Research Funding Announcement
January 27, 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

The Chan Zuckerberg Biohub Network has announced plans to establish a new cross-disciplinary and multi-institutional CZ Biohub. With up to $250M in funding over ten years (and the potential for an additional 5-year commitment of funds), the next CZ Biohub will focus on developing new technologies to measure and observe human biology in ways that help deepen understanding of human health and disease. Applications must be submitted jointly from at least three universities and/or other research institutions in close geographical proximity to one another; an initial Letter of Intent is due by April 1, 2022. CEFR will coordinate this program at Princeton. If you are interested in exploring this opportunity, or if you just have questions, please contact Coleen Burrus as soon as possible at cburrus@princeton.edu.

The National Science Foundation is launching a 2022 NSF Policy Office Webinar Series, beginning with a free webinar (Monday, January 31, 2022 from 2-3 pm) covering NSF’s Current and Pending Support policy and frequently asked questions on this topic. Register here; questions can be submitted ahead of
The National Science Foundation is seeking suggestions for FY 2023 topic areas for its Convergence Accelerator initiative, through which multiple disciplines, expertise, and cross-sector partnerships stimulate innovative ideas and develop long-lasting, sustainable solutions to support a variety of societal challenges. Recommendations must be submitted by February 28. New subject areas for 2022 are Enhancing Opportunities for Persons with Disabilities, Sustainable Materials for Global Challenges, and Food & Nutrition Security; previous topics (Tracks) can be found here.

In the January 11 issue we announced a Phase 1 RFP for Track G of the NSF Convergence Accelerator: Securely Operating Through 5G Infrastructure (this RFP is also listed in the “Previously Announced” section below, with a Letter of Intent due February 16). There are informational webinars on Track G on January 27, 3:30-5 pm, and February 1, 1:30-3 pm.

The National Institute of Mental Health (NIMH) has announced upcoming initiatives that encourage research addressing the quickly-evolving data related to mental health in the COVID-19 pandemic. Funding Opportunity Announcements should be published in early March, and applications will be accepted through 2024. If sufficient funds are available, grants will be awarded beginning in August 2022.

The National Institutes of Health (NIH) has launched the Neuromod Prize, a $9.8M competition to accelerate the development of targeted neuromodulation therapies. NIH seeks groundbreaking uses of peripheral nerve stimulation that can independently regulate two or more desired autonomic functions without unintended effects on non-target organs. The first phase calls on scientists, engineers, and clinicians to submit novel concepts and plans for development. Concept papers are due by April 28, and up to eight winners will receive a share of the up to $800K Phase 1 prize pool and be invited to participate in Phase 2, with a total potential prize pool of $4M. Four Phase 2 winners will be invited into Phase 3, with a total potential prize pool of $5M. There is a free virtual information session and Q&A on February 7 from 1-2 pm.

NIH’s Chief Officer for Scientific Workforce Diversity (COSWD) Office is updating their strategic plan to advance the science of scientific workforce diversity. The new strategic plan will guide the COSWD’s mission over the next five years to be NIH’s thought leader in the science of scientific workforce diversity, using evidence-based approaches to catalyze cultures of inclusive excellence. Feedback on the draft plan is invited by February 10.

The University Industry Demonstration Partnership (UIDP), a recognized leader in addressing issues impacting academic-corporate collaboration, is hosting an Insights for Researchers Webinar Series to provide information on what industry seeks from academic research partners, ways to recruit industry sponsors, and practical tips for successful sponsored research collaboration. The entire series consists of 10 webinars; however, attendees may register for
as many sessions as they wish. Princeton faculty, researchers, postdocs, staff, and grad students are all welcome to attend free through Princeton’s membership in UIDP; when registering, Registration Type = “Member” and Organization Name = “Princeton University.”

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)

Simons Foundation – Simons Collaboration on Plasticity and the Aging Brain (SCPAB): Research Awards – Amount Varies – Mandatory Letter of Intent Due: 1/31/22 by 5:00 pm
Funds collaborative studies on mechanisms of resilience and reserve in normal cognitive aging in the absence of disease View

C3.ai Digital Transformation Institute – AI to Transform Cybersecurity and Secure Critical Infrastructure – $100K to $1M plus Computing Resources – Proposal Due: 2/7/22 by 11:59 pm PDT
Funds interdisciplinary/inter-institutional research on AI/digital transformation in cybersecurity, to improve information security and secure critical infrastructure View

National Institutes of Health #RFA-EB-21-001 – Technology Development to Reduce Health Disparities – Up to $2M – Application Due: 2/11/22 by 5:00 pm
Funds work to develop and translate effective/affordable/culturally acceptable medical technologies aimed at reducing disparities in healthcare access/health outcomes View

National Science Foundation #NSF 22-554 – Molecular Foundations for Biotechnology: Partnerships to Transform Emerging Industries – Amount TBD – Mandatory Letter of
Intent Due: 2/14/22 by 5:00 pm
Funds interdisciplinary work at interface of ML/AI and biology/physics/math/engineering to address challenges in biology with potential implications for biotech  View

National Institutes of Health #PAR-22-090 – Exploratory/Developmental Bioengineering Research Grants – Up to $275K – Application Due: 2/16/22 by 5:00 pm
Funds study of novel scientific ideas or new model systems/tools/technologies with potential for major impact on biomedical/biobehavioral research  View

ALL DISCIPLINES
Princeton University Internal Funds – Center for Digital Humanities: Research Partnerships – $5K to $8K – Project Consultation Form Due: 2/21/22
Curious faculty from any field may propose small-scale projects that integrate methods/sources/critique from the humanities/data-driven or computational sciences/design  View

ALL DISCIPLINES
Princeton University Internal Funds – Center for Digital Humanities: Data Fellowships – $3K to $8K – Project Consultation Form Due: 2/21/22
Supports Princeton faculty/postdocs/grad students interested in learning the analytical and technological practices of working with humanities data  View

Simons Foundation – Simons Collaboration on the Global Brain (SCGB): Conference and Course Funding – Amount Varies – Mandatory Email Inquiry Due: 2/22/22 by 11:59 pm
Provides funding for courses and conferences in computational, theoretical, and systems neuroscience  View

Franklin Institute – Bower Award and Prize for Achievement in Science – $250K – Requested Notice of Intent to Nominate Due: 2/28/22
Recognizes significant scientific or engineering contributions that improve safety, sustainability, and resilience of civil infrastructure  View

Daiichi Sankyo – DS Modality Collaboration – $600K – Application Due: 2/28/22
Supports drug discovery research (rare diseases, CNS, eyes, heart, autoimmune disease) with DS-original nucleic acid therapeutics  See two attachments for more information
Israel-U.S. Binational Industrial Research and Development (BIRD) Foundation – Accelerating Growth through U.S.-Israel Strategic Partnerships – Up to $1M – Executive Summary Due: 3/1/22

Funds R&D cooperation between U.S. and Israeli companies  View

National Science Foundation #NSF 20-570 – Industry-University Cooperative Research Centers Program (IUCRC) – Amount varies by Phase – Mandatory Preliminary Proposal Due: 3/9/22 by 5:00 pm

Catalyzes breakthrough pre-competitive research by enabling close, sustained engagement between industry innovators, academic teams, and government agencies  Informational webinar on 2/24, 1-2 pm  View

Simons Foundation – Simons Foundation Autism Research Initiative (SFARI) Pilot Award – Up to $300K – Application Due: 3/17/22 by 5:00 pm

Provides early support for bold, imaginative research to improve the understanding, diagnosis and treatment of autism spectrum disorders  View

Human Frontier Science Program – Research Grants: Early Career and Research Grants: Program – Amount Varies by Number of Team Members – Obtain Reference Number By: 3/24/22

Funds novel, interdisciplinary basic research into fundamental biological problems that involves new, international scientific exchanges  View

National Science Foundation #NSF 22-508 – Biodiversity on a Changing Planet – Design Track: up to $500K; Implementation Track: up to $2.5M – Proposal Due: 3/25/22 by 5:00 pm

Supports interdisciplinary, integrative research to address the functional role of biodiversity in response to changing environmental conditions  View

HUMANITIES & SOCIAL SCIENCES
National Endowment for the Arts – NEA Research Labs – $100K to $200K – Application Due: 3/28/22 by 11:59 pm

Creates transdisciplinary research partnerships to produce empirical insights about the arts  Match/Cost Share Required  View
**National Science Foundation #NSF 22-548 – EHR Core**
Research: Building Capacity in STEM Education Research – Amount Varies by Track – Proposal Due: 3/29/22 by 5:00 pm

*Builds investigators’ capacity to carry out high-quality STEM education research that will enhance the nation’s STEM education enterprise*  
[View](#)

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**HUMANITIES**

**Mid Atlantic Arts Foundation – USArtists International Travel Grants**  – Up to $18K – Application Due: 3/30/22 by 11:59 pm

*Assists U.S. performing artists across all disciplines and from all backgrounds who are seeking travel funding to perform internationally*  
[View](#)

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**National Science Foundation #NSF 22-537 – Geospace Environment Modeling (GEM)**  – Usually $450K – Proposal Due: 3/30/22 by 5:00 pm

*Supports basic research into the dynamical and structural properties of geospace, leading to models of the geospace environment with predictive capability*  
[View](#)

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**U.S. Army Research Office #W911NF-17-S-0002-08 – Broad Agency Announcement for Fundamental Research**  – Amount Varies – Proposal Due: 3/31/2022

*Provides support for cutting-edge fundamental research in a variety of scientific fields*  
[View](#)

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**U.S. Army Research Office #W911NF-17-S-0003 – Broad Agency Announcement for Basic and Applied Scientific Research**  – Amount Varies – Proposal Due: 3/31/2022

*Supports innovative research in a range of scientific areas of potential benefit to Army operations*  
[View](#)

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**HUMANITIES**

**J.M. Kaplan Fund – Furthermore Grants in Publishing: Alice Award**  – $25K – Submission Due: 4/1/22

*Recognizes a richly illustrated book making a valuable contribution to its field (incl. fine arts, natural/built environments) and demonstrating high standards of production*  
[Note Submission Criteria](#)  
[View](#)

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**Breakthrough Prize – 2023 Breakthrough Prizes in Fundamental Physics, Life Sciences and Mathematics**  – $3M – Nomination Due: 4/1/22

*Awarded to individuals who have made outstanding advances in their field and profound contributions to human knowledge*  
[View](#)
Breakthrough Prize – 2023 New Horizons Prizes in Physics and Mathematics – $100K – Nomination Due: 4/1/22
Recognizes early-career researchers who have already produced important work in their fields  View

Breakthrough Prize – 2023 Maryam Mirzakhani New Frontiers Prizes – $50K – Nomination Due: 4/1/22
Presented to early-career women mathematicians who have completed their PhDs within the previous two years  View

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

Previously Announced Funding Opportunities – January 11, 2022

HUMANITIES & SOCIAL SCIENCES
American Academy of Arts and Sciences – Humanities Policy Fellowship – $76K Per Year Plus Benefits – Application Due: 1/31/22
Recent PhDs with training in the humanities or humanistic social sciences can learn about a career in public policy and administration  View

HUMANITIES & SOCIAL SCIENCES
American Academy of Arts and Sciences – Humanities Policy Fellow for American Institutions, Society & the Public Good – $76K Per Year Plus Benefits – Application Due: 1/31/22
Recent PhDs with training in the humanities or humanistic social sciences can learn about a career in public policy and administration  View

Harry Frank Guggenheim Foundation – Emerging Scholar Awards – $25K – Application Due: 2/1/22
Recognizes Ph.D. candidates in the final year of writing a dissertation examining a salient aspect of present-day problems of violence  View

**Up to $500K – Mandatory Letter of Intent Due: 2/4/22**

*Interim bridge grants and four types of pediatric research grants support investigations into all types of cancer and its effects*  
View  
See second Alert, above, for important information

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*Provides fellowships to attract and retain talented scientists pursuing careers in cancer research in New Jersey*  
View  
See second Alert, above, for important information

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**National Science Foundation #NSF 22-546 – Partnerships for International Research and Education: Use-Inspired Research Challenges on Climate Change and Clean Energy – Up to $1.5M – Mandatory Letter of Intent Due: 2/8/22 by 5:00 pm**

*Funds interdisciplinary use-inspired research to address scientific challenges of international scale related to climate change/clean energy*  
View

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**Russell Sage Foundation & Alfred P. Sloan Foundation – Summer Institute in Computational Social Science – Amount Varies – Application Due: 2/11/22**

*Funds attendance for junior faculty/postdocs/grad students at workshop on using digital-age data sources/methods to do social research (June 19-29, 2022, Durham, NC)*  
View

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**HUMANITIES, SOCIAL SCIENCES, ENGINEERING**

**Global Warming Mitigation Project – Keeling Curve Prize – $25K – Application Due: 2/10/22**

*Recognizes projects with proven track record of removing greenhouse gases; prize categories: Carbon Sinks; Energy; Finance; Social & Cultural Pathways; Transport & Mobility*  
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**Russell Sage Foundation & Bill and Melinda Gates Foundation – Proposal Development Summer Institute (Social Sciences) – Amount Varies – Application Due: 2/11/22**

*Funds attendance for early-career social science faculty at workshop on developing research ideas into grant proposals (May 23-27, 2022, location TBD)*  
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**Open Society Foundations – Soros Equality Fellowship – $130K – Application Due: 2/14/22 by 11:59 pm**

*Supports full-time projects by midcareer professionals who are influencing and transforming the racial justice field*  
View
National Science Foundation & Department of Defense #NSF 22-538 – Convergence Accelerator–Track G, Phase 1: Securely Operating Through 5G Infrastructure – Up to $750K – Letter of Intent Due: 2/16/22 by 5:00 pm
Goal is to provide military/government/critical infrastructure operators with ability to securely operate through 5G wireless communications infrastructures  View

ALL DIVISIONS
Awarded annually for a significant contemporary contribution to the theoretical foundations of human cognition  View

ALL DIVISIONS
National Academy of Medicine – Healthy Longevity Catalyst Award – $50K – Application Due: 2/28/22 by 11:59 pm
Supports bold, new ideas on how to extend a healthy, productive, and socially-connected human lifespan in a measurable and equitable way  View

Cancer Research Institute – CRI Irvington Postdoctoral Fellowships – Up to $186K – Application Due: 3/1/22
Provides postdoc fellowships in the broad field of immunology with relevance to solving the cancer problem  View

Cancer Research Institute – CRI Irvington Postdoctoral Fellowships to Promote Racial Diversity – Up to $186K – Application Due: 3/1/22
Provides postdoc fellowships for underrepresented scientists in immunology  View

HUMANITIES & SOCIAL SCIENCES
Russell Sage Foundation & National Institute of Child Health and Human Development – Summer Institute in Migration Research Methods – Amount Varies – Application Due: 3/1/22
Workshop for junior faculty/postdocs/grad students on best-practices/methodologies for study of immigration/migrant populations (July 25-Aug 2, 2022, Berkeley, CA)  View
Department of Transportation – FY22 Small Business Innovation Research (SBIR) Program PHASE I – Usually up to $150K – Application Due: 3/7/22
Supports feasibility-related R&D by small companies on research topics of interest to the DOT  View

National Science Foundation #NSF 22-519 – Internet Measurement Research: Measurement Tool Development & Demonstration (Track 2) – Up to $600K – Proposal Due: 3/8/22 by 5:00 pm
Supports the creation and deployment of new tools to collect Internet measurement data  View

HUMANITIES
National Endowment for the Arts – Creative Writing Fellowships: Poetry – $25K – Application Due: 3/10/22 by 11:59 pm
Supports published creative writers, enabling them to set aside time for writing, research, travel, and general career advancement  View

American Chemical Society Petroleum Research Fund – New Directions Grants – $100K – Proposal Due: 3/11/22
Provides seed funding to established faculty for a new research direction  View

Promotes the careers of early-career faculty by providing start-up funding for high quality research  View

Damon Runyon Cancer Research Foundation – Postdoctoral Research Fellowships – $231K – Application Due: 3/15/22 by 4:00 pm
Funds postdoctoral fellowships into the causes and mechanisms of cancer and its treatment and prevention  View

HUMANITIES & SOCIAL SCIENCES
Princeton University Internal Funds – University Committee on Research in the Humanities and Social Sciences (UCRHSS) – $700 or More – Application Due: 3/15/22
Provides small grants to Princeton faculty members in the Humanities and
Social Sciences to support their research and scholarly work  View

Sontag Foundation – Distinguished Scientist Award – $600K – Application Due: 3/16/22
Supports early-career faculty who demonstrate outstanding promise as contributors to science relevant to brain cancer research  View

National Science Foundation #NSF 22-519 – Internet Measurement Research: Internet Measurement Related Infrastructure-Planning (Track 3) – Up to $100K – Proposal Due: 3/22/22 by 5:00 pm
Supports planning proposals for the creation of infrastructure for hosting measurement tools and data  View

Princeton University Internal Funds – Princeton Institute for International & Regional Studies (PIIRS): Graduate Summer Funding – $1K to $3K – Application Due: 3/31/22
Provides Princeton graduate students with funding for intensive language study, fieldwork, and research  View

ALL DEPARTMENTS
Princeton University Internal Funds – Center for Information Technology Policy: Microsoft Excellence Scholarships for Internships & Summer Research – Amount Varies – Application: Accepted on a Rolling Basis Until 4/15/22
Supports current Princeton graduate students in any field for internships or summer research involving information technology policy  View

Simons Foundation – Targeted Grants in Mathematics and Physical Sciences – Amount Varies – Letter of Intent:Accepted on a Rolling Basis
Supports high-risk theoretical mathematics, physics, and computer science projects of exceptional promise  View

National Science Foundation #NSF 21-509 – Division of Molecular and Cellular Biosciences: Investigator-Initiated Research Projects – Amount Varies – Proposal: Accepted on a Rolling Basis
Funds quantitative, mechanistic, predictive, and theory-driven fundamental research to promote understanding of complex living systems  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