Research Funding Announcement
November 23, 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

We are excited to announce that Professor of Chemistry Mohammad Seyedsayamdost has been chosen as the winner of this year's Dean for Research Award for Distinguished Innovation, for a microbial screening platform that addresses the vital need to discover new antibiotics to combat emerging infectious agents more effectively. The award will be presented on Thurs., December 2 at 12:30 pm as part of the Engage 2021 conference, followed by an honorary lecture by Prof. Seyedsayamdost. We hope that you will tune in to this free, virtual event in support of your Princeton colleague; please register here for access.

While you're at it, please plan to attend more of Engage 2021, Princeton’s 2nd annual innovation and entrepreneurship online conference, on Wed. and Thurs., December 1-2, 2021. Engage 2021 is intended for faculty, postdocs, students of all levels, staff, industry, government, entrepreneurs and innovators, that is, everyone at Princeton and beyond who is working to transform research into innovation with the goal of accelerating solutions to the world's most pressing problems. In addition to the Award for Distinguished Innovation, other event highlights include A Conversation with Tech Pioneer, Dr. Marian Croak ’77, and
the 13th annual Celebrate Princeton Innovation showcase of faculty ideas and ventures. Check out the Engage 2021 Agenda for other sessions of interest to you. Register now and share this free event with your network on and off-campus: Everyone is welcome; no affiliation with Princeton is required.

Engage 2021 is a Princeton Innovation event, led by Vice Dean for Innovation Rodney Priestley and organized by the Office of Corporate Engagement and Foundation Relations.

NSF and the Social Science Research Council are holding an informational webinar, “Understanding the Effectiveness of Public Health Guidance Through Social Science Research,” on November 29, 12:00–1:00 pm. Registration is required.

NSF is hosting a funding opportunity webinar on November 30 from 1:00-2:30 pm about the Human Networks and Data Science (HNDS) program, which supports research that can identify ways in which dynamic, distributed, and heterogeneous data can provide novel answers to fundamental questions about individual and group behavior. Researchers, administrative staff, and others in the social, behavioral and economic sciences are encouraged to attend. Registration is required. See the “Previously Announced Funding Opportunities” section below for two current RFPs from this NSF program.

REMINDER 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.

We anticipate publishing the next issue of the Research Funding Announcement around December 9.

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

National Bureau of Economic Research – Postdoctoral Fellowships in Aging, Retirement, Health & Disability – $80K to $92,500 – Application Due: 12/9/21 by 11:59 pm
Residential fellowships in retirement/disability policy, aging/health research, and economics of an aging workforce

National Bureau of Economic Research – Postdoctoral Fellowships in Fiscal Policy & Tax Competition – $87,500 to $90K – Application Due: 12/9/21 by 11:59 pm
Residential fellowships in Cambridge, MA in long-term fiscal policy or research on tax competition for recent PhDs or junior faculty

National Bureau of Economic Research – Postdoctoral Fellowship to Promote Diversity in the Economics Profession – $87,500 – Application Due: 12/9/21 by 11:59 pm
Supports an early-career economist from a group underrepresented in economics, or a researcher studying diversity issues within the field

National Bureau of Economic Research – Pre-Doctoral Fellowships for Dissertation-Writers – $41K to $48K – Application Due: 12/9/21 by 11:59 pm
Funds dissertation research fellowships in behavioral macroeconomics, consumer financial management, and retirement and disability policy

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

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
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:
Funds research by early-career faculty from diverse backgrounds, including those from groups underrepresented in the health-related sciences. View

**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. View

**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. View

**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. View

**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. View

**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. 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 – November 11, 2021

UMass Massachusetts Medical Device Development Center (M2D2) – IMPACT Accelerator Program: Cycle 2 – No Funding from M2D2 – Application Due: 11/30/21
Accelerator program to connect early-stage companies in the medical device and biotech spaces with resources needed for commercialization

National Science Foundation #PD 98-1391 – Archaeometry and Senior Archaeological Research Awards – Amount TBD – Proposal Due: 12/1/21 (Archaeometry) or 12/20/21 (Archaeology) by 5:00 pm
Supports development/refinement of anthropologically-relevant archaeometric techniques, and archaeological research led by senior PIs

National Science Foundation #NSF 22-514 – Broadening Participation in Engineering (BPE): Tracks 1-4 – Amount Varies by Track – Recommended Letter of Intent Due: 12/3/21 (Tracks 3 & 4) by 5:00 pm
Strengthen the future U.S. engineering workforce by enabling and encouraging the participation of all citizens in the engineering enterprise

National Science Foundation #NSF 21-614 – Postdoctoral Research Fellowships in Biology: Competitive Areas 1-3 – $138K to $207K – Proposal Due: 12/6/21 by 5:00 pm
Awarded to recent PhD recipients for research and training in certain areas of biology and with special goals for human resource development

Chan Zuckerberg Initiative (CZI) – Single-Cell Biology Data Insights: Cycle 1 – $200K or $400K – Application Due: 12/14/21 by 8:00 pm
Funds projects that aim to use and gain insights into health and disease from existing single-cell datasets

Zuckerman Institute – STEM Leadership Program: Postdoctoral Scholars – $104K to $120K – Application Due: 12/15/21
Funds postdoctoral scholars in STEM fields from premier universities in the U.S. to do research at one of seven Israeli universities
Department of Energy #DE-FOA-0002593 – Earth and Environmental Systems Modeling – $600K to $900K – Mandatory Pre-Application Due: 1/5/22 by 5:00 pm
Supports development of advanced modeling and simulation capabilities in order to enhance the predictability of the Earth’s evolving system

National Science Foundation #NSF 22-509 – CISE Community Research Infrastructure: Planning, Medium (New & ENS), and Grand Awards – Funding Amount Varies by Type – Proposal Due: 1/11/22 by 5:00 pm
Funds new/enhanced research infrastructure to support CISE researchers pursuing work in computer and information science and engineering

National Science Foundation #NSF 21-619 – Biology Integration Institutes (BII) – Up to $12.5M – Proposal Due: 1/12/22 by 5:00 pm
Supports diverse and collaborative teams of researchers investigating questions that span multiple disciplines within and beyond biology

William T. Grant Foundation – Improving the Use of Research Evidence – $5K to $50K or $100K to $1M – Letter of Inquiry Due: 1/12/22 by 3:00 pm
Supports studies that enhance the use of research evidence in ways that benefit youth

William T. Grant Foundation – Reducing Inequality – $5K to $50K or $100K to $600K – Letter of Inquiry Due: 1/12/22 by 3:00 pm
Funds high-quality field-initiated studies on reducing inequality in youth outcomes

Burroughs Wellcome Fund – Postdoctoral Diversity Enrichment Program – $60K – Application Due: 1/12/22 by 4:00 pm
Supports career development activities for underrepresented postdoctoral fellows in biomedical or medical research who are guided by mentors

National Science Foundation #NSF 22-505 – Human Networks and Data Science: Core Research (HNDS-R) – Up to $1.2M – Proposal Due: 1/13/22 by 5:00 pm
**Supports advances in theory/method in a core social, behavioral and economic discipline via application of data and network science methods**  View

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*Supports research in invertebrate and vertebrate neurobiology to better understand behavior*  View

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**Cancer Research Institute – Lloyd J. Old STAR Program – Up to $1.25M – Application Due: 1/15/22**  
*Provides funding to innovative assistant/associate professors to pursue high-risk, high-reward research in cancer immunotherapy*  View

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**National Science Foundation #NSF 22-505 – Human Networks and Data Science: Infrastructure (HNDS-I) – Up to $1.2M – Proposal Due: 2/3/22 by 5:00 pm**  
*Funds the development of data resources and relevant analytic techniques that support fundamental social, behavioral and economic research*  View

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**National Science Foundation #NSF 22-515 – Tectonics – Amount TBD – Proposal Due: Accepted on a Rolling Basis**  
*Funds field, laboratory, computational, and theoretical investigations to help understand the deformation of the terrestrial continental lithosphere*  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 21-616 – Computer and Information Science and Engineering (CISE): Core Programs-SMALL Projects – Up to $600K – Proposal Due: Accepted on a Rolling Basis**  
*Funds research on foundations of computing & communication; novel/enhanced computing & networking; interrelated roles of people, computers, & information*  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