

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 - February 10, 2022
Date: Thursday, February 10, 2022 12:09:12 PM
Attachments: [Daiichi Sankyo Modality Collaboration.pdf](#)
[Daiichi Sankyo Application Form 2022.docx](#)



Research Funding Announcement February 10, 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

The **National Science Foundation** has announced the FY 2022 topic areas for its **Convergence Accelerator** initiative, through which multiple disciplines, expertise, and cross-sector partnerships stimulate innovative ideas and develop long-lasting, sustainable solutions to support a variety of societal challenges. The new subject areas are Track H: **Enhancing Opportunities for Persons with Disabilities**; Track I: **Sustainable Materials for Global Challenges**; and Track J: **Food & Nutrition Security**.

The **National Institutes of Health** have issued a **Notice of Special Interest** encouraging the translation of the novel neurotechnologies that have been funded through the Brain Research through Advancing Innovative Neurotechnologies® (BRAIN) Initiative and overseen by the NIH Blueprint MedTech program, to help transition these technologies from early device development to first-in-human studies. Academic investigators and small companies are encouraged to submit grant applications that propose non-clinical validation for subsequent clinical feasibility studies.

The [Chan Zuckerberg Initiative](#) (CZI) is inviting applications (due May 24, 2022) from collaborative teams bringing together researchers and patient-led rare disease organizations for projects aimed at advancing understanding of the fundamental science of rare diseases (funding will be \$2M over 4 years). Topic areas are [Single-Cell Analysis of Rare Inflammatory Pediatric Disease](#) and [Rare Neurodegenerative Disease](#). Potential applicants are encouraged to attend an informational webinar on [Wednesday, February 16](#) from 9-10:30 am Pacific Time (space is limited; free [registration](#) required by [February 15](#)).

[Nominations are due by March 31, 2022](#) for numerous [Individual Awards](#) given by the [Society of Women Engineers](#) in recognition of the successes of its members and individuals who enhance the engineering profession and advocate for women in engineering through contributions to industry, education, and the community.

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)

Johnson & Johnson Innovation-JLABS – Food Allergy Prevention QuickFire Challenge – \$25K, \$50K, or \$75K – Application Due: 2/18/22

Innovators may submit novel methods/products/technologies with potential to prevent children from developing food allergy in the early years of their life [View](#)

Atlanta Center for Microsystems-Engineered Point-of-Care Technologies – Microfluidics/Lab-on-a-Chip/Microchip-Based Point-of-Care Technologies – Amount Unknown – Pre-Proposal Due: 2/28/22 by 4:59 pm

Supports innovative projects related to microsystems-based Point-of-Care diagnostic technologies [View](#)

Paul G. Allen Frontiers Group – Allen Distinguished

Investigators in Protein Lifespan and in Nutrient Sensing – \$1.25M – Letter of Intent Due: 3/1/22 by 2:59 pm

Funds technological innovation/development for protein lifespan research, or development of new technologies to sense nutrient levels within cells
[View](#)

HUMANITIES & SOCIAL SCIENCES

Library of Congress American Folklife Center – Archie Green Fellowships – Up to \$30K – Proposal Due: 3/7/22

Supports original field research into the culture and traditions of contemporary American workers and/or occupational groups within the U.S. [View](#)

National Institutes of Health #RFA-NR-22-001 – Evaluating the Impact of COVID-19 Pandemic-Related Food and Housing Policies and Programs on Health Outcomes in Health Disparity Populations – Amount Varies – Requested Letter of Intent Due: 3/7/22 by 5:00 pm

Evaluate ongoing/long-term impacts of how food and housing policies/programs designed to lessen the impact of the pandemic affected health/health equity [View](#)

ALL DEPARTMENTS

Princeton University Internal Funds – Center for Digital Humanities (CDH): Fall 2022 Graduate Fellows in Digital Humanities – \$750 per Semester – Application Due: 3/15/22 by 11:59 pm

Supports one-semester graduate fellowships for students interested in the tools and methods of the Digital Humanities [View](#)

Optica Foundation – Optica Women Scholars Program – \$10K – Application Due: 3/15/22

Provides merit- and need-based support and networking opportunities for graduate students identifying as women who are concentrating in optics/photonics [View](#)

Woodard & Curran Foundation – Impact Grant – \$100K – Application Due: 3/18/22

Funds a project implementing innovative, climate-smart agricultural practices to address the interlinked challenges of food security and climate change [View](#)

New Jersey Commission on Science, Innovation and Technology – Clean Tech Seed Grant Program – Up to \$75K – Application Due: 3/21/22 by 5:00 pm

Helps early-stage tech/clean energy companies to develop discoveries into commercially viable technologies [View](#)

HUMANITIES, SOCIAL SCIENCES, NATURAL SCIENCES

National Endowment for the Arts – Research Grants in the Arts – \$10K to \$100K – Application Due: 3/28/22 by 11:59 pm

Supports research studies in a variety of fields that investigate the value and/or impact of the arts **Match/Cost Share Required** [View](#)

Russell Sage Foundation – Summer Institute in Behavioral Economics – Amount Varies – Application Due: 3/28/22

Funds attendance for junior faculty/postdocs/grad students at a workshop on using psychological principles to improve economic research (July 6-17, 2022, Cambridge, MA) [View](#)

Gerald R. Ford Presidential Library & Museum – Ford Scholar Award (Dissertation Award) in Honor of Robert M. Teeter – \$5K – Application Due: 3/31/22

Funds dissertation research/writing in any field related to any aspect of the U.S. political process and public policy during the last half of the 20th century [View](#)

HUMANITIES & SOCIAL SCIENCES

University of New Mexico Latin American and Iberian Institute – Richard E. Greenleaf Visiting Library Scholar Program – Amount Varies – Application Due: 3/31/22 by 7:00 pm

Provides junior faculty/grad students specializing in Latin America/Iberia with the opportunity to work with UNM's Latin American/U.S. Southwest library collections [View](#)

James S. McDonnell Foundation – Understanding Human Cognition: Opportunity Awards – Up to \$250K – Application Due: 4/1/22 by 4:59 pm

Funds projects leading to new conceptual and empirical studies of human cognition and behavior using a developmental science approach [View](#)

National Science Foundation #NSF 22-549 – Accelerating Innovations in Biomanufacturing Approaches through Collaboration Between NSF and the DOE BETO-funded Agile BioFoundry – Amount Varies – Proposal Due: 4/4/22 by 5:00 pm

Develop and implement innovative biodesign and biomanufacturing technologies and practices in order to help advance the U.S. bioeconomy [View](#)

Camille & Henry Dreyfus Foundation – Machine Learning in the Chemical Sciences and Engineering – \$50K to \$150K – Proposal Due: 4/7/22

Supports advances in machine learning and related aspects of data science to benefit the chemical sciences and engineering [View](#)

National Institutes of Health #PA-21-051 – Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship – Amount Varies – Application Due: 4/8/22 by 5:00 pm

Enables predoctoral students to obtain mentored research training while conducting dissertation research in scientific health-related fields [View](#)

Simons Foundation – Simons Collaboration on the Global Brain (SCGB): Transition to Independence Award in Systems and Computational Neuroscience – \$495K – Application and Letters of Recommendation Due: 4/11/22

Facilitates the transition of outstanding systems and computational neuroscientists from historically underrepresented backgrounds to research independence [View](#)

Simons Foundation – Simons Collaboration on Plasticity and the Aging Brain (SCPAB): Transition to Independence Award – \$495K – Application and Letters of Recommendation Due: 4/11/22

Facilitates transition of next generation of outstanding scientists from historically underrepresented groups to research independence in the field of cognitive aging [View](#)

National Science Foundation #NSF 22-553 – Findable Accessible Interoperable Reusable Open Science Research Coordination Networks – Up to \$1.5M – Proposal Due: 4/12/22 by 5:00 pm

Advances science and education by supporting groups of investigators across disciplinary/organizational/geographic boundaries in communication and sharing ideas [View](#)

HUMANITIES

National Endowment for the Humanities #20200408-FEL – Division of Research Programs: Fellowships – \$30K to \$60K – Application Due: 4/13/22

Provides sabbatical support for humanities scholars pursuing research and writing projects [Informational webinar: 2/16/22 at 12:30 pm](#) [View](#)

National Science Foundation #NSF 22-550 – Signals in the Soil – \$600K to \$1.2M – Proposal Due: 4/14/22 by 5:00 pm

Funds convergent research to advance understanding of soil ecosystems/dynamic soil processes, as well as our capacity to manage this vital resource [View](#)

Whitehall Foundation – Research Grants and Grants-in-Aid – \$30K to \$225K – Letter of Intent Due: 4/15/22

Supports research in invertebrate and vertebrate neurobiology to better understand behavior [View](#)

HUMANITIES

Princeton University Internal Funds – Art & Archaeology: Barr Ferree Publication Fund – Amount TBD – Application Due: 4/15/22

Supports the publication expense of books of merit on architecture and related topics in the fine arts [View](#)

HUMANITIES

National Endowment for the Humanities: Division of Research Programs #20220420-FEL – NEH-Mellon Fellowships for Digital Publication – \$30K to \$60K – Application Due: 4/20/22 by 11:59 pm

Provides sabbatical support for scholars pursuing humanities projects that require digital expression **Optional Draft Deadline: 2/28/22 by 11:59 pm**
[View](#)

National Science Foundation #NSF 22-556 – Advancing Informal STEM Learning Equity Resource Center – \$10M – Proposal Due: 5/10/22 by 5:00 pm

Create new center to advance equity within the informal STEM learning field through a range of informal STEM learning experiences and environments [View](#)

National Science Foundation – National Medal of Science – no funds awarded – Nomination and Letters of Support Due: 5/20/22 by 11:59 pm

National award honoring exceptional achievement in the sciences [View](#)

U.S. Patent and Trademark Office – National Medal of Technology and Innovation – no funds awarded – Nomination and Letters of Support Due: 5/20/22 by 11:59 pm

National award recognizing technological achievement contributing to

America's economic, environmental, and social well-being [View](#)

National Science Foundation #NSF 22-529 – Smart and Connected Communities – Funding Varies by Track – Proposal Accepted Anytime Until 4/1/24

Supports integrative research addressing technological and social science dimensions of smart and connected communities [Informational webinar: 3/16/22 at 2:00 pm](#) [View](#)

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

Previously Announced Funding Opportunities – January 27, 2022

National Science Foundation #NSF 22-554 – Molecular Foundations for Biotechnology: Partnerships to Transform Emerging Industries – Amount TBD – Mandatory Letter of Intent Due: 2/14/22 by 5:00 pm

Funds interdisciplinary work at interface of ML/AI and biology/physics/math/engineering to address challenges in biology with potential implications for biotech [View](#)

National Institutes of Health #PAR-22-090 – Exploratory/Developmental Bioengineering Research Grants – Up to \$275K – Application Due: 2/16/22 by 5:00 pm

Funds study of novel scientific ideas or new model systems/tools/technologies with potential for major impact on biomedical/biobehavioral research [View](#)

ALL DISCIPLINES

Princeton University Internal Funds – Center for Digital Humanities: Research Partnerships – \$5K to \$8K – Project Consultation Form Due: 2/21/22

Curious faculty from any field may propose small-scale projects that integrate methods/sources/critique from the humanities/data-driven or computational sciences/design [View](#)

ALL DISCIPLINES

Princeton University Internal Funds – Center for Digital Humanities: Data Fellowships – \$3K to \$8K – Project

Consultation Form Due: 2/21/22

Supports Princeton faculty/postdocs/grad students interested in learning the analytical and technological practices of working with humanities data
[View](#)

Simons Foundation – Simons Collaboration on the Global Brain (SCGB): Conference and Course Funding – Amount Varies – Mandatory Email Inquiry Due: 2/22/22 by 11:59 pm

Provides funding for courses and conferences in computational, theoretical, and systems neuroscience [View](#)

Franklin Institute – Bower Award and Prize for Achievement in Science – \$250K – Requested Notice of Intent to Nominate Due: 2/28/22

Recognizes significant scientific or engineering contributions that improve safety, sustainability, and resilience of civil infrastructure [View](#)

Daiichi Sankyo – DS Modality Collaboration – \$600K – Application Due: 2/28/22

Supports drug discovery research (rare diseases, CNS, eyes, heart, autoimmune disease) with DS-original nucleic acid therapeutics [See two attachments for more information](#)

Israel-U.S. Binational Industrial Research and Development (BIRD) Foundation – Accelerating Growth through U.S.-Israel Strategic Partnerships – Up to \$1M – Executive Summary Due: 3/1/22

Funds R&D cooperation between U.S. and Israeli companies [View](#)

National Science Foundation #NSF 20-570 – Industry-University Cooperative Research Centers Program (IUCRC) – Amount varies by Phase – Mandatory Preliminary Proposal Due: 3/9/22 by 5:00 pm

Catalyzes breakthrough pre-competitive research by enabling close, sustained engagement between industry innovators, academic teams, and government agencies [Informational webinar on 2/24, 1-2 pm](#) [View](#)

Simons Foundation – Simons Foundation Autism Research Initiative (SFARI) Pilot Award – Up to \$300K – Application Due: 3/17/22 by 5:00 pm

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

Human Frontier Science Program – Research Grants: Early Career and Research Grants: Program – Amount Varies by Number of Team Members – Obtain Reference Number By: 3/24/22

Funds novel, interdisciplinary basic research into fundamental biological problems that involves new, international scientific exchanges [View](#)

National Science Foundation #NSF 22-508 – Biodiversity on a Changing Planet – Design Track: up to \$500K; Implementation Track: up to \$2.5M – Proposal Due: 3/25/22 by 5:00 pm

Supports interdisciplinary, integrative research to address the functional role of biodiversity in response to changing environmental conditions
[View](#)

HUMANITIES & SOCIAL SCIENCES

National Endowment for the Arts – NEA Research Labs – \$100K to \$200K – Application Due: 3/28/22 by 11:59 pm

Creates transdisciplinary research partnerships to produce empirical insights about the arts **Match/Cost Share Required** [View](#)

National Science Foundation #NSF 22-548 – EHR Core Research: Building Capacity in STEM Education Research – Amount Varies by Track – Proposal Due: 3/29/22 by 5:00 pm

Builds investigators' capacity to carry out high-quality STEM education research that will enhance the nation's STEM education enterprise [View](#)

HUMANITIES

Mid Atlantic Arts Foundation – USArtists International Travel Grants – Up to \$18K – Application Due: 3/30/22 by 11:59 pm

Assists U.S. performing artists across all disciplines and from all backgrounds who are seeking travel funding to perform internationally
[View](#)

National Science Foundation #NSF 22-537 – Geospace Environment Modeling (GEM) – Usually \$450K – Proposal Due: 3/30/22 by 5:00 pm

Supports basic research into the dynamical and structural properties of geospace, leading to models of the geospace environment with predictive capability [View](#)

U.S. Army Research Office #W911NF-17-S-0002-08 – Broad Agency Announcement for Fundamental Research – Amount

Varies – Proposal Due: 3/31/2022

Provides support for cutting-edge fundamental research in a variety of scientific fields [View](#)

U.S. Army Research Office #W911NF-17-S-0003 – Broad Agency Announcement for Basic and Applied Scientific Research – Amount Varies – Proposal Due: 3/31/2022

Supports innovative research in a range of scientific areas of potential benefit to Army operations [View](#)

HUMANITIES

J.M. Kaplan Fund – Furthermore Grants in Publishing: Alice Award – \$25K – Submission Due: 4/1/22

Recognizes a richly illustrated book making a valuable contribution to its field (incl. fine arts, natural/built environments) and demonstrating high standards of production [Note Submission Criteria](#) [View](#)

Breakthrough Prize – 2023 Breakthrough Prizes in Fundamental Physics, Life Sciences and Mathematics – \$3M – Nomination Due: 4/1/22

Awarded to individuals who have made outstanding advances in their field and profound contributions to human knowledge [View](#)

Breakthrough Prize – 2023 New Horizons Prizes in Physics and Mathematics – \$100K – Nomination Due: 4/1/22

Recognizes early-career researchers who have already produced important work in their fields [View](#)

Breakthrough Prize – 2023 Maryam Mirzakhani New Frontiers Prizes – \$50K – Nomination Due: 4/1/22

Presented to early-career women mathematicians who have completed their PhDs within the previous two years [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