Research Funding Announcement
March 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

Princeton Research Day is May 5, in person or online. Undergraduates, graduate students, postdocs and other early-career researchers from all areas of study should upload a 3-minute video about their research or creative work (using everyday language) by April 27 at 5:00 pm for inclusion; in addition, work may also be discussed in person on May 5 at a research networking session. A panel of judges will evaluate the video submissions for prizes and awards. Princeton Research Day is free and open to the public; friends and family may register soon.

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. Faculty, staff, postdocs, grad students and undergrads are invited to take the Hub's 4-session short course. The online June training program will be held on June 6, 8, 15, and 29 from 9:30 am-12:30 pm each day; apply by May 2. Each team of 2 or more people will receive up to $3K toward customer discovery research expenses; upon completion of the training, teams are eligible for the
national NSF I-Corps Teams program which provides an intensive 7-week training course and a $50K grant.

The new National Science Foundation Directorate for Technology, Innovation and Partnerships (TIP) will launch a set of tightly integrated initiatives to advance critical and emerging technologies; accelerate the translation of research results from the lab to market and society; and cultivate new education pathways leading to a diverse and skilled future technical workforce comprising researchers, practitioners, technicians and entrepreneurs. NSF is also repositioning much of its extensive portfolio of innovation and translation programs within the TIP Directorate.

The 2022 NSF Engineering CAREER Proposal Writing Workshops will be held virtually on May 11-13, 12:00-6:00 pm each day, for junior faculty who plan to submit a CAREER Award proposal to a program in NSF’s Directorate for Engineering. Most sessions will be open to all (register by April 15); however, the Mock Panel Review session is limited to 300 participants selected from those who submit a completed application by March 28.

These prestigious NSF CAREER Awards support early-career faculty, in any NSF-funded discipline, who have the potential to serve as academic role models in research and education and to lead advances in the mission of their department or organization. Proposals are due by 5:00 pm on July 25, 2022.

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 Aeronautics and Space Administration
#NNH22ZDA001N – Research Opportunities in Space and Earth Sciences (ROSES-2022) – Amount Varies – Submission(s) Due: Between 3/31/22 and 5/12/23*
 Supports a wide range of basic/applied research and technology in space and Earth sciences of interest to NASA’s Science Mission Directorate
*Each topic area has its own submission date(s) and requirements; see here and here}

View

Funds research to discover/develop/adopt sustainable solutions to mitigate the effects of human activities that degrade and pollute Earth

View

Burroughs Wellcome Fund – Climate Change and Human Health Seed Grants – $2,500 to $50K – Applications Reviewed Quarterly; Next Deadline is 4/11/22 by 4:00 pm

Promotes collaboration between scholars in disconnected fields who might together help mitigate the impact of climate change on human health

View

HUMANITIES & SOCIAL SCIENCES

Princeton University Internal Funds – Center for Digital Humanities: Humanities + Data Science Faculty Institute* – $5K Summer Salary – Application Due: 4/15/22 by 11:59 pm

Empowers Princeton scholars from the humanities/adjacent social sciences to engage with conceptual/practical/ethical aspects of data science

*June 2022 or January 2023

View

Princeton University Internal Funds – Dean for Research: New Ideas in the Natural Sciences – Up to $200K – Proposal Due: 4/15/22

Funds exploration of early-stage concepts/ideas that are not ready to form the basis of a competitive proposal submitted to a funding agency

View

Princeton University Internal Funds – Provost and Dean for Research: Transformative Equipment Initiative – More Than $500K* – Proposal Due: 4/18/22

Replaces equipment in shared facilities, or purchases transformative equipment in response to new research opportunities/new technologies

*A contribution from the department/center is expected

View


Funds research and career development for young faculty in selected fields in the sciences and engineering

*Proposal due 6/6/22 by 11:59 pm

View
Meta Research – Privacy Enhancing Technologies – $80K to $100K – Proposal Due: 4/20/22

Supports privacy-focused projects in selected topic areas  View

Gordon and Betty Moore Foundation – Emergent Phenomena in Quantum Physics–Flexible Funding: Equipment Grants & Rapid-Response Grants – $300K to $1.5M – Project Idea Due: 4/22/22 by 11:00 pm

Allows timely response to emerging opportunities in the field of quantum materials  View

HUMANITIES & SOCIAL SCIENCES
Spencer Foundation – Large Research Grants on Education – $125K to $500K – Mandatory Intent to Apply Due: 5/4/22 by 1:00 pm

Funds research that is relevant to the most pressing questions and compelling opportunities in education  View

Robert Wood Johnson Foundation – Interdisciplinary Research Leaders Program – Up to $353K – Application Due: 5/4/22 by 3:00 pm

Funds community-engaged research by small teams from diverse fields to help dismantle structural racism/improve health/advance health equity  View

Simons Foundation – Postdoctoral Fellowships in Marine Microbial Ecology – $270K – Application Due: 5/13/22

Provides postdoc fellowships in marine microbial ecology for scientists from a variety of fields  View

National Institutes of Health #PAR-22-071 – Toward Translation of Nanotechnology Cancer Interventions – Up to $1.9M – Application Due: 5/17/22 by 5:00 pm

Funds advanced pre-clinical research supporting translation of nanotechnology-based cancer diagnostics and therapeutics  View

International Human Frontier Science Program Organization – Postdoctoral Fellowships – Amount Varies by Host Country – Mandatory Letter of Intent Due: 5/18/22 by 1:00 pm

Funds international, interdisciplinary postdoc positions leading to new skills in the life sciences  View
HUMANITIES
Gerda Henkel Foundation – “Lost Cities” Funding Program – Amount varies – Application Due: 5/18/22
Supports grad students, postdocs, and faculty studying perception of and living with abandoned cities in the cultures of the world View

National Academies of Sciences, Engineering, and Medicine & Chan Zuckerberg Initiative – Science Diversity Leadership Award – $1.15M – Applications Due: 5/19/22 by 5:00 pm
Supports outstanding early- to mid-career faculty in biomedical sciences who have a record of promoting diversity, equity, and inclusion in their field View

National Science Foundation #NSF 22-575 – Coupling, Energetics, and Dynamics of Atmospheric Regions (CEDAR) – Typically $450K – Proposal Due 5/20/22 by 5:00 pm
Funds interdisciplinary research on the interactions of neutral and ionized atmospheres in the upper atmosphere over time and spatial scales View

National Institutes of Health – Design by Biomedical Undergraduate Teams (DEBUT) Challenge – $10K to $20K – Submission Due: 5/31/22 by 11:59 pm
Prizes awarded to undergraduate student teams developing technology solutions to unmet needs in one of four areas of healthcare View

Daiichi Sankyo, Inc. – DS Sponsored Research: Investigator-Initiated Studies – Up to $120K – Application Due: 5/31/22
Funds research in oncology, rare diseases, central nervous system, eye, heart, and autoimmune diseases to address worldwide medical needs View See attachment also

National Institutes of Health #RFA-NS-22-026 – BRAIN Initiative: Targeted BRAIN Circuits Projects – Amount Varies – Requested Letter of Intent Due: 6/1/22 by 5:00 pm*
Funds research on how circuit activity leads to mental experience and behavior using innovative, methodologically-integrated approaches *Prior consultation with NIH staff is strongly recommended View

Water Research Foundation – Paul L. Busch Award – $100K – Nominations Due: 6/1/22
Prize for innovative achievement in water quality advancements and applications View
Marconi Society – Marconi Prize – $100K – Nominations Due: 6/1/22
Awarded for a significant contribution to increasing digital inclusivity through advanced information and communications technology  View

Marconi Society – Paul Baran Young Scholar Award – $4K – Nominations Due: 6/1/22
Celebrates the next generation of leaders in advanced communications technology whose contributions will help close the digital divide  View

National Science Foundation #NSF 21-551 – Cyber-Physical Systems: FRONTIER Grants – $1.2M to $7M – Proposal Due: 6/15/22 by 5:00 pm
Funds larger projects addressing critical challenges that require considerable resources to significantly push the boundaries of CPS  View

Simons Foundation – SFARI Supplement to Enhance Equity and Diversity (SEED) – Up to $300K – Application Due: Accepted on a Rolling Basis
Funds new postdoc positions in autism science for members of underrepresented American minority groups  View

Comcast Corporation – Comcast Innovation Fund – $3K to $100K+ – Application Due: Accepted on a Rolling Basis
Supports Internet technology R&D and open source Internet software development; see website for Areas of Interest for 2022  View

Open Technology Fund – Internet Freedom Fund – Usually $50K to $200K – Application Due: Accepted on a Rolling Basis
Funds technology-focused projects that promote human rights, Internet freedom, and open societies  View

Robert Wood Johnson Foundation – Pioneering Ideas: Exploring the Future to Build a Culture of Health – Amount Varies – Phase I Proposal Due: Accepted on a Rolling Basis
Supports projects that will influence health equity in the future; focus areas include: Evidence, Social Interaction, Food, Work  View

Robert Wood Johnson Foundation – Evidence for Action:
Innovative Research to Advance Racial Equity – Amount Varies – Application Due: Accepted on a Rolling Basis

Develops evidence about ways to dismantle or remedy health inequities, and produce better outcomes for people and communities of color. View

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

Previously Announced Funding Opportunities – March 10, 2022

**HUMANITIES & SOCIAL SCIENCES**
American Council of Learned Societies & Andrew W. Mellon Foundation – Leading Edge Fellowship – $127,500 + Selected Benefits – Application Due: 3/28/22 by 9:00 pm
Recent humanities/humanistic social sciences PhDs spend two years with nonprofit organizations committed to promoting social justice. View

Meta Research Reality Labs – Controls That Matter and Considering Everyone: High-Realism VR Avatars in Virtual Work Settings – Up to $75K – Proposal Due: 3/31/22
Improve access to tactical guidance on applying social VR/values-based design/digital ethics frameworks to emergent avatar technologies. View

Princeton University Internal Funds – High Meadows Environmental Institute: Mary and Randall Hack ’69 Graduate Award for Water and the Environment – Up to $10K – Application Due: 4/1/22
Provides dissertation support to graduate students doing research on topics related to water. View

Princeton University Internal Funds – McGraw Center for Teaching and Learning: Graduate Teaching Fellows – $20 per hour – Application Due: 4/1/22*
Provides part-time summer teaching experience for Princeton graduate students. *Apply by early April for fullest consideration. View

Next Generation Internet (NGI) Assure – 8th Open Call:
Reinforce the European Blockchain Ecosystem – EURO 5K to 50K – Proposal Due: 4/1/22 by 12:00 CEST

Funds research toward objectives of “Next Generation Internet” initiative that contributes to a resilient/trustworthy/sustainably open internet

National Academy of Engineering – Awards Recognizing Engineering Excellence – Amount Varies – Nominations Due: 4/1/22

Various awards honoring lifetime dedication to engineering achievement and commitment to advancing the human condition and/or education


Funds innovative algorithm approaches for optimization of power flow for the electric power sector

Atlas Network – Templeton Freedom Award and Regional Liberty Awards – $100K or $10K – Application Due: 4/15/22

Recognizes think tanks that have made significant contributions to the understanding of freedom and free enterprise around the globe

Merck KGaA – Ferroelectric Nematics Application Challenge – Up to EUR 10,000 – Stage 1 Submission Due: 4/30/22

Competition to identify the best potential applications (by technical approach and business impact) of ferroelectric nematic liquid crystals

Merck KGaA – Future Game Changers Challenge – EUR 10,000 – Stage 1 Submission Due: 4/30/22

Competition to identify the next big thing in science and technology with the potential for substantial technological impact on humanity

Environmental Research & Education Foundation – Sustainable Solid Waste Management Practices – $15K to $500K – Mandatory Preproposal Due: 5/1/22

Supports research to improve sustainable management of solid waste

Topic Approval Request (if required) Due: 4/1/22
Gerda Henkel Foundation – “Democracy” Funding Program – Amount varies – Application Due: 5/2/22
Supports teams of postdoctoral scholars working in the fields of historical humanities  View

William T. Grant Foundation – Reducing Inequality: Major Research Grants – $100K to $600K – Mandatory Letter of Inquiry Due: 5/4/22 by 3:00 pm
Funds high-quality field-initiated studies on reducing inequality in youth outcomes  View

William T. Grant Foundation – Improving the Use of Research Evidence: Major Research Grants – $100K to $1M – Mandatory Letter of Inquiry Due: 5/4/22 by 3:00 pm
Supports studies that enhance the use of research evidence in ways that benefit youth  View

Russell Sage Foundation – Core Programs and Special Initiatives – $35K to $175K – Mandatory Letter of Inquiry Due: 5/4/22 by 2:00 pm
Supports research projects in various areas of the social sciences  View

Russell Sage Foundation – Selected Timely Issues – $35K to $175K – Mandatory Letter of Inquiry Due: 5/4/22 by 2:00 pm
Supports social science research on the Covid-19 pandemic and resulting recession, systemic racial inequality, and recent mass protests  View

Russell Sage Foundation – Visiting Researcher Awards – No Funding – Applications Due: 5/4/22 by 2:00 pm
Provides short-term office space, equipment, and library access for scholars conducting research relevant to the Foundation’s priority areas  View

National Science Foundation #NSF 22-564 – Strengthening American Infrastructure (SAI): Planning, Research & Conference Grants – Amount Varies by Type – Proposal Due: 5/5/22 by 5:00 pm
Funds multi-disciplinary, human-centered fundamental and potentially pathbreaking research aimed at strengthening America’s infrastructure Informational webinar: 3/15/22, 12-1 pm; registration required  View
Springer Nature Limited (Nature Portfolio) – Nature Research Awards for Inspiring Women in Science – $40K – Application Due: 5/6/22 by Noon UTC (8:00 am ET)

Recognizes early-career women in STEM fields, and initiatives to support the participation of girls and women in STEM View

National Institutes of Health #RFA-MH-21-175 – BRAIN Initiative: Development and Validation of Novel Tools to Probe Cell-Specific and Circuit-Specific Processes in the Brain – Amount TBD – Requested Letter of Intent Due: 5/7/22 by 5:00 pm*

Supports development of next-generation, innovative technologies to define and target specific cell types in the brain *Application due: 6/7/22 by 5:00 pm View

National Institutes of Health #PAR-21-341 – Exploratory Grants in Cancer Control – Up to $275K – Requested Letter of Intent Due: 5/7/22 by 5:00 pm*

Funds novel, early-stage research on different aspects of cancer control with potential to greatly advance population-based cancer research *Application due: 6/7/22 by 5:00 pm View

American Meteorological Society – AMS Graduate Fellowship in the History of Science – $20K – Application Due: 5/6/22

Supports students completing a dissertation on the history of the atmospheric, or related oceanic or hydrologic sciences View

HUMANITIES
National Endowment for the Humanities #0220509-AA-AB-AC-AD-AE – Humanities Initiatives at Colleges and Universities – Up to $150K – Application Due: 5/9/22*

Supports the development of new programs, resources, or courses in the humanities, or the enhancement of existing ones *Optional draft narrative due 3/28/22 View

National Science Foundation #NSF 22-568 – Future Manufacturing: Research and Seed Grants – Up to $3M – Proposal Due: 5/10/22 by 5:00 pm

Funds cross-disciplinary research to advance new cyber/eco/bio manufacturing capabilities and develop the future workforce View
National Science Foundation #NSF 22-569 – Algorithms for Modern Power Systems (AMPS) – Amount TBD – Proposal Due: 5/11/22 by 5:00 pm
Funds development of the next generation of mathematical/statistical algorithms for improvement of the security/reliability/efficiency of the modern power grid  View

National Science Foundation #NSF 22-572 – Pathways to Enable Open-Source Ecosystems: Phase I (OSE Scoping Proposals) – Up to $300K – Proposal Due 5/12/22 by 5:00 pm
Funds new managing organizations using open-source development to create technology solutions to important national/societal problems  OSE Development proposals (Phase II) will be due 10/21/22  View

Department of Defense – FY2023 Multidisciplinary Research Program of the University Research Initiative (MURI) – Up to $7.5M – Optional White Paper Due: 5/16/22 by 11:59 pm (strongly recommended)*
Funds multidisciplinary, multi-institutional, high-risk basic research in science and engineering of potential interest to DoD  *Proposals due by 9/9/22  View

HUMANITIES
National Endowment for the Humanities #20220517-PR – Research and Development Grants – Amount Varies by Tier – Application Due: 5/17/22*
Supports projects addressing challenges in preserving or accessing various humanities collections and resources  *Optional draft narrative due 4/12/22  View

Chan Zuckerberg Initiative – Patient-Partnered Collaborations for Rare Neurodegenerative Disease – $2M – Application Due: 5/24/22 by 8:00 pm
Researchers and disease organizations collaborate to advance understanding of rare neurodegenerative and neurological disorders  Virtual networking workshops for potential collaborators  View

Chan Zuckerberg Initiative – Patient-Partnered Collaborations for Single-Cell Analysis of Rare Inflammatory Pediatric Disease – $2M – Application Due: 5/24/22 by 8:00 pm
Researchers and disease organizations collaborate to advance understanding of the cellular mechanisms underlying rare inflammatory diseases  Recorded information session on both CZI opportunities  View
Supports interdisciplinary research, teaching and mentorship on issues related to water and the environment

HUMANITIES
Princeton University Internal Funds – Council of the Humanities: Belknap Visitors and Belknap Global Conversations – Amount Varies – Nomination Due: Accepted on a Rolling Basis
Supports brief campus visits by distinguished individuals in the arts and letters

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