Research Funding Announcement
October 28, 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.

Alerts and Notices

SAVE THE DATE! Engage 2021, Princeton’s 2nd annual innovation and entrepreneurship conference, will be held on Wednesday and Thursday, December 1 and 2, 2021. The Dean for Research Award for Distinguished Innovation, which recognizes an innovation led by a Princeton faculty member, will be presented during the conference; the 13th annual Celebrate Princeton Innovation showcase will be held on Thursday afternoon. Everyone is invited to attend this free online event. Registration will open soon: Sign up now to receive your invitation to register for Engage 2021.

Princeton Innovation has launched the START Entrepreneurs program to help develop budding entrepreneurs and ensure that University innovations become available to the broader public. Designed to foster diversity, equity, and inclusion, this full-time, salaried, 30-month program combines research and accelerator experiences with entrepreneurial education and mentorship. Participants (who must have earned an advanced degree prior to September 1, 2022) will develop a research discovery in a University lab, and then move it toward the product stage via a startup at Princeton’s innovation center. Up to $400K will be available per participant. Apply by January 2, 2022.
REMINDER  Intelispark, a consulting firm that helps startups obtain federal small-business funding, is available to provide individualized counseling to Princeton faculty, postdocs, and graduate students on how to seek funding through federal grant opportunities such as the Small Business Innovative Research (SBIR) and Small Business Technology Transfer (STTR) programs. For more information and to apply, email Coleen Burrus, director of Corporate Engagement and Foundation Relations, at cburrus@princeton.edu.

DEADLINE EXTENDED  National Science Foundation (now #22-512) – Designing Accountable Software Systems (DASS) – $750K – Proposal Now Due: 1/28/22

This RFP funds interdisciplinary collaborations investigating the relationship between software systems and their social-legal contexts. In addition to the new submission deadline, there is a new proposal requirement, among other changes. View

The White House Office of Science and Technology Policy (led by Dr. Eric S. Lander ’78) is inviting all Americans to submit ideas to The Time is Now: Advancing Equity in Science & Technology Ideation Challenge to help ensure that science and technology include and benefit everyone. Submissions will be evaluated for potential incorporation into OSTP’s equity and inclusion strategies. Share your ideas, insights, and recommendations by November 19.

Samsung has extended an open invitation to all, including students, to the 5th Annual Samsung AI Forum, a free virtual event on November 1 and 2, 9:00 am Korea time (October 31 and November 1, 8:00 pm EDT). Renowned AI experts will discuss key themes relevant to AI today and in the future, including Sustainable AI, AI for Scientific Discovery, Trustworthiness, Reasoning, and Interpretability. Winners of the Samsung AI Researcher of the Year award recognizing excellence in early-career AI-focused academic research will be announced.

We anticipate publishing the next issue of the Research Funding Announcement on November 11 or 12.

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)
Department of Energy #DE-FOA-0002579 – Atmospheric System Research – $200K to $900K – Required Pre-Application Due: 11/3/21 by 5:00 pm
Funds observations to advance fundamental understanding of cloud, aerosol, precipitation, and radiative transfer processes across a range of scales

Alkermes Inc. – Pathways Research Awards – Up to $100K – Application Due: 11/12/21 by 11:59 pm
Supports the next generation of researchers working to advance understanding of diseases in the field of neuroscience

National Science Foundation #NSF 21-538 – Ocean Sciences Postdoctoral Research Fellowships – $160K – Proposal Due: 11/12/21
Provides beginning investigators with experiences that will establish them in positions of leadership in the scientific community

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

National Science Foundation #NSF 20-579 – Dynamics of Integrated Socio-Environmental Systems – $500K to $1.6M – Proposal Due: 11/15/22
Advances knowledge of complex interactions within and among environmental and human components of an integrated socio-environmental system

National Geographic Society – National Geographic Explorer: Level I and Level II – Level I: Up to $20K; Level II: Up to $100K – Application Due: 11/18/21 by 11:59 pm
Funds bold, innovative, transformative projects in science, conservation, storytelling, education, & technology in selected focus areas

PepsiCo – Removing Organics from Coconut Water to Improve Flavor – Up to $100K for proof-of-concept stage – Brief Proposal Due: 11/19/21
Supports work to remove or neutralize targeted flavor compounds that will lead to a more appealing taste and aroma
Nasdaq Foundation – Quarterly Grant Program – Amount Varies by Project – Proposal Due: 11/30/21
Supports efforts to accelerate progress in diversifying entrepreneurship and empowering a more diverse group of investors  View

Kavli Foundation/Norwegian Academy of Science & Letters/Norwegian Ministry of Educ. & Research – Kavli Prize – $1M – Nomination Due: 12/21
Prizes recognize breakthroughs in astrophysics, nanoscience, and neuroscience  View

National Science Foundation #NSF 21-612 – EHR Core Research: Resource Coordination Hub (ECR Hub) – Up to $5M – Proposal Due: 12/1/21
Create an ECR Hub to enhance the overall influence and reach of ECR STEM education research investments  View

Environmental Protection Agency #EPA-G2022-STAR-A1 and STAR-A2 – Development of Innovative Approaches to Assess the Toxicity of Chemical Mixtures – $600K to $750K – Application Due: 12/8/21 by 11:59 pm
Funds research to develop and evaluate methods and approaches to inform human health risk assessment of environmental chemical mixtures  View

National Institutes of Health #PA-21-051 – Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship – Amount TBD – Application Due: 12/8/21
Enables predoctoral students to obtain mentored research training while conducting dissertation research in scientific health-related fields  View

Burroughs Wellcome Fund – Climate Change and Human Health Seed Grants – $2,500 to $50K – Applications Reviewed Quarterly; Next Deadline is 12/15/21 by 4:00 pm
Promotes collaboration between scholars in disconnected fields who might together help mitigate the impact of climate change on human health  View

American Federation for Aging Research/Glenn Foundation for Medical Research – Grants for Junior Faculty – Up to $125K –
Letter of Intent Due: 12/15/21
Assists in the professional development of junior investigators committed to pursuing careers in the field of aging research View

American Lung Association – Innovation Award – $75K to $150K – Application Due: 12/16/21
Supports promising independent investigators doing basic science, behavioral, clinical, or translational research for lung health View

American Lung Association – Catalyst Award – $50K to $100K – Application Due: 12/16/21
Supports early-career faculty who are conducting basic science, behavioral, clinical or translational research into lung health View

American Lung Association – Public Policy Research Award – $50K to $100K – Application Due: 12/16/21
Funds research/policy evaluation/innovative ideas to help stimulate and inform public policy debates around healthy air and lung disease View

National Science Foundation #NSF 21-616 – Computer and Information Science and Engineering (CISE) Core Programs: MEDIUM & OAC Core Projects – $600K to $1.2M – Proposal Due: 12/22/21
Funds research and education to develop new knowledge in computing, communications, information science/engineering, and cyberinfrastructure View

Blakemore Foundation – Blakemore Freeman Fellowships for the Study of East & Southeast Asian Languages – TBD – Application Due: 12/30/21
Funds full-time advanced language study abroad for those whose career path will benefit from fluency in a modern Asian language View

Prince Sultan Bin Abdulaziz International Prize for Water – Creativity Prize – $266K – Institutional Nomination Due: 12/31/21
Awarded for cutting-edge, multidisciplinary scientific work that has led to a breakthrough in any water-related field View

Prince Sultan Bin Abdulaziz International Prize for Water – Specialized Prizes – $133K – Self Nomination Due: 12/31/21
Prizes recognizing research to find solutions to the various water-related challenges facing the world  View

National Science Foundation #NSF 22-501 – Mathematical and Physical Sciences Ascending Postdoctoral Research Fellowships (MPS-Ascend) – $100K to $300K – Proposal Due: 1/6/22
Supports postdoctoral fellows who will broaden the participation of underrepresented groups as future leaders in MPS fields  View

Volvo Environment Prize Foundation – Volvo Environment Prize – SEK 1.5 million – Nomination Due: 1/10/22
Recognizes excellence in any discipline that has relevance to the environment; work must clearly show impacts outside of the specific field  View

McKnight Endowment Fund for Neuroscience – McKnight Scholar Awards – $225K – Application Due: 1/10/22
Encourages early-career faculty in the neurosciences to focus on disorders of learning and memory  View

Princeton University Internal Funds – Humanities Council: Exploratory Grants in Collaborative Humanities – Up to $25K – Proposal Due: 1/10/22
Allows groups of faculty to develop a collaborative area of focus that generates new research or teaching in emerging or underrepresented fields in the humanities  View

Princeton University Internal Funds – Humanities Council: Magic Grants – $5K to $75K – Proposal Due: 1/10/22
Awarded to teams of Princeton faculty for new projects that change the way the humanities are conceived or taught  View

National Science Foundation #NSF 22-504 – Macrosystems Biology and NEON-Enabled Science: Research on Biological Systems at Regional to Continental Scales – Research Awards: Amount TBD; Small Awards: Up to $300K – Proposal Due: 1/10/22
Funds systems-oriented research on biosphere processes and their complex interactions with climate, land use, and changes in species distribution  View
Didn’t see anything that matches your current need for funding? Try searching the Princeton Research Funding Gateway.

Previously Announced Funding Opportunities – October 7, 2021

National Institutes of Health #PAR-21-333 – NCI Outstanding Investigator Award – Up to $4.2M – Application Due: 11/4/21
*Provides long-term support and increased flexibility to investigators with outstanding records of cancer research* View

U.S.–Israel Binational Science Foundation – BSF Research Grants Program – Up to $250K – Application Due: 11/27/21 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* View

National Science Foundation #NSF 21-626 – NSF-DFG Lead Agency Activity in Chemistry and Transport in Confined Spaces (NSF-DFG Confine) – Amount TBD – Mandatory Expression of Interest Due: 11/29/21
*Supports U.S.-German collaborations focused on discovering and understanding new chemistry and thermal transport phenomena* View

Damon Runyon Cancer Research Foundation – Quantitative Biology Fellowship Award (postdoc) – $240K – Application Due: 12/1/21 by 4:00 pm
*Assists young quantitative scientists to prepare for research careers in computational biology/cancer biology* View

Google Research – Research Scholar Program – Up to $60K – Proposal Due: 12/1/21
*Supports world-class research by early-career professors who are doing work in fields relevant to Google* View

Princeton University Internal Funds – Dean of the Faculty: Presidential Postdoctoral Research Fellows – Amount Varies – Nomination Due: 12/1/21
*Encourages early-career scholars underrepresented in their field to pursue
a career in academia by supporting their postdoctoral work at Princeton

Environmental Research & Education Foundation – Sustainable Solid Waste Management Practices – $15K to $500K – Topic Approval Request (if required) Due: 11/1/21; Mandatory Preproposal Due: 12/1/21
Supports research to improve sustainable management of solid waste

McKnight Endowment Fund for Neuroscience – McKnight Technological Innovations in Neuroscience Award – $200K – Mandatory Letter of Intent Due: 12/6/21
Supports scientists who work on developing novel and creative approaches to understanding brain function

National Science Foundation #NSF 21-617 – Cyberinfrastructure for Sustained Scientific Innovation (CSSI) – Amount Varies by Award Class – Proposal Due: 12/8/21
Funds development of scalable community-driven cyberinfrastructure (CI) to support innovative scientific inquiry

Fosters research collaboration between Egyptian and U.S. scientists in the areas of agriculture, energy, health, or water

Funds research training visits to U.S. institutions for Egyptian researchers in the areas of agriculture, energy, health, or water

National Science Foundation #NSF 21-122 – Enabling Secure and Trustworthy Cyberspace (SaTC) CISE-SBE Interdisciplinary Collaborations–EArly-Concept Grants for Exploratory Research (EAGER) – Up to $300K – Invited Proposal Due: 12/10/21
Fosters novel, collaborative research between computer science/engineering researchers and social/behavioral/economic sciences
researchers  View

National Science Foundation #NSF 21-624 – Japan-U.S. Network Opportunity 3 (JUNO3): R&D for Programmable Networking for Next Generation Core and Beyond 5G/6G Networks – Up to $450K – Proposal Due: 12/13/21
Supports joint Japan-U.S. foundational and transformative research on network programmability  View

National Science Foundation #NSF 21-120 – ANR-NSF/Physics/MCB Lead Agency Opportunity at the Physics-Molecular and Cellular Biosciences Interface – Amount TBD – Proposal Due 12/14/21
Funds collaborations between U.S. and French researchers to understand mechanisms underlying essential life processes  View

Gruber Foundation – International Gruber Prize Program – $500K – Nomination Due: 12/15/21
Prizes recognize groundbreaking work in the fields of Cosmology, Genetics, and Neuroscience  View

McGovern Institute for Brain Research (MIT) – Edward M. Scolnick Prize in Neuroscience – $150K – Nomination Due: 12/15/21
Prize honoring outstanding discoveries and advances in the field of neuroscience  View

National Institutes of Health #PAR-20-103 – Collaborative Program Grant for Multidisciplinary Teams – Up to $1.5M – Requested Letter of Intent Due: 12/27/21
Supports multi-team research that increases understanding of biological processes at a range of levels, from molecules to populations  View

Varian Medical Systems – Investigator-Initiated Research Grants – Amount Varies – Concept Paper Due: Accepted on a Rolling Basis
Funds a broad range of technology research related to cancer treatment and care management, including radiotherapy, imaging, automation, AI, cloud-based software  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