

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 - January 11, 2022
Date: Tuesday, January 11, 2022 2:57:09 PM
Attachments: [2021 RSE Call for Letter of Intent.pdf](#)
[FDA Draft Guidances 1-22.docx](#)



Research Funding Announcement January 11, 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

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.

The **New Jersey Commission on Cancer Research (NJCCR)** promotes significant and original research in New Jersey into the causes, prevention, treatment and palliation of cancer. **Two funding opportunities are listed below** (due date of February 4). A mandatory Technical Assistance and Orientation meeting will be held on January 28, 2022 (9:00–11:00 am) for all organizations that have submitted a required Letter of Intent in response to these funding opportunities. This technical assistance meeting will provide an opportunity for potential applicants to review, clarify and ask questions. Details will be announced on the NJCCR website: <http://www.state.nj.us/health/ces/cancer->

[researchers/njccr.shtml](#).

The U.S. Food and Drug Administration (FDA) has issued several Draft Guidances that may be of interest to some Princeton researchers: [Transition Plans for COVID-19 Related Medical Devices](#), and [Assessing the Credibility of Computational Modeling and Simulation in Medical Device Submissions](#). Public comment is being sought on these guidances. In addition, on February 22, 2022 (1:00-2:30 pm), the FDA will host a [webinar](#) for industry and others interested in learning more about the draft guidances on COVID-19 related medical devices. [See attachment for more information.](#)

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)

Russell Sage Foundation & JPB Foundation – Summer Institute in Biological Approaches in the Social Sciences – Amount Varies – Application Due: 1/15/22 by 2:00 pm

Funds attendance for junior faculty/postdocs/grad students at workshop on integrating biology into the social sciences (June 6-10, 2022, Evanston, IL) [View](#)

National Science Foundation & Center for the Advancement of Science in Space (CASIS) #NSF 22-539 – Transport Phenomena Research on the International Space Station (ISS) to Benefit Life on Earth – Up to \$400K – Feasibility Review Form Due: 1/25/22

Funds R&D in transport, thermal, combustion, nanoscale interactions, and fluid phenomena on the ISS that will also benefit life on Earth [View](#)

HUMANITIES & SOCIAL SCIENCES

American Academy of Arts and Sciences – Humanities Policy Fellowship – \$76K Per Year Plus Benefits – Application Due: 1/31/22

Recent PhDs with training in the humanities or humanistic social sciences can learn about a career in public policy and administration [View](#)

HUMANITIES & SOCIAL SCIENCES

American Academy of Arts and Sciences – Humanities Policy Fellow for American Institutions, Society & the Public Good – \$76K Per Year Plus Benefits – Application Due: 1/31/22

Recent PhDs with training in the humanities or humanistic social sciences can learn about a career in public policy and administration [View](#)

ALL DEPARTMENTS

Princeton University Internal Funds – Princeton Institute for Computational Science & Engineering/OIT: Research Software Engineering (RSE) Group – Amount Varies – Mandatory Letter of Intent Due: 2/1/22

Members of the RSE team provide dedicated software development expertise and services to Princeton-led research projects [See attachment for more information](#)

Harry Frank Guggenheim Foundation – Emerging Scholar Awards – \$25K – Application Due: 2/1/22

Recognizes Ph.D. candidates in the final year of writing a dissertation examining a salient aspect of present-day problems of violence [View](#)

New Jersey Commission on Cancer Research – 2022 and 2023 Bridge Research Grants & Pediatric Cancer Research Grants – Up to \$500K – Mandatory Letter of Intent Due: 2/4/22

Interim bridge grants and four types of pediatric research grants support investigations into all types of cancer and its effects [View](#) [See second Alert, above, for important information](#)

New Jersey Commission on Cancer Research – 2023 Pre- and Post-doctoral Fellowship Grants – \$50K to \$400K – Mandatory Letter of Intent Due: 2/4/22

Provides fellowships to attract and retain talented scientists pursuing careers in cancer research in New Jersey [View](#) [See second Alert, above, for important information](#)

National Science Foundation #NSF 22-546 – Partnerships for International Research and Education: Use-Inspired Research Challenges on Climate Change and Clean Energy – Up to \$1.5M – Mandatory Letter of Intent Due: 2/8/22 by 5:00 pm

Funds interdisciplinary use-inspired research to address scientific challenges of international scale related to climate change/clean energy [View](#)

**Russell Sage Foundation & Alfred P. Sloan Foundation –
Summer Institute in Computational Social Science – Amount
Varies – Application Due: 2/11/22**

Funds attendance for junior faculty/postdocs/grad students at workshop on using digital-age data sources/methods to do social research (June 19-29, 2022, Durham, NC) [View](#)

HUMANITIES, SOCIAL SCIENCES, ENGINEERING

**Global Warming Mitigation Project – Keeling Curve Prize –
\$25K – Application Due: 2/10/22**

Recognizes projects with proven track record of removing greenhouse gases; prize categories: Carbon Sinks; Energy; Finance; Social & Cultural Pathways; Transport & Mobility [View](#)

**Russell Sage Foundation & Bill and Melinda Gates Foundation
– Proposal Development Summer Institute (Social Sciences) –
Amount Varies – Application Due: 2/11/22**

Funds attendance for early-career social science faculty at workshop on developing research ideas into grant proposals (May 23-27, 2022, location TBD) [View](#)

**Open Society Foundations – Soros Equality Fellowship –
\$130K – Application Due: 2/14/22 by 11:59 pm**

Supports full-time projects by midcareer professionals who are influencing and transforming the racial justice field [View](#)

**National Science Foundation & Department of Defense #NSF
22-538 – Convergence Accelerator–Track G, Phase 1: Securely
Operating Through 5G Infrastructure – Up to \$750K – Letter of
Intent Due: 2/16/22 by 5:00 pm**

Goal is to provide military/government/critical infrastructure operators with ability to securely operate through 5G wireless communications infrastructures [View](#)

ALL DIVISIONS

**Cognitive Science Society – David E. Rumelhart Prize for
Contributions to the Theoretical Foundations of Human
Cognition – \$100K – Nomination Due: 2/24/22**

Awarded annually for a significant contemporary contribution to the theoretical foundations of human cognition [View](#)

ALL DIVISIONS

National Academy of Medicine – Healthy Longevity Catalyst Award – \$50K – Application Due: 2/28/22 by 11:59 pm

Supports bold, new ideas on how to extend a healthy, productive, and socially-connected human lifespan in a measurable and equitable way
[View](#)

Cancer Research Institute – CRI Irvington Postdoctoral Fellowships – Up to \$186K – Application Due: 3/1/22

Provides postdoc fellowships in the broad field of immunology with relevance to solving the cancer problem [View](#)

Cancer Research Institute – CRI Irvington Postdoctoral Fellowships to Promote Racial Diversity – Up to \$186K – Application Due: 3/1/22

Provides postdoc fellowships for underrepresented scientists in immunology [View](#)

HUMANITIES & SOCIAL SCIENCES

Russell Sage Foundation & National Institute of Child Health and Human Development – Summer Institute in Migration Research Methods – Amount Varies – Application Due: 3/1/22

Workshop for junior faculty/postdocs/grad students on best-practices/methodologies for study of immigration/migrant populations (July 25-Aug 2, 2022, Berkeley, CA) [View](#)

Department of Transportation – FY22 Small Business Innovation Research (SBIR) Program PHASE I – Usually up to \$150K – Application Due: 3/7/22

Supports feasibility-related R&D by small companies on research topics of interest to the DOT [View](#)

National Science Foundation #NSF 22-519 – Internet Measurement Research: Measurement Tool Development & Demonstration (Track 2) – Up to \$600K – Proposal Due: 3/8/22 by 5:00 pm

Supports the creation and deployment of new tools to collect Internet measurement data [View](#)

HUMANITIES

National Endowment for the Arts – Creative Writing Fellowships: Poetry – \$25K – Application Due: 3/10/22 by 11:59 pm

Supports published creative writers, enabling them to set aside time for writing, research, travel, and general career advancement [View](#)

American Chemical Society Petroleum Research Fund – New Directions Grants – \$100K – Proposal Due: 3/11/22

Provides seed funding to established faculty for a new research direction [View](#)

American Chemical Society Petroleum Research Fund – Doctoral New Investigator Grants – \$110K – Proposal Due: 3/11/2022

Promotes the careers of early-career faculty by providing start-up funding for high quality research [View](#)

Damon Runyon Cancer Research Foundation – Postdoctoral Research Fellowships – \$231K – Application Due: 3/15/22 by 4:00 pm

Funds postdoctoral fellowships into the causes and mechanisms of cancer and its treatment and prevention [View](#)

HUMANITIES & SOCIAL SCIENCES

Princeton University Internal Funds – University Committee on Research in the Humanities and Social Sciences (UCRHSS) – \$700 or More – Application Due: 3/15/22

Provides small grants to Princeton faculty members in the Humanities and Social Sciences to support their research and scholarly work [View](#)

Sontag Foundation – Distinguished Scientist Award – \$600K – Application Due: 3/16/22

Supports early-career faculty who demonstrate outstanding promise as contributors to science relevant to brain cancer research [View](#)

National Science Foundation #NSF 22-519 – Internet Measurement Research: Internet Measurement Related Infrastructure-Planning (Track 3) – Up to \$100K – Proposal Due: 3/22/22 by 5:00 pm

Supports planning proposals for the creation of infrastructure for hosting measurement tools and data [View](#)

Princeton University Internal Funds – Princeton Institute for International & Regional Studies (PIIRS): Graduate Summer

Funding – \$1K to \$3K – Application Due: 3/31/22

Provides Princeton graduate students with funding for intensive language study, fieldwork, and research [View](#)

ALL DEPARTMENTS

Princeton University Internal Funds – Center for Information Technology Policy: Microsoft Excellence Scholarships for Internships & Summer Research – Amount Varies – Application: Accepted on a Rolling Basis Until 4/15/22

Supports current Princeton graduate students in any field for internships or summer research involving information technology policy [View](#)

Simons Foundation – Targeted Grants in Mathematics and Physical Sciences – Amount Varies – Letter of Intent: Accepted on a Rolling Basis

Supports high-risk theoretical mathematics, physics, and computer science projects of exceptional promise [View](#)

National Science Foundation #NSF 21-509 – Division of Molecular and Cellular Biosciences: Investigator-Initiated Research Projects – Amount Varies – Proposal: Accepted on a Rolling Basis

Funds quantitative, mechanistic, predictive, and theory-driven fundamental research to promote understanding of complex living systems [View](#)

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

Previously Announced Funding Opportunities – Date 20, 2022

HUMANITIES & SOCIAL SCIENCES

Princeton University Internal Funds – Dean of the College: Collaborative Teaching Initiative in the Humanities & Social Sciences – Amount Varies – Proposal Due: 1/14/22

Allows post-generals graduate students to co-design and co-teach an undergraduate course at Princeton with a faculty mentor [View](#)

National Institutes of Health #RFA-NS-22-011 – BRAIN Initiative: Research Resource Grants for Technology Integration and Dissemination – Amount Varies – Requested Letter of Intent Due: 1/15/22 by 5:00 pm

Supports efforts to rapidly disseminate proven technologies and resources to meet compelling needs of the neuroscience research community [View](#)

National Science Foundation #NSF 21-571 – Broadening Participation in Computing (BPC) – \$200K to \$6M; Varies by Category – Proposal Due: 1/20/22 by 5:00 pm

Engages the computing community in ways to increase the number of Americans receiving post-secondary degrees in the computing disciplines [View](#)

Amazon Research – Alexa Fairness in AI: Alexa AI-Natural Understanding – Up to \$80K + AWS Promotional Credits – Proposal Due: 1/21/22 by 11:59 pm PT

Funds efforts to build and enable engaging, world-class conversational AI capabilities that are broadly accessible [View](#)

Simons Foundation – Collaboration Grants for Mathematicians – \$8,400 to \$42K – Application Due: 1/26/22

Stimulates collaboration in the field primarily through the funding of travel and related expenditures [View](#)

ALL DEPARTMENTS

Princeton University Internal Funds – Council on Science and Technology (CST): Annual Call for Proposals (Faculty Funding) – Amount Varies – Proposal Due: 1/28/22

Funds courses and co-curricular activities that advance science, technology, engineering, and mathematics (STEM) literacy among Princeton students [View](#)

Department of Energy – EnergyTech University Prize – Amount Varies – Submission Package Due: 1/31/22

Student teams identify a high-potential energy technology, assess its market potential, and propose a strategy for commercialization [View](#)

New Jersey Economic Development Authority – Catalyst Seed R&D Grant Program – \$75K to \$150K – Application Due: 1/31/22 by 5:00 pm

Helps NJ early stage innovation-based companies to transform new discoveries from research stage into commercially viable products and services [View](#)

**Nagamori Foundation – Nagamori Awards – ¥2M or ¥5M –
Application Due: 1/31/22**

Recognizes outstanding achievement in fields related to motors/actuators/power generators, and their control methods/application technologies, etc. [View](#)

ALL DEPARTMENTS

Princeton University Internal Funds – Princeton Institute for Computational Science & Engineering/OIT: Research Software Engineering (RSE) Group – Amount Varies – Mandatory Letter of Intent Due: 2/1/22

Members of the RSE team provide dedicated software development expertise and services to Princeton-led research projects [See attachment for more information](#)

**National Science Foundation #21-531 – Designing Synthetic Cells Beyond the Bounds of Evolution – \$500K to \$2M –
Proposal Due: 2/1/2022 by 5:00 pm**

Supports research on designing and building synthetically modified cells
[View](#)

National Institutes of Health #RFA-HG-22-001 – Supporting Talented Early Career Researchers in Genomics – Up to \$2.5M – Requested Letter of Intent Due: 2/4/22 by 5:00 pm

Funds research by exceptional Early Stage Investigators with a long-term career interest in pursuing innovative research in genomics [View](#)

HUMANITIES

National Endowment for the Arts #2022NEA01GAP1 – Grants for Arts Projects – \$10K to \$100K (Cost Share or Match Required) – Part 1 Submission Due: 2/10/22

Supports public engagement with art, creation of art, life-long learning in the arts, and the integration of the arts into community life [View](#)

National Science Foundation #20-531 – Algorithms for Threat Detection – \$150K to \$300K – Proposal Due: 2/16/2022 by 5:00 pm

Supports development of novel algorithms for analysis of geospatial datasets to model human dynamics [View](#)

New York Stem Cell Foundation – Stem Cell Investigator Award

– Up to \$1.5M – Application Due: 2/16/2022 by 5:00 pm

Provides funding to early-career faculty researchers for innovative stem cell research [View](#)

New York Stem Cell Foundation – Neuroscience Investigator Award – Up to \$1.5M – Application Due: 2/16/22 by 5:00 pm

Provides funding to early-career faculty for innovative research in all fields of neuroscience [View](#)

National Science Foundation #22-520 – Navigating the New Arctic: Incubator, Research, & Collaboratory Grants – Amount Varies by Track – Proposal Due: 2/16/22 by 5:00 pm

Funds convergence research across the sciences and engineering that informs understanding of Arctic change and its local and global effects
[View](#)

National Science Foundation #22-526 – Ethical and Responsible Research – Amount Varies by Project Type – Proposal Due: 2/17/22 (Target Date)

Supports formation/dissemination of ethical academic & research practices; fosters institutional cultures that expect/reward academic & research integrity [View](#)

National Science Foundation #21-546 – Enabling Discovery through GENomics (EDGE) – Up to \$2M – Proposal Due: 2/17/22 by 5:00 pm

Funds development of innovative tools/technologies/resources/infrastructure to advance understanding of comparative and functional genomics [View](#)

ALL DEPARTMENTS

FACE Foundation & the Embassy of France in the United States – Thomas Jefferson Fund – \$20K – Application Due: 2/24/2022

Provides funding for collaborative projects across all disciplines between early-career researchers in the U.S. and France [View](#)

Ewing Marion Kauffman Foundation – Knowledge Challenge – \$200K to \$400K – Stage 1 Application Due: 2/28/22 by 11:59 pm (CST)

Funds activities that improve understanding of entrepreneurship and generate actionable evidence to inform decision making and change systems [View](#)

Simons Foundation – Autism Research Initiative: Bridge to Independence Award Program – \$495K – Letter of Intent & Recommendations Due: 2/28/22 by 5:00 pm

Engages postdocs in autism research by facilitating their transition to research independence and providing grant funding as new faculty [View](#)

Global Probiotics Council – Young Investigator Grant for Probiotics Research – \$50K – Application Due: 3/1/22

Contribute to the advancement of probiotics and gastrointestinal microbiota research for human health applications [View](#)

NJ Department of Environmental Protection – Recycling Enhancement Act Research Grant Program – Up to \$1.07M – Application Due: 3/1/22 by 4:00 pm

Funds recycling demonstration/research/education projects; 2022 categories: solar panels, electric vehicle batteries, biodegradable/compostable plastics, other projects [View](#)

National Science Foundation #22-532 – Understanding the Rules of Life: Predicting Transformation of Living Systems in Evolving Environments – Up to \$3M – Proposal Due: 3/1/22 by 5:00 pm

Fosters crosscutting research to increase understanding of "rules of emergence" for networks of living systems and their environments [View](#)

National Science Foundation #22-513 – Organismal Response to Climate Change: Expanding Understanding and Improving Predictions of Life on a Warming Planet – Amount Varies – Proposal Due: 3/1/22 by 5:00 pm

Supports research across biological disciplines to anticipate adaptive/maladaptive organismal responses to new environmental conditions [View](#)

National Science Foundation #22-533 – Future of Work at the Human-Technology Frontier: Core Research – \$150K to \$4M – Proposal Due: 3/2/22 by 5:00 pm

Funds multi-disciplinary or convergent research that addresses technological, human, and societal dimensions of future work [View](#)

National Science Foundation #NSF 22-534 – Addressing Systems Challenges through Engineering Teams (ASCENT) – \$1M to \$1.5M – Mandatory Preliminary Proposal Due: 3/2/22 by

5:00 pm

Supports collaborations to create new knowledge and disruptive innovations in microelectronics and their enabling semiconductor technology [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