Research Funding Announcement
April 20, 2023

Visit the Princeton Research Funding Gateway to search by area of interest.

Selected Upcoming Funding Opportunities

Sustainable Energy

Dean for Research: Innovation Fund for Exploratory Energy Research
Up to $300K

Supports the exploration of new ideas and concepts aimed at finding sustainable energy solutions

Proposal Due: May 26

Sustainable Food Packaging

Kraft Heinz: Barrier Solutions for Sustainable Food Packaging
$25K to $100K

Develop safe, recyclable or compostable barrier materials or coatings for packaging dry or aqueous food products with varying pH levels and oil content

Proposal Due: May 31
Informational webinar: May 1 at 9:00 a.m.; register here

Autism & Neurobiology

Up to $1.2M

Funds multidisciplinary teams studying ASD-relevant behaviors and their underlying neurobiological mechanisms conducted in parallel across human and non-human animals

Application Due: Jun. 15 by noon

Cell Biology

Chan Zuckerberg Initiative: Measuring Metabolism Across Scales
Focused Projects: up to

Humanities, Social Sciences, Law & Theology

University of Bergen

Engineering

United Engineering Foundation: Grants Program
Amount varies

Supports collaborative, broad-based, interdisciplinary projects that further the engineering profession as a whole, and are outside the proposing organization’s “business as usual”

Mandatory Concept Paper Due: May 1 by 6:00 p.m.
Invited Proposal Due: Aug. 1
Climate Change & Adaptation

**MIT Solve: Climate Adaptation & Low-Carbon Housing Challenge**
$10K Solver Awards; also potential for other prizes

Seeking technology-based solutions that help communities create quality low-carbon homes at scale or adapt to more extreme weather

**Application Due:** Jun. 1 by 8:00 p.m.

Neuropsychiatric Disorders

**One Mind & COMPASS Pathways: Rising Star Research Awards**
$300K + eligibility for the One Mind Rising Star Leadership Program

Supports early-career faculty researching neuropsychiatric disorders and therapeutic action

**Application Due:** Jun. 1 by 8:00 p.m.

Music

**GRAMMY Museum: 2023 Grant Program**
$5K to $20K

Supports archiving and preserving the music heritage of North America, and research on the impact of music on the human condition

**Letter of Inquiry Due:** Jun. 2

Humanities & Social Sciences

**French Institutes for Advanced Study: Fellowship Program**
Amount varies

Funds postdoc and faculty fellowships in France for scholars in the humanities, social sciences, and

<table>
<thead>
<tr>
<th>Strategy &amp; Policy Analysis</th>
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<td><strong>Smith Richardson Foundation: Strategy and Policy Fellows Program</strong></td>
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<td><strong>$60K</strong></td>
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Funds book projects by young scholars of policy analysis on international relations, policy, or security; military policy or history; and diplomatic history

**Proposal Due:** Jun. 15

Faculty Fellowships: Social & Behavioral Sciences

**Russell Sage Foundation: Visiting Scholar Grants**

Amount Varies

Funds residential fellowships in New York City for faculty in the social, economic, political and behavioral sciences

**Application Due:** Jun. 27 by 11:59 p.m.
Sep. 6 by 1:00 p.m.
Applicants must be AACR Active members related interdisciplinary fields in the natural sciences

Application Due: Jun. 6 by 6:00 p.m. Paris, France Time

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Climate & Cancer

**National Institutes of Health: Impacts of Climate Change Across the Cancer Control Continuum #PAR-23-153**
Amount varies

Supports research on effects of climate change across the cancer control continuum, and ways to prevent or mitigate negative health effects

Requested Letter of Intent Due: May 5 by 5:00 p.m.
Application Due: Jun. 5 by 5:00 p.m.

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Understanding Supply Chains

**National Science Foundation: Next Generation Supply Chains #NSF 23-080**
Amount varies

Supports fundamental research to advance the scientific understanding of global supply chains under a wide variety of operating conditions

Proposals accepted anytime, but submission by Jun. 1 is encouraged for FY 2023 funding consideration

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Accelerator Science

**Department of Energy, Office of Science: Program in High Energy Physics – DOE Traineeship in Accelerator Science & Engineering #DE-FOA-0003025**
$500K to $5M

Provides support for graduate students in specific disciplines or sub-disciplines in accelerator science and engineering

Application Due: Jun. 6 by 11:59 p.m.
*FAQ document*

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Diversity in Cancer Research

**National Institutes of Health: Exploratory Grant Award to Promote Workforce Diversity in Basic Cancer Research #PAR-21-061**
Up to $275K in direct costs

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Social Relationships & Wellbeing

**National Institutes of Health: Research on Biopsychosocial Factors of Social Connectedness and Isolation on Health, Wellbeing, Illness, and Recovery #PAR-21-350**
Amount Varies

Funds research on social relationships and their effects on health, illness, recovery, and overall wellbeing

Application Due: Jun. 21 by 5:00 p.m.

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Challenges Confronting Society

**National Science Foundation: Centers for Research and Innovation in Science, the Environment and Society (CRISES) #PD 23-265Y**
Amount varies
**Health: Centers of Excellence in Genomic Science #PAR-23-098**
Up to $7.5M in direct costs
Establishes multi-investigator, interdisciplinary teams to develop integrated, transformative, high-risk, high-payoff genomic approaches to address a biomedical problem

Requested Letter of Intent Due: May 11 by 5:00 p.m.
Application Due: Jun. 23 by 5:00 p.m.

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**Measurement Science**

**National Institute of Standards and Technology (NIST): Small Business Innovation Research (SBIR) Program Phase I #2023-NIST-SBIR-01**
Up to $100K
Assists small companies with strong research capabilities to evaluate the scientific and technical merit and feasibility of ideas with commercial potential in areas of interest to NIST

Application Due: May 22 by 11:59 p.m.

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**Ocean Exploration**

**National Oceanic and Atmospheric Administration: Ocean Exploration #NOAA-OAR-OER-2024-2007964**
$75K to $1M
Supports research in the areas of deep ocean exploration and discovery, maritime heritage, and ocean technologies

Mandatory Pre-Proposal Due: May 30 by 4:59 p.m.
Invited Proposal Due: Oct. 5 by 11:59 p.m.

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**Bioengineering**

**National Institutes of Health: Exploratory & Developmental Bioengineering Research Grants #PAR-22-090**
Up to $275K in direct costs
Funds study of novel scientific ideas or new model systems, tools, and technologies with potential for major impact on biomedical and biobehavioral research

Application Due: Jun. 16 by 5:00 p.m.

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**Cancer Imaging & Therapy**

**National Institutes of Health: Microbial-based Cancer Imaging and Therapy – Bugs as Drugs #PAR-22-086**
Up to $275K
Supports multidisciplinary studies of tumor-microbe interactions needed to develop new cancer imaging, diagnosis, and therapy strategies

Application Due: Jun. 16 by 5:00 p.m.

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**Materials Science**

**National Science Foundation: Condensed Matter and Materials Theory – Topical Materials Research #NSF 22-610**
Usually $170K to $640K
Supports fundamental theoretical and computational materials research in selected topical areas

Proposals accepted anytime
Civil Infrastructure & Climate Change

National Science Foundation: Civil Infrastructure Research for Climate Change Mitigation and Adaptation (CLIMA) #NSF 23-079
Amount varies

Supports interdisciplinary research and conferences on sustainability, resilience, equity, and accessibility of civil infrastructure under the evolving conditions induced by climate change

Email Inquiry must be made prior to proposal submission
Invited proposals accepted anytime, but submission by May 31 is encouraged for FY 2023 funding consideration
Informational webinar: May 4, 2:00-3:30 p.m.

Solar Power & Photovoltaics

$250K or $400K, depending on Topic Area

Through a streamlined application process, funds seedling R&D projects focusing on innovative and novel ideas in photovoltaics and concentrating solar-thermal power

Application Due: Jun. 1 by 5:00 p.m.

Dynamic Systems

National Science Foundation: Dynamics, Control and Systems Diagnostics #PD 22-7569
Amount varies; some project areas have budgetary limits

Promotes the fundamental science and engineering of dynamic systems to advance solutions to urgent societal problems

Proposals accepted anytime
PIs are strongly encouraged to email a brief Project Summary prior to submitting a full proposal

Your Princeton Team
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.

Alerts & Notices

For Entrepreneurs Licensing University-Developed IP

Princeton’s Empower 2023 Conference and Pitch Competition celebrating women academic entrepreneurs and all founders commercializing / licensing university IP will be held online on April 26-28. All are welcome to attend.

Startups that are commercializing or licensing university-developed IP (from any academic institution), and are committed to diversity, equity and inclusion, have been invited to pitch at the competition. Winners will receive cash and in-kind prizes, as well as expert mentoring and curated meetings with venture capital firms.

Revised PAPPG FAQs available

NSF has issued revised Frequently Asked Questions (FAQs) On Proposal Preparation and Award Administration Related to the NSF Proposal & Award Policies & Procedures Guide (PAPPG) (NSF 23-1). Any questions should be directed to the Policy Office in the Division of Institution and Award Support at policy@nsf.gov.

Funding Opportunities for Early-Career Scientists

A free webinar on April 26, 2:00-3:00 p.m., will show early-career scientists how funding opportunities at the DOE Office of Science are identified, applied for, granted, and managed. A general overview of DOE Office of Science funding opportunities will be followed by a focus on funding opportunities for early-career scientists. Questions from the audience as well as prepared questions will be addressed by the speakers.

White House Unveils New Goals to Advance
The Biden-Harris Administration has announced a new report, *Bold Goals for U.S. Biotechnology and Biomanufacturing: Harnessing Research and Development to Further Societal Goals*, to advance biotechnology and biomanufacturing, strengthen America’s bioeconomy and supply chain, and support American innovation. The report goals are supported by more than $1 billion in Department of Defense funding.

The report serves as a guide for public and private sector efforts to harness the full potential of biotechnology and biomanufacturing to develop innovative solutions for multiple economic sectors, create jobs, build robust supply chains, lower energy costs for families, and achieve the administration's climate goals.

For more information, view the full report, White House Factsheet, and DOE’s Factsheet on Biotechnology & Biomanufacturing.

### Previously Announced Opportunities

**March 23, 2023**

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<tr>
<th>Faculty Fellowship in Italy</th>
<th>Drug Delivery</th>
<th>Lung Cancer Research</th>
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<tr>
<td>Princeton Internal</td>
<td>PhRMA Foundation: Drug Delivery – Predoctoral/Postdoctoral Fellowships &amp; Faculty Research Starter Grants</td>
<td>Lung Cancer Research Foundation: Minority Career Development Award in Lung Cancer</td>
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<tr>
<td>Rockefeller Foundation: 2024 Bellagio Center Residency Program</td>
<td>$30K to $120K; varies by award type</td>
<td>Up to $1.50K</td>
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<td>Room &amp; board, private studio; travel funding may be available</td>
<td>Supports grad students, postdocs, and early-career faculty pursuing drug delivery research</td>
<td>Supports early-stage scientists from underrepresented groups working in diverse areas of lung cancer research including basic, clinical, translational, disparities, and social determinants of health</td>
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<td>Provides 4-week opportunity to forge cross-disciplinary and cross-cultural connections while advancing a specific breakthrough project that demonstrates clear social impact</td>
<td>Mandatory Letter of Intent Due: May 15 by noon</td>
<td>Proposal Due: May 31</td>
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<td><em>In each Fellowship category, only one applicant per lab is allowed.</em></td>
<td>Invited Application Due: Sep. 1 by noon</td>
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**Water Research**

For more information, view the full report, White House Factsheet, and DOE’s Factsheet on Biotechnology & Biomanufacturing.
Impact and charitable purpose

Pre-Application Assessment
Due: Apr. 26 by 5:00 p.m.
Invited Application Due: May 17 by 5:00 p.m.

Alternatives to Animals in Research

International Foundation for Ethical Research: Graduate Student Fellowships for Alternatives to the Use of Animals in Science
Up to $37,500
Awarded to grad students whose proposals show great potential to reduce, replace, or refine the use of animals in research, testing, and/or education
Mandatory Pre-Proposal Due: Apr. 30 by 11:59 p.m. CST

Improving PK-12 Mathematics Instruction

National Council of Teachers of Mathematics: Action Research on Mathematics Teaching Practices
Up to $6K
Supports collaborative research by university faculty, preservice teachers, and classroom teachers seeking to improve their teaching of mathematics in PK-12 classrooms
Proposal Due: May 1

Quantum Materials

$500K to $1.5M

Communications Technology

Marconi Society: Paul Baran Young Scholar Award
$5K
Celebrates the next generation of young leaders in advanced communications technology whose contributions will help close the digital divide
Nomination Due: May 15
Nominees must be 27 years old or younger

International Collaboration

Japan Agency for Medical Research and Development & New York Academy of Sciences: Interstellar Initiative Program
Up to 3 million JPY per team of 3 participants, plus travel expenses
Increases international and interdisciplinary collaboration among early-career faculty, under the guidance of established mentors, to address research challenges on the complex mechanisms of living organisms
Application Due: May 22 by 2:00 a.m.

Lung Cancer Research

Lung Cancer Research Foundation: LCRF – Daiichi Sankyo – AstraZeneca Research Grant on Antibody Drug Conjugates
Up to $270K
Funds innovative projects focused on antibody-drug

Water Research Foundation: Paul L. Busch Award
$100K
Prize for innovative achievement in water quality advancements and applications
Nomination Due: Jun. 1

Bioethics

National Academy of Medicine: Greenwall Fellowship in Bioethics
$25K research grant
Enables early-career faculty to participate actively in the work of the National Academies and further their careers as future leaders addressing bioethics issues in clinical care, biomedical research, public health, and public policy
Nomination Packet Due: Jun. 1 by 3:00 p.m.
Offered in odd-numbered years

Examining Democracy

Gerda Henkel Foundation: "Democracy" Funding Program
Amount varies
Supports teams of postdoctoral scholars working in the fields of historical humanities
Application Due: Jun. 6

Immunology & Vaccine Development

Michelson Medical Research Foundation: Michelson Prizes – Next Generation Prize
$150K
Supports projects with potential to achieve breakthroughs in the study of quantum materials

Project Ideas Due: May 5 by 11:59 p.m.

Drug Discovery

PhRMA Foundation: Drug Discovery Targets & Pathways – Predoctoral/Postdoctoral Fellowships & Faculty Research Starter Grants
$30K to $120K; varies by award type

Supports grad students, postdocs, and early-career faculty pursuing drug discovery research

Mandatory Letter of Intent Due: May 15 by noon
Invited Application Due: Sep. 1 by noon
In each Fellowship category, only one applicant per lab is allowed

Ovarian Cancer Research

Tell Every Amazing Lady About Ovarian Cancer
Louisa M. McGregor Ovarian Cancer Foundation (T.E.A.L.): Medical Research Program
Up to $10K per year

Provides funding in support of ovarian cancer research studies in order to find a screening test and a cure

Proposal Due: May 31

Informatics & Data Science

National Institutes of Health: National Library of Medicine – Research Grants in Biomedical Informatics and Data Science #PAR-23-034
Up to $1M in direct costs

Supports novel methods to foster data-driven discovery in biomedical and clinical health sciences in order to improve human health

Application Due: Jun. 5 by 5:00 p.m.
Potential applicants are strongly encouraged to discuss their proposed

Mathematics

National Science Foundation: Research Training Groups in the Mathematical Sciences #NSF 20-608
Up to $2.5M

Supports research groups in mathematical sciences involving undergrads, grad students, and postdocs to improve their training

Proposal Due: Jun. 6 by 5:00 p.m.

Cancer Research

National Institutes of Health: NCI Transition Career Development Award #PAR-21-128
$150K to $450K

Supports research by early-career scientists in human immunology and vaccine development

Application Due: Jun. 11

Immigrant Biomedical Scientists

Vilcek Foundation: 2024 Vilcek Prizes for Creative Promise in Biomedical Science
$50K

Recognizes immigrant early-career faculty demonstrating outstanding achievement in biomedical science

Application Due: Jun. 12 by 5:00 p.m.
Computational Genomics & Bioinformatics
National Institutes of Health: Investigator Initiated Research in Computational Genomics and Data Science #PAR-21-254
Up to $500K

Bioengineering
National Institutes of Health: Bioengineering Research Grants #PAR-22-242
Amount Varies
Seeks to address major biomedical research problems with a multidisciplinary approach that bridges life sciences and physical sciences
Application Due: Jun. 5 by 5:00 p.m.
Three deadlines yearly: Feb. 5, Jun. 5, Oct. 5 through 2025

Population Research
National Institutes of Health: The Role of Work in Health Disparities in the U.S. #PAR-21-275
Amount Varies
Funds population-based research to help identify and describe ways that work and occupation influence health outcomes among selected minority groups
Application Due: Jun. 5 by 5:00 p.m.
Additional Application Deadlines: Oct. 5, 2023; Feb. 5 and Jun. 5, 2024

Diversity in Biomedical Sciences
National Institutes of Health: Maximizing Opportunities for Scientific and Academic Independent Careers (MOSAIC) Postdoctoral Career Transition Award to Promote Diversity #PAR-21-271
Amount varies
Supports the transition of postdocs from diverse backgrounds into independent faculty members in the biomedical sciences
Application Due: Jun. 12 by 5:00 p.m.
Additional Application Deadlines: Oct. 12, 2023; Feb. 12 and Jun. 12, 2024

Diversity in Neuroscience
National Institutes of Health: NINDS Faculty Development Award to Promote Diversity in Neuroscience Research #PAR-21-234
Up to $975K
Funds supervised career development and scientific mentoring for promising junior investigators in neuroscience who are from groups underrepresented in biomedical research
Application Due: Jun. 12 by 5:00 p.m.
Additional Application Deadlines: Oct. 12, 2023; Feb. 12 and Jun. 12, 2024

Sociology
National Science Foundation & U.S.-Israel Binational Science Foundation: NSF-BSF Collaborative Research Proposals in Sociology #PD 98-1331
Amount Varies
Supports basic research on all forms of human social organization (societies, institutions, groups and demography) and processes of individual and institutional change, in collaboration with Israeli scientists
Proposals Accepted Anytime

Biomedical & Health Research
National Institutes of Health, Advanced Research Projects Agency for Health (ARPA-H): Open-Office Broad Agency Announcement #75N99223S0001
Amount varies
Supports development of groundbreaking new ways to tackle health-related challenges across the spectrum of technology readiness, from high-potential, high-impact biomedical and health research to the introduction of new prototypes into the marketplace
Mandatory Abstract Due: open until Mar. 14, 2024, 3:00 p.m.
Potential applicants are strongly encouraged to discuss their proposed project with a designated ARPA-H BAA technical contact prior to submitting an abstract
Funds research in computational genomics, data science, statistics, and bioinformatics that is broadly applicable to human health and disease

Application Due: Jun. 5 by 5:00 p.m.  
Additional Application Deadlines: Oct. 5, 2023; Feb. 5 and Jun. 5, 2024

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**Wireless Spectrum**

**National Science Foundation: Spectrum and Wireless Innovation Enabled by Future Technologies – Satellite-Terrestrial Coexistence (SWIFT-SAT) #NSF 23-567**  
Up to $750K  
Focuses on satellite-terrestrial coexistence, covering both radio-spectrum and optical-wavelength coexistence necessary for effective utilization and sharing of the wireless spectrum  
Proposal Due: Jun. 5 by 5:00 p.m.

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**Diversity in Cancer Research**

**National Institutes of Health: Exploratory Grant Award to Promote Workforce Diversity in Basic Cancer Research #PAR-21-061**  
Up to $275K in direct costs  
Supports postdocs and early-career faculty from diverse backgrounds doing innovative research in basic cancer biology  
Application Due: Jun. 14 by 5:00 p.m.  
Additional Application Deadline: Nov. 17

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**Improved Microbatteries**

**Department of Energy, Office of Energy Efficiency and Renewable Energy: Microbattery Design Prize**  
Phase I: $75K plus performance & safety testing services  
Advances innovative new designs for microbatteries and accelerates their commercialization and integration into existing technologies needed for clean energy manufacturing  
Phase I Design Submission Due: Jun. 29 by 5:00 p.m.  
Informational Webinar: Apr. 12 at 2:00 p.m.

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**Cybersecurity & Privacy**

**National Science Foundation: Secure and Trustworthy Cyberspace (SaTC) #NSF 22-517**  
Amount varies by Designation and Project Class  
Advance cybersecurity and privacy through holistic approach to research, development, education, and transition of promising ideas into practice  
Proposals Accepted Anytime

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**National Science Foundation & German Research Foundation: NSF Secure and Trustworthy Cyberspace (SaTC) Program – Collaborative Proposals in Cybersecurity #NSF 23-05**  
Up to $600K  
Helps reduce some of the current barriers to working internationally to advance cybersecurity and privacy  
Proposals Accepted Anytime

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**Basic & Applied Scientific Research**

**Department of Defense, Army Research Laboratory (ARL): Broad Agency Announcement for Foundational Research #W911NF-23-S-0001**  
Amount varies by topic and purpose  
Supports innovative research in a range of scientific areas of potential benefit to Army operations  
Suggested White Paper Due: Open continuously
Do you know of an upcoming funding opportunity to share with your Princeton colleagues?

Please email it to cefr_funding@princeton.edu at least four weeks prior to the application due date, and we will include it in an upcoming Funding Announcement and/or add it to the Princeton Research Funding Gateway. Thank you!