understanding of soil
ecosystems/dynamic soil processes, as well as our capacity to manage this vital resource  View

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

**HUMANITIES**
Princeton University Internal Funds – Art & Archaeology: Barr Ferree Publication Fund – Amount TBD – Application Due: 4/15/22
Supports the publication expense of books of merit on architecture and related topics in the fine arts  View

**HUMANITIES**
National Endowment for the Humanities: Division of Research Programs #20220420-FEL – NEH-Mellon Fellowships for Digital Publication – $30K to $60K – Application Due: 4/20/22 by 11:59 pm
Provides sabbatical support for scholars pursuing humanities projects that require digital expression  Optional Draft Deadline: 2/28/22 by 11:59 pm
View

National Science Foundation #NSF 22-556 – Advancing Informal STEM Learning Equity Resource Center – $10M – Proposal Due: 5/10/22 by 5:00 pm
Create new center to advance equity within the informal STEM learning field through a range of informal STEM learning experiences and environments  View

National Science Foundation – National Medal of Science – no funds awarded – Nomination and Letters of Support Due: 5/20/22 by 11:59 pm
National award honoring exceptional achievement in the sciences  View

National award recognizing technological achievement contributing to America’s economic, environmental, and social well-being  View
National Science Foundation #NSF 22-529 – Smart and Connected Communities – Funding Varies by Track – Proposal Accepted Anytime Until 4/1/24

*Supports integrative research addressing technological and social science dimensions of smart and connected communities*  
**Informational webinar:** 3/16/22 at 2:00 pm  [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 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!*

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Best regards,
Coleen Burrus
*Director*