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 - October 20 2022
Date: Thursday, October 20, 2022 3:20:29 PM

PRINCETON Research Funding Gateway — Hosted by the Dean for Research

Research Funding Announcement October 20, 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

SAVE THE DATE **The National Science Foundation's Fall 2022 NSF Virtual Grants Conference will be held November 14-17 via Zoom. Registration is free; early registration is encouraged as sessions often reach capacity very quickly.**

The National Institute of Biomedical Imaging and Bioengineering has issued a Notice of Intent to Publish a Funding Opportunity Announcement for "NIBIB Trailblazer Award for New and Early Stage Investigators." This FOA will probably be issued on November 15 (with an application due date of February 16); advance notice is being provided to allow interested PIs sufficient time to develop meaningful collaborations and responsive projects. The Trailblazer Award will support research programs that integrate engineering and the physical sciences with the life and/or biomedical sciences.

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 Institutes of Health #PAR-22-242 – Bioengineering Research Grants – Amount Varies – Application Due: 10/31/22 by 5:00 pm*

Seeks to address major biomedical research problems with a multidisciplinary approach that bridges life sciences and physical sciences ***Applications accepted in October, February, and June** View

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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

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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

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

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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

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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

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

Previously Announced Funding Opportunities – October 6, 2022

REMINDER:

Princeton University Internal Funds – Dean for Research: Innovation Fund for New Industrial Collaborations – Up to $250K* – Application Due: 10/31/22
***Fosters research collaborations between industry and Princeton scientists to bring discoveries out into the real world* *Projects can receive a total of up to $250K in combined University–industry funding over two years** View

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HUMANITIES & SOCIAL SCIENCES

Andrew W. Mellon Foundation & American Council of Learned

Societies – Mellon/ACLS Dissertation Innovation Fellowships – Up to $48K – Application Due: 11/2/22 by 9:00 pm

Supports early-stage doctoral students pursuing innovative approaches to dissertation research in humanities/interpretive social sciences View

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National Science Foundation #NSF 22-623 – Postdoctoral Research Fellowships in Biology – $240K – Proposal Due: 11/3/22 by 5:00 pm

Supports further research and training for recent doctoral recipients in selected areas of biology View

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Amazon Science – Alexa Prize TaskBot Challenge 2 – $250K to $750K* – Apply to Participate by: 11/4/22

Teams develop multimodal conversational agents that assist customers in completing tasks requiring multiple steps and decisions ***Teams selected to participate receive a $250K research grant plus materials and support. First place prize is an additional $500K** View

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National Institutes of Health #RFA-DA-23-039 – BRAIN Initiative: Theories, Models and Methods for Analysis of Complex Data from the Brain – Usually $450K to $750K in Direct Costs – Requested Letter of Intent Due: 11/15/22 by 5:00 pm*

Develops theories, computational models, and analytical tools to derive understanding of brain function from complex neuroscience data ***Application is due by December 15** View

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National Science Foundation #NSF 22-628 – Ocean Sciences Postdoctoral Research Fellowships – Up to $168K – Proposal Due: 11/15/22 by 5:00 pm

Provides beginning investigators with experiences that will establish them in positions of leadership in the scientific community View

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National Science Foundation #NSF 22-620 – Ecology and Evolution of Infectious Diseases – $1.5M to $3M – Proposal Due: 11/16/22 by 5:00 pm

Funds research on the ecological, evolutionary, organismal, and social drivers influencing the transmission dynamics of infectious diseases View

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National Science Foundation #NSF 21-593 – Division of Physics: Investigator-Initiated Research Projects – Amount TBD – Proposal Due: 11/21/22 by 5:00 pm*

Provides funding for research in a wide range of physics disciplines, as well as for the development and encouragement of future scientists ***This**

solicitation has annual deadlines in November and December that vary across programs; November 21 (Plasma Physics) is the earliest deadline View

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National Science Foundation #PD 21-110Z – ECosystem for Leading Innovation in Plasma Science and Engineering (ECLIPSE): Plasma Physics – Amount Varies – Proposal Due: 11/21/22 by 5:00 pm

Identify and capitalize on ways to bring fundamental plasma science investigations to bear on problems of societal and technological need View

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Meta Research – Foundational Integrity Research – $50K or $100K – Application Due: 11/22/22 by 5:00 pm

Funds research exploring integrity issues on social media and social technology platforms (not restricted to Meta apps and technologies) View

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U.S.–Israel Binational Science Foundation – BSF Research Grants Program – Up to $250K – Application Due: 11/29/22 by 5:00 pm Israeli time (10:00 am ET)

Funds cooperative research by U.S. and Israeli scientists conducted in both countries. Topic areas vary in odd/even years; 2022: Exact & Physical Sciences; Social Sciences View

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Alkermes Inc. – Pathways Research Awards – Up to $100K – Application & Letters of Support Due: 11/30/22 by 11:59 pm

Supports early-career investigators researching diseases in the field of neuroscience; 2022 topics: schizophrenia and bipolar disorder View

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Camille and Henry Dreyfus Foundation – 2023 Dreyfus Prize in the Chemical Sciences – $250K – Nomination & Letters of Support Due: 12/1/22

Recognizes exceptional and original research that has advanced the field in a major way; 2023 topic: Imaging in the Chemical Sciences View

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American Mathematical Society – Centennial Fellowship – $50K – Application Due: 12/1/22 by 11:59 pm

Provides one-year fellowships for research in mathematics; supports course release, travel, and research-related expenses View

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ALL DEPARTMENTS

Israel Institute for Advanced Studies (IIAS) – Research Groups

2024-2025 – $6K per Month – Application Due: 12/1/22 by Midnight

Faculty fellowships in Israel for 3-10 months as part of a research group on any topic View

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ALL DEPARTMENTS

Israel Institute for Advanced Studies (IIAS) – Individual Fellowships 2024-2025 – Up to $6K per Month – Application Due: 12/1/22 by Midnight

Individual faculty fellowships in Israel for scholars from any discipline View

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Damon Runyon Cancer Research Foundation – Quantitative Biology Fellowship Award (postdoc) – $240K – Application Due: 12/1/22 by 4:00 pm

Assists young quantitative scientists to prepare for research careers in computational biology/cancer biology View

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Environmental Research & Education Foundation – Sustainable Solid Waste Management Practices – $15K to $500K – Mandatory Preproposal Due: 12/1/22 by 5:00 pm*

Supports research to improve sustainable management of solid waste
***Topic Approval Request (if required) Due: 11/1/22** View

Princeton University Internal Funds – Humanities Council: Team Teaching Grants – Summer Stipends of $7,500 per Faculty Member – Brief Proposal Due: 12/1/22*

Supports development of new team-taught, interdisciplinary courses that are taught across departments/divisions and are of broad interest
***Deadline for Fall 2023 and Spring 2024 courses. Queries about possible courses to be offered should be emailed to Kathleen Crown, Executive Director in advance** View

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Simons Foundation – 2023 Simons Investigator in Aquatic Microbial Ecology Awards – Up to $1.75M – Application Due: 12/2/22 by 12:00 noon

Supports recently tenured investigators in the field of microbial ecology in marine or natural freshwater systems View

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Howard Hughes Medical Institute – Hanna H. Gray Fellows Program (postdoc) – $450K to $1.4M – Application Due: 12/7/22*

Supports early-career life scientists from underrepresented groups

***Application is due December 7; mentor and reference letters are due December 14** View

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National Science Foundation #NSF 21-517 – Integrative Strategies for Understanding Neural and Cognitive Systems: Frontiers – $500K to $3M – Mandatory Letter of Intent Due: 12/15/22 by 5:00 pm

Supports innovative, boundary-crossing research seeking to understand complex aspects of neural and cognitive systems View

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National Institutes of Health #PA-21-051 – Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship – Amount Varies – Application Due: 12/8/22 by 5:00 pm*

Enables predoctoral students to obtain mentored research training while conducting dissertation research in scientific health-related fields
***Applications accepted December 8, April 8, August 8** View

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Rita Allen Foundation & U.S. Association for the Study of Pain – Rita Allen Foundation Award in Pain – $150K – Application & Letters of Support Due: 12/15/22 by 11:59 pm

Supports early-career faculty pursuing innovative research on mechanisms that initiate and propagate pain in the nervous system View

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Gruber Foundation – International Gruber Prize Program – $500K – Nomination Due: 12/15/22

Prizes recognize groundbreaking work in the fields of Cosmology, Genetics, and Neuroscience View

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McGovern Institute for Brain Research (MIT) – Edward M. Scolnick Prize in Neuroscience – $200K – Nomination Due: 12/15/22

Prize honoring outstanding discoveries and advances in the field of neuroscience View

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American Lung Association – Innovation Award – $75K to $150K – Application Due: 12/15/22 by 11:59 pm

Supports promising independent investigators with track records of accomplishment doing basic science, behavioral, clinical, or translational research for lung health View

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American Lung Association – Catalyst Award – $50K to $100K –

Application Due: 12/15/22 by 11:59 pm

Supports early-career faculty who are conducting basic science, behavioral, clinical or translational research into lung health View

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American Lung Association – Public Policy Research Award – $50K to $100K – Application Due: 12/15/22 by 11:59 pm

Funds research/policy evaluation/innovative ideas to help stimulate and inform public policy debates around healthy air and lung disease View

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National Science Foundation #NSF 22-632 – Cyberinfrastructure for Sustained Scientific Innovation – Amount Varies by Award Class – Proposal Due: 12/16/22 by 5:00 pm*

Funds development of scalable community-driven cyberinfrastructure (CI) to support innovative scientific inquiry ***PIs are strongly encouraged to contact relevant NSF program officers before developing a proposal** View

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Juvenile Diabetes Research Foundation (JDRF) – Industry Discovery & Development Partnerships – Amount Varies* – Letter of Intent Due: Accepted on a Rolling Basis

Supports collaborative R&D programs at for-profit entities that are closely aligned with JDRF's priority areas; projects may include academic PIs ***Company must match JDRF's support; contact JDRF staff prior to beginning application process** View

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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.