Research Funding Announcement
December 9, 2021

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.

As we approach the new semester, we again ask that you contact us as early as possible with any funding opportunities, be they University-supported, or funded by external sources. We are always looking to add to our database of funding knowledge and your help is greatly appreciated. If you know of an opportunity that is not currently being advertised, please contact Michael Hodges at mh24@princeton.edu.

Alerts and Notices

Engage 2021, Princeton University's 2nd annual innovation and entrepreneurship conference, was live streamed December 1-2, 2021. The conference focused on opportunities available for researchers, innovators, entrepreneurs and external partners. More than 80 speakers explored how industry, entrepreneurship and technology licensing translate research into applications; how academia, business and government can work together; and specific areas of transformational research at Princeton.

Recordings of all twenty sessions of Engage 2021 are available online. (If you
did not register for the conference, you will be asked to do a quick easy registration with your email.)

Engage 2021 was hosted by Princeton Innovation and organized by the Office of Corporate Engagement and Foundation Relations.

The National Science Foundation has released enhancements to the Research.gov Proposal Submission System, NSF Public Access Repository, and NSF.gov Award Search. See the above attachment for more information.

We anticipate publishing the next issue of the Research Funding Announcement around December 20.

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)

Merck KGaA – Future Insight Prize – Up to €1,000,000 – Nomination Due: 12/31/21
Honors achievements in science and technology toward an innovation important for the future of humanity; 2022 topic: Energy–CO2 Conversion
View

IBM Research – Herman Goldstine Postdoctoral Fellowship in Mathematical and Computer Sciences – $150K – Application Due 12/31/21
Provides outstanding young scientists the opportunity to advance their scholarship as resident department members at an IBM Research lab
View

Moderna – Research Fellowship – $175K to $525K – Application Due: 12/31/21
Supports research fellowships in mRNA therapeutics and in disease areas currently under investigation by Moderna
View
Greenwall Foundation – Making a Difference in Real-World Bioethics Dilemmas – Amount Varies – Mandatory Letter of Intent Due: 1/4/22 by 11:59 pm
Supports research on emerging or unanswered bioethics problems in clinical, biomedical or public health decision-making, policy or practice
View

Department of Energy #DE-FOA-0002585 – Scientific Discovery Through Advanced Computing: Partnerships in Earth System Model Development – $5M to $15M – Mandatory Pre-Application Due: 1/13/22 by 5:00 pm
Funds collaborations using DOE high performance computers to advance Earth system modeling via mathematical and computational solutions
View

HUMANITIES
Princeton University Internal Funds – Humanities Council: Co-Sponsorships – Up to $2,500 – Funding Request Form Due: 1/24/22
Helps fund humanities-related programs (e.g., conferences/workshops/colloquia, lectures/readings/performances, interdisciplinary courses, reading groups)
View

HUMANITIES & SOCIAL SCIENCES
Spencer Foundation – Large Research Grants on Education – $125K to $500K – Mandatory Intent to Apply Due: 1/26/22 by 1:00 pm
Funds research that is relevant to the most pressing questions and compelling opportunities in education
View

L’Oréal USA – For Women in Science Fellowship Program – $60K – Application Due: 1/28/22 by 11:59 pm
Supports exceptional female scientists looking to advance their research and serve as role models for the next generation of girls in STEM
View

Welch Foundation – Robert A. Welch Award in Chemistry – $500K – Nomination Due: 1/31/22
Fosters basic chemical research and recognizes the value of chemical research contributions for the benefit of humankind
View

American Cancer Society – Research Professor Grants – Up to $400K – Mandatory Letter of Intent Due: 2/1/22
Supports investigators (full professor for 15 years or less) who have made
seminal contributions that changed the direction of basic cancer research

ALL DEPARTMENTS
Princeton University Internal Funds – Dean of the College: 250th Anniversary Fund for Innovation in Undergraduate Education – Amount Varies – Proposal Due: 1/31/22
Supports innovation in the undergraduate curriculum through new or reimagined courses in any subject at any level

HUMANITIES
Princeton University Internal Funds – Humanities Council: Old Dominion Research Professors – Amount Varies – Application Due: 2/1/22
Provides additional research time for Princeton faculty (at full professor level) and to enhance the humanities community more broadly

National Science Foundation #NSF 19-551 – Growing Convergence Research – Up to $1.2M – Proposal Due: 2/7/22 by 5:00 pm
Funds multidisciplinary team research addressing grand and complex problems at the nexus of traditional disciplines

National Science Foundation #NSF 22-525 – Partnerships in Astronomy & Astrophysics Research and Education – Amount Varies – Proposal Due: 2/7/22 by 5:00 pm
Funds partnerships to build research capacity and foster a diverse, inclusive environment for astronomy and astrophysics research/education

National Science Foundation #NSF 21-516 – Mid-Career Advancement – Amount Varies – Proposal Due: 2/7/22 by 5:00 pm
Allows Associate Professors to markedly advance their research program through synergistic partnerships (NSF Directorates: BIO, GEO, ENG, SBE, HER)

National Science Foundation #NSF 22-516 – Office of Polar Programs Postdoctoral Research Fellowships – $160K – Proposal Due: 2/7/22 by 5:00 pm
Provides fellowships for postdocs new to polar research (including social scientists) or who propose applying techniques new to polar science
National Institutes of Health #PAR-21-128 – NCI Transition Career Development Award – $150K to $450K – Application Due: 2/12/22 by 5:00 pm
Supports postdocs transitioning to tenure-track faculty positions in cancer research  View

National Science Foundation #NSF 21-517 – Integrative Strategies for Understanding Neural and Cognitive Systems – $500K to $3M – Proposal Due: 2/14/22 by 5:00 pm
Supports innovative, boundary-crossing research seeking to understand complex aspects of neural and cognitive systems  View

Esther A. & Joseph Klingenstein Fund – Klingenstein-Simons Fellowship Awards in Neuroscience – $225K – Application Due: 2/15/22 by 11:59 pm
Supports early-career faculty seeking to understand the mechanisms underlying neurological and behavioral disorders  View

National Science Foundation #NSF 22-519 – Internet Measurement Research: Methodologies and Methods (Track 1) – Up to $600K – Proposal Due: 2/15/22 by 5:00 pm
Supports methodologies for Internet measurement spanning access (both wireless and fixed broadband) and core Internet  View

National Science Foundation #NSF 20-613 – Formal Methods in the Field – $100K to $750K – Proposal Due: 2/15/22 by 5:00 pm
Brings together researchers in formal methods with those in other areas of computer/information science and engineering to jointly develop rigorous methodologies  View

National Science Foundation #NSF 21-559 – National Robotics Initiative 3.0: Innovations in Integration of Robotics – $250K to $1.5M – Proposal Due: 2/22/22 by 5:00 pm
Funds cross-disciplinary, collaborative research in the innovative integration of robotic technologies to the benefit of humans  View

Agilent Technologies – Early Career Professor Award – $120K – Nomination Due: 2/25/22
2022 topic area: development of AI/Machine Vision technologies for intuitive Collaborative Robots as a flexible next-gen workforce in manufacturing  View
Princeton University Internal Funds – SPIA: Overdeck Education Innovation Fund – Up to $10K – Letter of Intent Due: Accepted on a Rolling Basis

Supports creative, interdisciplinary programs, and faculty and student research projects, that address important issues in K-9 education  View

Princeton University Internal Funds – Data-Driven Social Science Initiative (DDSS): Small-Scale Grants – Up to $5K – Application Due: Accepted on a Rolling Basis

Funds development of new project ideas, working groups, data sets, data management, research infrastructure, and seminars/conferences  View

HUMANITIES
Princeton University Internal Funds – Humanities Council: Faculty Outreach Grants – Amount Varies – Proposal Due: Accepted on a Rolling Basis

Supports public humanities ventures such as events/co-sponsorships with public/nonprofit/community organizations, or humanities programming  View

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

Previously Announced Funding Opportunities – November 23, 2021

Department of Energy ARPA-E #DE-FOA-0002625 – Harnessing Emissions into Structures Taking Inputs from the Atmosphere (HESTIA) – $500K to $10M – Required Concept Paper Due: 12/20/21 by 9:30 am

Supports development of low-cost technologies to nullify embodied greenhouse gases and transform buildings into net carbon storage structures  View

Department of Energy ARPA-E #DE-FOA-0002626 – Harnessing Emissions into Structures Taking Inputs from the Atmosphere SBIR/STTR (HESTIA SBIR/STTR) – $260K to $3.7M – Required Concept Paper Due: 12/20/21 by 9:30 am

Supports development of low-cost technologies to nullify embodied
greenhouse gases and transform buildings into net carbon storage structures  View

National Bureau of Economic Research – Postdoctoral Fellowship in Environmental & Energy Policy & the Economy – $90K – Application Due: 1/18/22 by 11:59 pm
Provides a 12-month residential fellowship in Cambridge, MA for a recent PhD or junior faculty member  View

National Science Foundation #NSF 22-511 – Computer and Network Systems (CNS): Core Programs, Large – $1.2M to $3M – Proposal Due: 1/18/22 by 5:00 pm
Invites proposals tackling ambitious problems in computing and networking that are well suited to an integrated systems-oriented approach  View

National Science Foundation #NSF 21-627 – Research on the Science and Technology Enterprise: Indicators, Statistics, and Methods (NCSES S&T) – $150K to $300K – Proposal Due 1/18/22 by 5:00 pm
Funds wide range of analytic and methodological projects to support NCSES surveys or train researchers to use large-scale datasets  View

National Science Foundation #NSF 21-623 – Human-Environment and Geographical Sciences Program (HEGS) – Amount Varies by Funding Category – Proposal Due: 1/18/22
Supports projects on the nature, causes and/or consequences of the spatial distribution of human activity and/or environmental processes  View

New York Stem Cell Foundation – NYSCF-Druckenmiller Postdoctoral Fellowships – Up to $122K – Applications Due: 1/19/22 by 5:00 pm
Trains and supports postdoctoral fellows in the pursuit of innovative and groundbreaking stem cell research for the treatment of disease  View

Johan Skytte Foundation – Johan Skytte Prize in Political Science – SEK 500,000 – Nomination Due: 1/21/22
Awarded for remarkable achievements within the field of political science  View

National Institutes of Health #RFA-HG-21-041 – New
Investigators to Promote Workforce Diversity in Genomics, Bioinformatics, or Bioengineering/Biomedical Imaging Research – Up to $2.5M – Requested Letter of Intent Due: 1/22/22 by 5:00 pm
Funds research by early-career faculty from diverse backgrounds, including those from groups underrepresented in the health-related sciences

American Geosciences Institute – William L. Fisher Congressional Geoscience Fellowship – $78K – Application Due 1/23/22
Fellows experience the legislative process first-hand and make practical contributions to the effective and timely use of geoscientific knowledge

National Science Foundation #NSF 22-507 – Principles and Practice of Scalable Systems: Planning Grants & Large Grants – $250K to $5M – Proposal Due: 1/24/22 by 5:00 pm
Funds basic, collaborative research on scalability, performance, and correctness/accuracy of modern applications, systems, and toolchains

National Science Foundation #NSF 21-622 – Integrative Research in Biology (IntBIO) – $750K to $2M – Proposal Due: 1/25/22 by 5:00 pm
Supports collaborative work on bold questions in biology that require an interdisciplinary approach to produce groundbreaking discovery

National Science Foundation #NSF 22-510 – Dark Dimensions of the RNA Regulome (D2R2): An Ideas Lab Activity (in-person, June 13-17, 2022) – Costs of Attendance will be Covered – Required Preliminary Proposal Due: 1/31/22 by 5:00 pm
Convenes diverse set of researchers from multiple disciplines to stimulate innovative research to advance understanding of non-coding RNAs

National Science Foundation #NSF 21-611 – FARE Facility and Instrumentation Request Process: Tracks 1-3 – Funding Varies by Track – Statement of Interest Due: Date Varies by Track & Project Start Date (See Summary of Solicitation Requirements)
Provides funding to make specialized instrumentation and facilities available for use by the atmospheric science research community
Best regards,
Coleen Burrus
Director