

From: [Research Funding Announcement from the Office of the Dean For Research](#) on behalf of [Coleen Burrus](#)
To: [RESEARCH-FUNDING email list](#)
Subject: Research Funding Announcement - May 5, 2022
Date: Thursday, May 5, 2022 10:59:39 AM
Attachments: [NJ ACTS Pilot Program Year 5.pdf](#)



Research Funding Announcement May 5, 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 [Princeton Alliance for Collaborative Research and Innovation \(PACRI\)](#), a new initiative from the Office of the Dean for Research, **invites proposals for collaborative research projects in any discipline, co-led by principal investigators from Princeton and from a PACRI partner institution** (current HBCU partners are Howard, Jackson State, and Prairie View A&M universities, Spelman College, and the Univ. of Maryland Eastern Shore). Funding of **up to \$250K per project is available**; all faculty and staff eligible for PI status at Princeton are encouraged to submit a [brief online application](#) no later than June 30. Corporate Engagement and Foundation Relations is holding **virtual information sessions** on the PACRI program (all faculty and staff are welcome to attend) on **Wed., May 11 at 2 pm** and **Tues., May 17 at 12 noon**. To learn more and get connected with the PACRI partner institutions, [email](#) Kelly Freidenfelds in CEFR.

Princeton graduate students and postdoctoral researchers **interested in entrepreneurship** may apply by May 20 to attend the [Princeton Startup Bootcamp](#) on May 26 (virtual) and June 1-2 (in person). This intensive program,

offered twice yearly in January and June, is presented by VentureWell, a leading startup accelerator.

REMINDER NSF is holding a free [Virtual Grants Conference](#) during the week of June 6-10; registration opens on May 11. The conference will give faculty, researchers, and administrators key insights into a wide range of current issues at NSF, provide up-to-date information about specific funding opportunities, and answer attendee questions.

NSF has issued a [Dear Colleague Letter](#) highlighting its continued interest in interdisciplinary research for the creation and development of **novel biosensing/actuating All-In-One platforms for rapidly evolving or emerging biological threats**. Proposals are accepted at any time.

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 Science Foundation #NSF 22-574 – Training-based Workforce Development for Advanced Cyberinfrastructure (CyberTraining) – \$300K to \$1M – Proposal Due: 5/16/22 by 5:00 pm

Helps prepare and grow the CI research workforce to enable/transform fundamental research and education, and contribute to economic competitiveness and security [View](#)

Burroughs Wellcome Fund – Climate and Health Interdisciplinary Award – \$375K – Mandatory Pre-Proposal Due: 5/25/22 by 2:00 pm

Funds collaborative, exploratory, interdisciplinary work to comprehensively assess or mitigate the impacts of climate change on human health [View](#) **See also Burroughs Wellcome Fund – Climate Change and Human Health Seed Grants, below (due date of 6/29)**

NASA #80HQTR22NOA01-22ESI-B2 – Space Technology Research: Early Stage Innovations – Up to \$650K – Requested Notice of Intent Due: 5/25/22 by 5:00 pm

Fosters fundamental research to develop innovative, early-stage technologies of high priority to NASA's Mission Directorates [View](#)

National Science Foundation #NSF 22-583 – Convergence Accelerator 2022 Cohort, Phase 1 (Planning)–Track H: Enhancing Opportunities for Persons with Disabilities – Up to \$750K – Mandatory Letter of Inquiry Due: 5/31/22 by 5:00 pm

Researchers, practitioners, and stakeholders from various disciplines/sectors work on use-inspired solutions to enhance quality of life, employment access, or opportunities [View](#)

National Science Foundation & Commonwealth Scientific and Industrial Research Organisation (Australia) #NSF 22-583 – Convergence Accelerator 2022 Cohort, Phase 1 (Planning)–Track I: Sustainable Materials for Global Challenges – Up to \$750K – Mandatory Letter of Inquiry Due: 5/31/22 by 5:00 pm

Uses advances in fundamental materials science/design/manufacturing to help develop more environmentally- and economically-sustainable materials and products [View](#)

National Science Foundation #NSF 22-583 – Convergence Accelerator 2022 Cohort, Phase 1 (Planning)–Track J: Food and Nutrition Security – Up to \$750K – Mandatory Letter of Inquiry Due: 5/31/22 by 5:00 pm

Address intertwined challenges in supporting population health, combating climate change, and addressing the nutritional needs of the most vulnerable [View](#)

National Science Foundation #NSF 22-074 – Quantum Manufacturing: EARLY-concept Grants for Exploratory Research (EAGER) – Up to \$300K – Mandatory Research Concept Outline Due: 6/1/22 by 5:00 pm*

Supports exploratory, early-stage work addressing scalable processes/process control to enable or accelerate the manufacturing of quantum devices *In addition, proposals for Quantum Manufacturing: Standard Research Grants may be submitted at any time [View](#)

One Mind & COMPASS Pathways – Rising Star Research Awards – \$300K – Application Due: 6/6/22 by 8:00 pm

Supports early-career faculty researching neuropsychiatric disorders and therapeutic action [View](#)

Department of Defense #STTR 22.B BAA – Small Business Technology Transfer (STTR) Program, Phase I – Amount Varies – Proposal Due: 6/15/22 by 12:00 pm

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

[View](#)

Department of Defense #SBIR 22.2 BAA – Small Business Innovation Research (SBIR) Program, Phase I – Amount Varies – Proposal Due: 6/15/22 by 12:00 pm

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

[View](#)

Burroughs Wellcome Fund – Climate Change and Human Health Seed Grants – \$2,500 to \$50K – Proposals Reviewed Quarterly; Next Deadline is 6/29/22 by 4:00 pm

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

[View](#)

See also Burroughs Wellcome Fund – Climate and Health Interdisciplinary Award, above (due date of 5/25)

ALL DEPARTMENTS

Princeton University Internal Funds – Princeton Alliance for Collaborative Research and Innovation (PACRI) – Up to \$250K – Application Due: 6/30/22

Funds collaborative research projects in any field, co-led by Princeton faculty/staff eligible for PI status and faculty at participating HBCUs

For more information, see the first “Alert,” above [View](#)

Mark Foundation for Cancer Research – Endeavor Awards – Up to \$3M – Mandatory Letter of Intent Due: 7/13/22

Supports collaborative research in the prevention, diagnosis, and treatment of cancer

Informational webinars: May 19, 4:00 pm; May 24, 2:00 pm; May 26, 10:00 am

[View](#)

National Science Foundation #NSF 19-506 – Partnerships for Innovation: Technology Translation Track (PFI-TT)* – Up to \$250K – Proposal Due: 7/13/22

Supports the transition of NSF-funded discoveries from the lab to the marketplace to benefit society

***The PFI-TT Track is Open Call. The Research Partnerships Track (PFI-RP; up to \$550K) is Limited Submission – Princeton may submit only one PFI-RP proposal; if interested, email Mike Hodges in CEFR as soon as possible.**

[View](#)

National Science Foundation #NSF 22-589 – Future of Semiconductors: Teaming for Co-Design Research Capacity (FuSe Teaming Grants) – Up to \$100K per Participating Organization – Proposal Due: 7/18/22 by 5:00 pm

Funds team planning activities to use multidisciplinary, holistic co-design to accelerate advances in semiconductor technology [View](#)

ALL DEPARTMENTS

Government of Canada – Banting Postdoctoral Fellowships – \$140K (CAD) – Application Due: 9/21/22 by 8:00 pm

Funds two-year postdoctoral fellowships in Canada in health research, natural sciences, engineering, social sciences, and humanities [View](#)

National Science Foundation #NSF 22-517 – Secure and Trustworthy Cyberspace (SaTC) – Amount Varies – Proposal Due: Accepted on a Rolling Basis

Advance cybersecurity and privacy through holistic approach to research/development/education, and transition of promising ideas into practice [View](#) A “[Dear Colleague Letter](#)” encourages submission of novel, high-impact proposals to SaTC to advance knowledge on the integrity of information

HUMANITIES

Princeton University Internal Funds – Humanities Council: Working Groups – Amount Varies – Proposal Due: Accepted on a Rolling Basis

Supports interdisciplinary reading and discussion groups at Princeton on humanities-related topics [View](#)

National Science Foundation #NSF 21-506 – Division of Integrative Organismal Systems Core Programs – Amount Varies – Proposal Due: Accepted on a Rolling Basis

Funds integrative, interdisciplinary research aimed at understanding why organisms are structured the way they are and function as they do [View](#)

National Science Foundation #NSF 21-507 – Plant Genome Research Program – Up to \$5M – Proposal Due: Accepted on a Rolling Basis

Supports research on the structure/function of plant genomes, or the development of innovative tools/technologies/resources to advance such research [View](#)

National Science Foundation #NSF 21-508 – Transitions to Excellence in Molecular and Cellular Biosciences Research (Transitions) – Up to \$750K – Proposal Due: Accepted on a Rolling Basis

Professional development and research support to accomplished faculty to transition toward potentially transformative research in molecular/cellular biosciences [View](#)

Didn't see anything that matches your current need for funding? Try searching the [Princeton Research Funding Gateway](#).

Previously Announced Funding Opportunities – April 21, 2022

New Jersey Alliance for Clinical and Translational Science (NJ ACTS) – Pilot Program Year 5 – Amount Varies – Mandatory Letter of Intent Due: 5/6/22 by 11:59 pm

Provides pilot grants to increase collaborative biomedical research among faculty at Princeton, NJIT, and Rutgers [See attachment for more information](#)

Meta Research – 2022 Towards Trustworthy Products in AR, VR, and Smart Devices – Up to \$75K – Proposal Due: 5/11/22 by 5:00 pm

Supports research into the security, privacy, and integrity of mixed-reality and smart device products [View](#)

Meta Research – 2022 Meta Security Research – \$65K to \$100K – Proposal Due: 5/11/22 by 5:00 pm

Funds research on secure code, systems, and processes, and on improving how users manage privacy settings and understand how their data is protected [View](#)

Meta Research – 2022 Networking for AI – \$50K – Proposal Due: 5/23/22 by 5:00 pm

Supports research on all aspects of networking for AI/machine learning applications [View](#)

National Oceanic and Atmospheric Administration #NOAA-

OAR-OER-2023-2007237 – Oceanic and Atmospheric Research (OAR): Ocean Exploration – \$75K to \$750K – Mandatory Pre-Proposal Due: 5/24/22 by 4:59 pm

Supports research in the areas of deep ocean exploration and discovery, maritime heritage, and ocean technologies [View](#)

Chan Zuckerberg Initiative – napari Plugin Foundations Grants – \$20K – Application Due: 6/1/22 by 8:00 pm

Improve quality of existing plugins for cell biology (documentation/user support/usability/reliability) or establish foundational plugins for cell biology analyses [View](#)

HUMANITIES & SOCIAL SCIENCES

French Institutes for Advanced Study – Fellowship Program – Amount Varies – Application Due: 6/2/22 by 6:00 pm (Paris, France Time)

Funds fellowships in France for scholars in the humanities, social sciences, and related interdisciplinary fields in the natural sciences [View](#)

HUMANITIES & SOCIAL SCIENCES

French Institutes for Advanced Study – Sorbonne University-Paris IAS Research Chair on Major Societal Changes – Amount Varies – Application Due: 6/2/22 by 6:00 pm (Paris, France Time)

Funds a faculty fellowship in Paris; AY24 topic: impacts and ethical dimensions of environmental transition and/or artificial intelligence [View](#)

ALL DEPARTMENTS

Durham University (UK) – Institute of Advanced Study: 2023-24 Distinguished Fellowships (3 months) – £3,000 + Travel + Accommodation – Application Due: 6/17/22

Leading scholars collaborate with Durham colleagues on projects of major intellectual, scientific, political and practical significance; check list of 2023-24 topics [View](#)

National Science Foundation #NSF 22-579 – Spectrum Innovation Initiative: National Radio Dynamic Zones – \$500K to \$2M – Proposal Due: 6/21/22 by 5:00 pm

Advance the use of dynamic spectrum sharing through interdisciplinary projects to achieve potential benefits of additional spectrum access [View](#)

Robert Wood Johnson Foundation – Research in Transforming Health and Health Care Systems – \$50K to \$350K – Mandatory

Pre-Proposal Due: 6/24/22 by 3:00 pm

Supports policy-relevant, community-engaged research that helps improve the affordability of high-quality, equitable healthcare [Informational webinar: May 3, 2:00-3:00 pm](#) [View](#)

Russell Sage Foundation – Visiting Scholar Grants – Amount Varies – Application Due: 6/28/22 by 11:59 pm

Funds residential fellowships in New York City for faculty in the social, economic, political and behavioral sciences [View](#)

National Science Foundation #NSF 22-551 – Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR) Programs Phase I – Up to \$275K – Invited Proposal Due: 6/30/22 by 5:00 pm*

Funds early-stage R&D to transform scientific discovery into products and services with commercial potential and/or societal benefit *A Project Pitch can be made anytime; 3 deadlines yearly for invited proposals [View](#)

Damon Runyon Cancer Research Foundation – Damon Runyon-Rachleff Innovation Investigators – \$400K – Application Due: 7/1/22 by 4:00 pm

Supports early-career faculty doing innovative, early-stage cancer-related research [View](#)

Research Corporation for Science Advancement – Cottrell Scholars Program – \$100K – Proposal Due: 7/1/22

Supports research by exceptional early-career faculty in chemistry, physics, and astronomy who demonstrate potential for academic leadership [View](#)

National Science Foundation #NSF 22-542 – Leading Culture Change Through Professional Societies of Biology (BIO-LEAPS) – \$500K to \$2M – Proposal Due: 7/1/22 by 5:00 pm

Fosters culture change within the field of biology by leveraging the work of professional societies to move towards an equitable and inclusive culture [View](#)

National Science Foundation #NSF 22-586 – Faculty Early Career Development Program (CAREER) – \$400K to \$500K – Proposal Due: 7/27/22 by 5:00 pm

Supports the professional and leadership development of early-career faculty in any NSF-supported field of study [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