From: Research Funding Announcement from the Office of the Dean For Research on behalf of Corporate Engagement & Foundation Relations Funding
To: RESEARCH-FUNDING email list
Subject: Research Funding Announcement - November 3 2022
Date: Thursday, November 3, 2022 2:58:28 PM

PRINCETON Research Funding Gateway — Hosted by the Dean for Research

Research Funding Announcement November 3, 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

CONGRATULATIONS! Zemer Gitai (Molecular Biology) was presented with the third annual Dean for Research Award for Distinguished Innovation at the Celebrate Princeton Innovation event on October 13. June Huh (Math) has been named a 2022 MacArthur Fellow; these "MacArthur genius grants" are awarded by the John D. and Catherine T. MacArthur Foundation. Felix Heide (Computer Science) has been awarded a 2022 Packard Fellowship for Science and Engineering from the David and Lucile Packard Foundation.

The Research & Development Council of New Jersey has announced the winners of the 2022 Edison Patent Awards, the State's highest recognition for inventors and innovators. The R&D Council will honor David MacMillan (Chemistry) with its premier award, the Science and Technology Medal, at a ceremony this evening, November 3.

The American Physical Society has selected the following Princeton faculty members for 2023 awards: Pierre-Thomas Brun (Chemical & Biological

Engineering): Early Career Award for Soft Matter Research; Frank Calaprice (Physics, emeritus): Hans A. Bethe Prize; Sujit Datta (Chemical & Biological Engineering): Early Career Award for Biological Physics Research; Pablo Debenedetti (Chemical & Biological Engineering): Aneesur Rahman Prize for Computational Physics; Nathalie de Leon (Electrical & Computer Engineering): Rolf Landauer & Charles H. Bennett Award in Quantum Computing; Ali Yazdani (Physics): Oliver E. Buckley Condensed Matter Physics Prize. Congratulations to all these faculty colleagues!

The New Jersey Economic Development Authority has issued a Request for Information seeking input on a pilot program to attract clean energy manufacturers to NJ, and capitalize on the manufacturing resurgence taking place nationwide. RFI responses will help shape a proposed NJEDA grant or forgivable loan program that would offset the costs for NJ businesses or institutions that procure clean energy technologies from clean energy manufacturers establishing or expanding a manufacturing presence in the Garden State. Responses are due by 1:00 pm on November 22.

NSF has launched new webpages to help the research community connect its funding opportunities with related societal challenges. Webpages on three topics–Biotechnology to Advance the U.S. Bioeconomy, Emerging Infectious Diseases, and Life on a Warming Planet–also help identify the connections between programs in different directorates and cross-cutting efforts.

Selected Upcoming Funding Opportunities

(Go to the Princeton Research Funding Gateway to search for additional opportunities that meet your areas of interest)

Princeton University Internal Funds – Data-Driven Social Science Initiative (DDSS): Large-Scale Grants – Over $5K* – Application Due: 11/11/22

Funds projects at the forefront of quantitative social science research
***Applications are reviewed monthly (October to May) for Small Scale Grants of up to $5K** View

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Paul G. Allen Frontiers Group – 2023 Allen Distinguished Investigator Awards – $1.5M – Mandatory Letter of Intent Due: 11/15/22 by 3:00 pm

Supports innovative early-stage research projects into Extracellular Vesicles or Sex Hormones that have potential to reinvent these fields
View

National Science Foundation #NSF 22-624 – Astronomy and Astrophysics Research Grants – Amount TBD – Proposal Due: 11/15/22 by 5:00 pm

Funds individual investigator and collaborative research and development

projects in astronomy and astrophysics View

HUMANITIES & SOCIAL SCIENCES

Huntington Library – Long-Term & Short-Term Fellowships; Travel Grants & Exchange Fellowships – Amount Varies – Application & Letters of Recommendation Due: 11/15/22 by 11:59 pm PST

Residential fellowships promote scholarship in humanities and history on the basis of The Huntington's library holdings and art collections View

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Department of Energy #DE-FOA-0002832 – FY2023 Research Opportunities in High Energy Physics – $60K to $15M (on Average) – Recommended Letter of Intent Due: 11/16/22 by 5:00 pm*

Supports research and experiments that explore the frontiers of high energy physics ***Application due December 21 by 11:59 pm; informational webinar on November 8, 2:00 pm** View

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Amcor Limited – Moisture Barrier Solutions for PET Food and Beverage Containers – Amount TBD – Proposal Due: 11/30/22

Funds research on moisture barrier solutions that meet requirements for performance and cost, and lead to eco-friendly, recyclable packaging View

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Institute for Citizens and Scholars & Mellon Foundation – Mellon Emerging Faculty Leaders Award – $17,500 – Application & Letters of Recommendation Due: 12/1/22

Supports progress toward tenure for scholars who are building inclusive campus communities through their teaching, scholarship, and service View

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Burroughs Wellcome Fund – Next Gen Pregnancy Initiative – Up to $500K – Application Due: 12/1/22 by 3:00 pm

Apply expertise from outside traditional reproductive sciences to biomedical causes/molecular mechanisms underlying adverse pregnancies View

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National Science Foundation #PD 98-1391 – Archaeometry and Senior Archaeological Research Awards – Amount Varies – Proposal Due: 12/1/22 (Archaeometry) or 12/20/22 (Archaeology)

Supports development/refinement of anthropologically-relevant archaeometric techniques, and archaeological research led by senior PIs View

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Spencer Foundation – Small Research Grants Program – Up to $50K – Proposal Due: 12/5/22 by 1:00 pm

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

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Princeton University Internal Funds – Andlinger Center for Energy and the Environment: Gerhard R. Andlinger Visiting Fellows – Amount Varies* – Application Due: 12/5/22 by 11:59 pm

Supports distinguished visitors who enhance diversity and excellence of the Center's intellectual/academic life and strongly support its mission ***Fellows coming without the financial support of their regular employer will be offered a stipend** View

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National Academies of Sciences, Engineering, and Medicine & Ford Foundation – Ford Foundation Fellowship Programs: Dissertation and Postdoctoral Fellows* – Up to $28K – Application Due: 12/8/22 by 5:00 pm

Increase ethnic and racial diversity among the future professoriate, and maximize the educational benefits of diversity ***See next entry for Predoctoral Fellowships** View

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National Academies of Sciences, Engineering, and Medicine & Ford Foundation – Ford Foundation Fellowship Programs: Predoctoral Fellows* – $81K – Application Due: 12/15/22 by 5:00 pm

Increase ethnic and racial diversity among the future professoriate, and maximize the educational benefits of diversity ***See previous entry for Dissertation and Postdoctoral Fellowships** View

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HUMANITIES

National Endowment for the Humanities – Institutes for Advanced Topics in the Digital Humanities – Up to $250K – Optional Draft Due: 12/15/22*

Supports national or regional training programs for scholars and graduate students to broaden their knowledge of digital humanities ***Full application due February 15, 2023 (anticipated date)** View

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IBM Research – Herman Goldstine Postdoctoral Fellowship in Mathematical and Computer Sciences – Amount Unknown – Application & Letters of Recommendation Due: 12/31/22 by 11:59 pm

Provides outstanding young scientists the opportunity to advance their scholarship as resident department members at an IBM Research lab

View

National Institutes of Health #RFA-HG-21-006 – Transformative Nucleic Acid Sequencing Technology Innovation and Early Development (R01) – Up to $2.8M in Direct Costs – Requested Letter of Intent Due: 1/2/23 by 5:00 pm*

Funds research to develop significant advances in DNA and RNA sequencing ***Application due February 1, 2023. For a R21 Exploratory/Developmental Research Grant opportunity in the same area, see #RFA-HG-21-007 below.** View

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National Institutes of Health #RFA-HG-21-007 – Transformative Nucleic Acid Sequencing Technology Innovation and Early Development (R21) – Up to $400K in Direct Costs – Requested Letter of Intent Due: 1/2/23 by 5:00 pm*

Supports early-stage research on new technologies to advance DNA and RNA sequencing ***Application due February 1, 2023** View

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National Science Foundation #NSF 22-637 – Mid-Scale Research Infrastructure-1: Design and Implementation Projects – $400K to $19.9M – Mandatory Preliminary Proposal Due: 1/5/23 by 5:00 pm

Supports the design/implementation of research infrastructure — including equipment, cyberinfrastructure, large-scale datasets and personnel View

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National Institutes of Health #PA-22-176 – Omnibus Solicitation of NIH, CDC, FDA for Small Business Innovation Research Grants – Up to $276K for Phase I Awards – Application Due: 1/5/23 by 5:00 pm*

Helps U.S. small businesses develop promising technologies and products that align with the NIH/CDC/FDA missions to improve health and save lives **Application due dates: January 5 or April 5, 2023** View

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National Institutes of Health #PAR-22-105 – Dissemination and Implementation Research in Health – Amount Varies – Requested Letter of Intent Due: 1/5/23 by 5:00 pm*

Funds work to identify/develop/test strategies to disseminate and implement evidence-based interventions into public health, clinical practice, and community settings ****Three application deadlines annually in February, June, and October*** View

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National Institutes of Health #PAR-22-181 – Research Opportunities for New and "At-Risk" Investigators to Promote Workforce Diversity – Amount Varies – Application Due: 1/6/23

by 5:00 pm*

Funds research by PIs from diverse backgrounds, including those from underrepresented groups, that meets the mission of certain NIH Institutes
****Three application deadlines annually in January, May, and September***
View

Volvo Environment Prize Foundation – Volvo Environment Prize – SEK 1.5 million – Nomination Due: 1/10/23

Recognizes excellence in any discipline that has relevance to the environment; work must clearly show impacts outside of the specific field
View

National Science Foundation #NSF 23-500 – Social, Behavioral, Economic Sciences (SBE) Postdoctoral Research Fellowships – $80K to $160K – Proposal Due: 1/10/23 by 5:00 pm

Encourages independence early in the fellow's career by supporting their research and training goals View

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National Science Foundation #NSF 19-506 – Partnerships for Innovation: Technology Translation Track (PFI-TT)* – Up to $250K – Proposal Due: 1/11/23 by 5:00 pm

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 per submission deadline (January and July); if interested, email Mike Hodges in CEFR as soon as possible.** View

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Simons Foundation – Simons Foundation Autism Research Initiative (SFARI) 2023 Winter Pilot Award – Up to $300K – Application Due: 1/12/23 by 5:00 pm

Provides early support for bold, imaginative research to improve the understanding, diagnosis and treatment of autism spectrum disorders
View

Whitehall Foundation – Research Grants and Grants-in-Aid – $30K to $300K – Mandatory Letter of Intent Due: 1/15/23*

Supports research in invertebrate and vertebrate neurobiology to better understand behavior ***Three deadlines yearly: January 15, April 15, October 1** View

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Cancer Research Institute – Lloyd J. Old STAR Program – Up to $1.25M – Application Due: 1/15/23

Provides funding to innovative assistant/associate professors to pursue high-risk, high-reward research in cancer immunotherapy View

HUMANITIES, SOCIAL SCIENCES, ENGINEERING

Global Warming Mitigation Project – Keeling Curve Prize – $35K – Application Due: 2/10/23 by 11:59 pm MST*

Recognizes projects with proven track record of removing greenhouse gases; prize categories: Carbon Sinks; Energy; Finance; Social & Cultural Pathways; Transport & Mobility ***Applicant pool is capped at 500 entries; early submission is strongly encouraged** View

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Howard Hughes Medical Institute – HHMI Investigator Program – Approximately $8M – Application Due: 3/21/23 by 3:00 pm*

Support faculty who catalyze research in basic biological and biomedical sciences ***PI eligibility can be determined starting October 27; application will be available in December** View

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National Science Foundation #NSF 21-621 – Human-Environment and Geographical Sciences Program: Doctoral Dissertation Research Improvement Awards – Up to $20K – Proposal Due: Accepted on a Rolling Basis

Supports research on the nature, causes and/or consequences of the spatial distribution of human activity and/or environmental processes View

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National Science Foundation #NSF 22-609 – Division of Materials Research: Topical Materials Research Programs – Amount Varies – Proposal Due: Accepted on a Rolling Basis

Provides support for research in many areas of materials science View

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National Science Foundation #PD 98-1331 – Sociology Program – Amount Varies – Proposal Due: Accepted on a Rolling Basis*

Funds research on social life; causes and consequences of human behavior; processes of social change; and human social organizations ***There are no longer target due dates for this program** View

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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.

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

Previously Announced Funding Opportunities – October 20, 2022

New Jersey Commission on Science, Innovation and Technology – SBIR/STTR Direct Financial Assistance Program – $25K or $50K – Application Due: 11/14/22 by 5:00 pm

Enhances the NJ innovation economy through financial support to NJ small businesses in/seeking to participate in the federal SBIR/STTR* program ****Formal collaboration between the company and Princeton University is required in the STTR program*** View

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Israel-U.S. Binational Industrial Research and Development (BIRD) Foundation – BIRD Cyber Program: Advanced Cybersecurity Applications – Up to $1.5M* – Executive Summary Due: 11/15/22

Promotes collaboration on cybersecurity and emerging technologies to enhance cyber resilience of critical infrastructure and economies of both countries ****BIRD's award will cover no more than 50% of joint R&D budget. Initial conversation with program staff is highly encouraged; full proposal due by January 10, 2023*** View

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Gordon and Betty Moore Foundation – Experimental Physics Investigators Initiative – $1.25M plus Equipment Funding – Mandatory Pre-Proposal Due: 11/30/22 by 8:00 pm

Supports investigators to advance cutting-edge research in experimental physics that improves scientific understanding of the natural world ***Virtual Q&A sessions with Foundation staff on October 27, 1:00 pm and November 9, 3:00 pm; please register in advance*** View

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Google Research – Research Scholar Program – Up to $60K – Proposal Due: 12/1/22

Supports world-class research by early-career professors who are doing work in fields relevant to Google View

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American Heart Association – Career Development Award – $231K – Application Due: 12/8/22 by 4:00 pm

Provides early-career faculty with training, experience, and preliminary data in cardiovascular, cerebrovascular, and brain health research View

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National Institutes of Health #PAR-21-143 – National Human Genome Research Institute (NHGRI) Predoctoral to Postdoctoral Transition Award – Amount Varies – Application Due: 12/8/22 by 5:00 pm*

Supports graduate students from diverse backgrounds in transitioning to postdoctoral research positions in various areas of genomics research
***Applications accepted December 8, April 8, and August 8** View **and** View

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American Federation for Aging Research/Glenn Foundation for Medical Research – Grants for Junior Faculty – Up to $150K – Mandatory Letter of Intent Due: 12/15/22

Assists in the professional development of junior investigators committed to pursuing careers in the field of aging research View

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HUMANITIES

Society for French Historical Studies – Fellowships for Humanities and Social Science Research in France – Up to $1,500 – Application & Letter of Recommendation Due: 12/17/22

Provides young scholars with maintenance support while in France doing research in all areas of French historical and cultural studies View

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National Science Foundation #NSF 22-631 – Computer and Information Science and Engineering (CISE) Core Programs: MEDIUM & OAC Core Projects* – $600K to $1.2M – Proposal Due: 12/22/22 by 5:00 pm

Funds research and education to develop new knowledge in computing, communications, information science/engineering, and cyberinfrastructure
***Proposals for SMALL Projects (up to $600K) are accepted at any time**
View

National Institutes of Health #PAR-20-103 – Collaborative Program Grant for Multidisciplinary Teams – Up to $1.5M – Requested Letter of Intent Due: 12/27/22*

***Supports multi-team research that increases understanding of biological processes at a range of levels, from molecules to populations** ***Application is due January 27, 2023 by 5:00 pm** View

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ALL DEPARTMENTS

Blakemore Foundation – Blakemore Freeman Fellowships for the Study of East & Southeast Asian Languages – Amount Varies – Application Due: 12/30/22 by 8:00 pm

Funds full-time advanced language study abroad for those whose career path will benefit from fluency in a modern Asian language View

Merck KGaA – Future Insight Prize – Up to €1,000,000 – Nomination Due: 12/31/22

Honors achievements in science/technology toward an innovation important for the future of humanity; 2023 topic: Pandemic early alert system View

McKnight Endowment Fund for Neuroscience – McKnight Scholar Awards – $225K – Application & Letters of Reference Due: 1/1/23

Encourages early-career faculty in research careers that will have an important impact on the study of the brain View

Do you know of an upcoming funding opportunity that should be shared with your Princeton colleagues? Please email it to cefr_funding@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!

If you received this issue of the Research Funding Announcement from a Princeton colleague, and you wish to join our mailing list, please contact us at cefr_funding@princeton.edu. New faculty members will be added automatically.