Research Funding Announcement
May 4, 2023

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

Selected Upcoming Funding Opportunities

**Humanities**

- **Humanities Council: Working Groups**
  - Amount varies
  - Supports interdisciplinary reading and discussion groups at Princeton on humanities-related topics
  - Proposal accepted any time

**Visitors in the Humanities**

- **Humanities Council: Eberhard L. Faber IV Memorial Lectures**
  - Up to $3,500
  - Brings eminent writers, critics, scholars to campus for lectures, colloquia, workshops and discussions in the field of literature
  - Application accepted anytime from Department Chairs and Program Directors; usually submitted a full semester in advance

**Health Equity Research**

  - $260K
  - Enhances the supports, resources, and community for early-career faculty from underrepresented backgrounds who are conducting health equity research
  - Mandatory Letter of Intent Due: May 31 by 3:00 p.m.
  - Invited Proposal Due: Sep.

**Prominent Women in Science**

- **L’Oréal Foundation: 2024 L’Oréal-UNESCO For Women in Science International Awards – Life & Environmental Sciences**
  - 100,000 Euros
  - Recognizes eminent women throughout the world for their contributions to the advancement of science; fields alternate yearly
  - Nomination Due: Jun. 28 by 11:00 a.m.

**Chemistry, Physics & Astronomy**

- **Research Corporation for Science Advancement: Cottrell Scholars Program**
  - $120K
  - Supports research by exceptional early-career faculty in chemistry, physics, and astronomy who demonstrate potential for academic leadership
  - Proposal Due: Jul. 1 by 11:59 PST

**Awards in Science & in Culture**

- **Damon Runyon Cancer Research Foundation:**
Solar Radiation Management

Simons Foundation: Solar Radiation Management
Up to $1.5M

Supports collaborative research to fill fundamental scientific knowledge gaps relevant to Solar Radiation Management and any potential environmental and societal impacts from its use.

Mandatory Letter of Intent Due: May 31 by noon
Invited Proposal Due: Oct. 3 by 11:00 a.m.

Advanced Technology & Digital Inclusion

Marconi Society: 2024 Marconi Society: 2024
$100K

Awarded for a significant contribution to increasing digital inclusivity through advanced information and communications technology.

Nomination Due: Jun. 30

Wildfire Detection & Suppression

XPRIZE Foundation, Gordon & Betty Moore Foundation, Pacific Gas & Electric: Wildfire Competition
First Place: $3.5M; also potential Milestone Prizes

Competition to spur innovation across a wide range of firefighting technologies to dramatically improve the rapid detection and suppression of destructive wildfires.

Track A Early Registration Due: Jun. 30 (entry fee $500)
Track A Standard Registration Due: Aug. 31 (entry fee $1,000)
Track B deadlines: Aug. 31 ($500) and Oct. 31 ($1,000)

Damon Runyon-Rachleff Innovation Investigators

$400K with potential for renewal

Supports early-career faculty doing innovative, early-stage, high-risk/high-reward, cancer-related research.

Application Due: Jul. 6 by 4:00 p.m.
See Eligibility requirements.

Climate Change & Human Health

Burroughs Wellcome Fund: Climate Change and Human Health Seed Grants
$2,500 to $50K

Fosters new connections among scholars, practitioners, educators, and communicators who may together mitigate climate change’s impact on human health.

Proposal Due: Jul. 12 by 4:00 p.m.

Transforming Education Systems for Equity

Spencer Foundation: Vision Grants
Up to $75K

Planning grants to collaboratively develop large-scale, methodologically and disciplinarily diverse research projects focused on transforming educational systems toward greater equity.

Intent to Apply Form Due: Aug. 15 by 1:00 p.m.
Proposal Due: Sep. 14 by 1:00 p.m.
Informational webinar: May 19, 2:00 p.m.
Human Origins

Leakey Foundation: Research Grants
Up to $30K

Funds research related to human origins by advanced graduate students, postdocs, and independent investigators

Application Due: Jun. 15
Additional Due Dates: Jan. 10 and Jun. 15, annually

Synthetic Biology

National Institutes of Health: Notice of Special Interest (NOSI) – Synthetic Biology for Biomedical Applications #NOT-EB-23-002
Amount varies

Various NIH Institutes are encouraging new applications to advance interdisciplinary research activities relevant to synthetic biology and its impact on human health

Application due dates vary; earliest is May 16; many RFPs continue into 2024 or 2025
Interested PIs are strongly encouraged to discuss their proposed research/aims with a program officer well in advance

Cybersecurity Education

National Science Foundation: Supporting Cybersecurity & Privacy Education and Workforce Development #NSF 23-091
Amount varies

Funds novel and early-stage R&D to transform scientific discovery into products and services with commercial potential and/or societal benefit

Invited Proposal Due: Jul. 5 by 5:00 p.m.
A Project Pitch must be submitted before a proposal invitation will be issued

Neuroscience

National Institutes of Health: BRAIN Initiative

Archaeology

National Science Foundation: Archaeology Program Senior Research Awards #NSF 23-566
Typically $200K to $350K

Supports anthropologically relevant archaeological research to increase understanding of past behaviors

Proposal Due: Jul. 3
Two deadlines annually: Dec. 1 and Jul. 1

Early-Stage Small Business R&D

Department of Defense: Small Business Innovation Research (SBIR) Program, Phase I #SBIR 23.2 BAA
Amount varies

Funds efforts by small businesses to conduct R&D in certain defense-related topic areas and to commercialize the results of that R&D

Proposal Due: Jun. 14 by noon

Early-Stage Small Business R&D

Department of Defense: Small Business Technology Transfer (STTR) Program, Phase I #STTR 23.B BAA
Amount varies

Supports joint small business-university efforts to conduct R&D in certain defense-related topic areas and to commercialize the results of that R&D

Proposal Due: Jun. 14 by noon

Additional Submission
Solar Energy


$2M to $4M

Diverse teams of research and development partners will develop new state-of-the-art planning and operations tools to help increase the resilience and availability of solar energy systems.

Mandatory Concept Paper Due: Jun. 5 by 5:00 p.m.
Application Due: Aug. 15 by 5:00 p.m.

*A Teaming Partner List is available here*

Electrical Grid Modernization

**Department of Energy: Grid Modernization Initiative**

Amount varies by topic and supporting DOE office

Multi-stakeholder teams (including DOE National Labs and academia) advance key research and development priorities needed to build a resilient, reliable, flexible, secure, sustainable, affordable, and equitable electrical grid.

Project Concept Due: Jun. 5 by 5:00 p.m.
Application Due: Aug. 15 by 5:00 p.m.

This RFP offers expedited review and funding for transformative approaches for formal or informal educational innovations in cybersecurity and privacy.

Project Summary Due: May 23 by 5:00 p.m.
Invited Proposal Due: Jul. 7 by 5:00 p.m.

Advanced Postdoctoral Career Transition Award to Promote Diversity #RFA-MH-23-331

Amount varies

Supports the timely transition of postdocs from diverse backgrounds into independent faculty members in neuroscience.

Application Due: Jun. 14 by 5:00 p.m.

*Three deadlines yearly in Feb., Jun. and Oct. through Feb. 2026*

Cyber-Physical Systems

**National Science Foundation: Cyber-Physical Systems – FRONTIER Grants #NSF 21-551**

$1.2M to $7M

Funds larger projects addressing critical challenges that require considerable resources to significantly push the boundaries of cyber-physical systems.

Proposal Due: Jun. 15 by 5:00 p.m.

Unforeseen Influences on Public Health

**National Institutes of Health: Time-Sensitive Research Opportunities in Environmental Health Sciences #RFA-ES-23-004**

Up to $275K

Funds research to help understand the consequences of natural and human-made disasters, emerging environmental public health threats, and policy changes.

Requested Letter of Intent Due: Jul. 1 by 5:00 p.m.
Application Due: Aug. 1 by 5:00 p.m.

Window: Jul. 6 – Nov. 1

Groundbreaking Achievements in Science

**Department of Energy: Enrico Fermi Award**

$100K honorarium split among one or more recipients

Recognizes exceptional scientific, technical, engineering, policy, and/or management achievement related to the broad missions of the DOE and its programs.

Nomination Due: Jul. 10 by 5:00 p.m.

Social, Behavioral & Economic Sciences

**National Science Foundation: Human Networks and Data Science – Core Research (HNDS-R) #NSF 23-568**

Typically $350K to $400K

Supports advances in theory/method in a core social, behavioral and economic discipline via application of data and network science methods.

Proposal Due: Jul. 13 by 5:00 p.m. (by permission only)
PIs must consult with the HNDS program officer before submission for permission and guidance

Additional Deadlines: 2nd Thursdays in Jan. and in Jul., annually

Faculty Development

**National Science Foundation: Faculty Early Career Development Program (CAREER) #NSF 22-586**

Minimum of $400K to $500K, including indirect costs

This RFP offers expedited review and funding for transformative approaches for formal or informal educational innovations in cybersecurity and privacy.

Window: Jul. 6 – Nov. 1
Concept Presentations (virtual): Jun. 14
Invited Proposal Due: Jul. 24
Informational webinar: May 15, time TBD

Humanities & Humanistic Social Sciences

National Endowment for the Humanities: Humanities Collections and Reference Resources #20230718-PW
Foundations: Up to $50K (+$10K for inter-institutional activities); Implementation: Up to $350K

Supports collaborative projects that provide an essential underpinning for scholarship, education, and public programming in the humanities

Optional Draft Due: Jun. 6 by 11:59 p.m.
Application Due: Jul. 18 by 11:59 p.m.

Culture Change in Biology

National Science Foundation: Leading Culture Change Through Professional Societies of Biology (BIO-LEAPS) #NSF 22-542
$500K to $2M

Fosters culture change within the field of biology by leveraging the work of professional societies to move towards an equitable and inclusive culture

Proposal Due: Jul. 3 by 5:00 p.m.
Additional Due Dates: Jul. 1, 2024 and Jul. 1, 2025

Physical & Energy Sciences

Department of Energy, Office of Science: Broad Agency Announcement – Financial Assistance Program #DE-FOA-0002844
$5K to $5M

Annual, broad, open solicitation that covers all research areas in the DOE’s Office of Science

Application Due: Any time until Sep. 30 by 11:59 p.m.
Submission of a Pre-Application and discussion with a program manager is strongly encouraged prior to submitting a full application

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

Join Princeton alumni, students, faculty and guests for the Reunions 2023 Tiger Entrepreneurs Conference and Pitch Competition
Register now for free tickets for educational entrepreneurial sessions, an exciting pitch competition featuring Princeton founders, plus breakfast, lunch, and a closing reception. Alumni, students, faculty, postdocs, staff, parents, and their guests are invited to attend this event on Friday, May 26, 9:00 a.m.-4:00 p.m., at the Friend Center.

For Budding Entrepreneurs of All Ages

Apply by May 15 at 5:00 p.m. for the June Propelus I-Corps training program offered by the Princeton-led National Science Foundation Innovation-Corps (I-Corps) Northeast Hub.

This four-session online program (June 5, 7, 14, 28; 9:30 a.m.-12:30 p.m. each day) helps researchers explore how their discoveries and inventions can meet the needs of people and industries. Participants work with experienced entrepreneurial mentors to build relationships and gain skills in an inclusive, welcoming environment.

Teams are eligible for grants of up to $3,000. Open to faculty, postdoctoral researchers, graduate students, and undergraduates who are developing a university discovery in science or technology at any university, college, or research institution in the Northeast.

Learn about NSF’s Grantmaking Activities

The National Science Foundation’s Spring 2023 NSF Virtual Grants Conference will be held June 5-8 via Zoom. Designed to give new faculty, researchers, and administrators key insights into a wide range of current issues at NSF, the conference will provide up-to-date information about policies, procedures, and specific funding opportunities, as well as answer attendee questions. Registration is free, and opens on Wednesday, May 10 at noon; early registration is encouraged as sessions often reach capacity very quickly. Registration links and event details will be available shortly. Conference sessions will also be recorded, and accessible online shortly after the event.

Summer Support for Humanities Faculty

The NEH Summer Stipends program aims to stimulate new research in the humanities and its publication by supporting the work of individual scholars doing research or writing. Princeton may nominate only two faculty members for consideration by NEH, and will be running an internal competition to select the two candidates. Interested faculty should email Mike Hodges in CEFR as soon as possible for more information about the selection process.

Previously Announced 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

### 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

Submission Due: May 9

### Cell Biology

#### Chan Zuckerberg Initiative: Measuring Metabolism Across Scales
Focused Projects: up to $250K; Expanded Projects: up to $500K

Supports collaborative research measuring metabolism across organelles and cells to accelerate innovative discoveries in health and disease

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.

### 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

### Humanities, Social Sciences, Law & Theology

#### University of Bergen (Norway): Holberg Prize
6,000,000 Norwegian Krone (approx. $600K)

Annual prize honoring exceptional contributions to research in the humanities, social sciences, law or theology

Nomination Due: Jun. 15

### Music

#### Andy Warhol Foundation: Arts Writers Grant
$15K to $50K

Supports emerging or established writers (including art historians and curators) who write articles or books about post-WWII visual art for general or specialized art audiences

Application Due: May 17 by 11:59 p.m.
Cancer Research

American Association for Cancer Research & Novocure: AACR-Novocure Cancer Research Grants
$350K + Novocure’s Inovitro® system, if needed

Supports innovative research on Tumor Treating Fields by researchers experienced in this area, or by those interested in entering the field. The Inovitro® system (provided by Novocure, if needed), must be included in the experimental design.

Mandatory Letter of Intent Due: May 30 by 1:00 p.m. Invited Application Due: Sep. 6 by 1:00 p.m. Applicants must be AACR Active members.

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 related interdisciplinary fields in the natural sciences.

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

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.

Understanding Supply Chains

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

Supports fundamental research.

Cancer Research

National Institutes of Health: NCI Small Grants Program for Cancer Research, 2023-2025 (NCI Omnibus) #PAR-23-058
Up to $100K in direct costs

Supports discrete, well-
### 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.

### Undergrounding the Power Grid
Department of Energy, ARPA-E: Grid Overhaul with Proactive, High-Speed Undergrounding for Reliability, Resilience, and Security #DE-FOA-0003047
$250K to $10M
Develops new technologies that reduce costs, increase speed, and improve reliability and safety of undergrounding the electric power grid

Mandatory Concept Paper Due: May 9 by 9:30 a.m.
Invited Full Application Due: TBD

### Genomics
National Institutes of 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.

<table>
<thead>
<tr>
<th><strong>Research Area</strong></th>
<th><strong>Program Details</strong></th>
<th><strong>Funding Information</strong></th>
<th><strong>Application Deadline</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Accelarator Science</strong></td>
<td>Department of Energy, Office of Science: Program in High Energy Physics – DOE Traineeship in Accelerator Science &amp; Engineering #DE-FOA-0003025</td>
<td>$500K to $5M</td>
<td>Jun. 6 by 11:59 p.m. (FAQ document)</td>
</tr>
<tr>
<td><strong>Social Relationships &amp; Wellbeing</strong></td>
<td>National Institutes of Health: Research on Biopsychosocial Factors of Social Connectedness and Isolation on Health, Wellbeing, Illness, and Recovery #PAR-21-350</td>
<td>Amount Varies</td>
<td>Jun. 21 by 5:00 p.m.</td>
</tr>
<tr>
<td><strong>Diversity in Cancer Research</strong></td>
<td>National Institutes of Health: Exploratory Grant Award to Promote Workforce Diversity in Basic Cancer Research #PAR-21-061</td>
<td>Up to $275K in direct costs</td>
<td>Jun. 14 by 5:00 p.m. (Additional Application Deadline: Nov. 17)</td>
</tr>
<tr>
<td><strong>Challenges Confronting Society</strong></td>
<td>National Science Foundation: Centers for Research and Innovation in Science, the Environment and Society (CRISES) #PD 23-265Y</td>
<td>Amount varies</td>
<td>Jun. 26 by 5:00 p.m. (Target Date)</td>
</tr>
</tbody>
</table>

| **Bioengineering** | National Institutes of Health: Exploratory & Developmental | | |

Research Communication & Coordination
Climate Change Mitigation

Infrastructure Research for Foundation: Civil National Science

Climate Change Civil Infrastructure &

OER-2024-2007964 Explorations #NOAA-OAR-

Administration: Ocean Atmospheric National Oceanic and

Ocean Exploration NIST-SBIR-01 Program Phase I #2023-

Standards and Technology NIST: Small Business

Measurement Science 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.

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.

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

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. 

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. 

Biomedical Sciences & Engineering/Physical Sciences

National Institutes of Health: Trailblazer Award for New and Early Stage Investigators #PAR-24-022 Up to $400K in direct costs

Supports new trans-disciplinary research that integrates engineering and the physical sciences with the life and/or biomedical sciences

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

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

Engineering & Natural Sciences


Supports basic research in the natural sciences and engineering in areas of interest to the Air Force

Proposals accepted anytime
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.

**Minority Health & Health Disparities**

National Institutes of Health: NIMHD Exploratory/Developmental Research Grant Program #PAR-23-111

Up to $275K in direct costs

Supports exploratory or developmental research with the potential to increase knowledge, improve minority health, and/or reduce health disparities.

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

Three deadlines yearly: Feb. 16, Jun. 16, Oct. 16 through Feb. 2026

**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.

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!