Research Funding Announcement
March 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 Institute of Child Health and Human Development and the Bill and Melinda Gates Foundation are hosting a virtual workshop, “The Brain Across the Lifespan: Tools and Technologies for Measuring the Changing Brain” on Monday, April 18 from 11-5 and Tuesday, April 19 from 12-5. Registration is free and open to everyone.

The National Eye Institute has issued a Notice of Special Interest to support research addressing the urgent need to provide accessible home-based COVID testing to people who are visually impaired.

On March 15, NSF is hosting a virtual Town Hall from 11-3 on Using the Rules of Life to Address Societal Challenges. A subsequent series of four virtual Workshops will be held on April 14, 19, 21, and 26 (from 11-5), each focused on a specific challenge defined by the Town Hall discussions. There will also be focused professional networking opportunities (Incubators) for postdocs. For more information and free registration, click here.

Interested in more information about the federal Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) funding programs that encourage domestic small businesses to explore their
technological potential and capacity for commercialization? Here's a website that may help.

**REMINDER** The new Princeton-led National Science Foundation Innovation-Corps (I-Corps) Northeast Hub provides entrepreneurial training, mentoring, and resources to enable researchers to translate their discoveries into benefits for society. Faculty, staff, postdocs, grad students and undergrads are invited to take the Hub’s 4-session short course. The next training program will take place on April 12, 14, 21, and May 5 from 1-4 pm; the application deadline has been extended to March 14 at 5 pm. The June program will be held on June 6, 8, 15, and 29.

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)

- **Princeton University Internal Funds – Data-Driven Social Science Initiative (DDSS): Large-Scale Grants – Over $5K – Application Due: 3/15/22**
  Funds projects at the forefront of quantitative social science research; proposals considered fall and spring  [View](#)

- **Brain & Behavior Research Foundation – BBRF Young Investigator Grant – $35K to $70K – Application Due: 3/22/22 by 11:59 pm**
  Supports advanced postdocs and early-career faculty pursuing research careers in neuroscience and psychiatric disorders  [View](#)

**HUMANITIES & SOCIAL SCIENCES**
American Council of Learned Societies & Andrew W. Mellon Foundation – Leading Edge Fellowship – $127,500 + Selected Benefits – Application Due: 3/28/22 by 9:00 pm
Recent humanities/humanistic social sciences PhDs spend two years with
nonprofit organizations committed to promoting social justice

Meta Research Reality Labs – Controls That Matter and Considering Everyone: High-Realism VR Avatars in Virtual Work Settings – Up to $75K – Proposal Due: 3/31/22
*Improve access to tactical guidance on applying social VR/values-based design/digital ethics frameworks to emergent avatar technologies*

Princeton University Internal Funds – High Meadows Environmental Institute: Mary and Randall Hack ’69 Graduate Award for Water and the Environment – Up to $10K – Application Due: 4/1/22
*Provides dissertation support to graduate students doing research on topics related to water*

Princeton University Internal Funds – McGraw Center for Teaching and Learning: Graduate Teaching Fellows – $20 per hour – Application Due: 4/1/22*
*Provides part-time summer teaching experience for Princeton graduate students*

*Apply by early April for fullest consideration*

Next Generation Internet (NGI) Assure – 8th Open Call: Reinforce the European Blockchain Ecosystem – EURO 5K to 50K – Proposal Due: 4/1/22 by 12:00 CEST
*Funds research toward objectives of “Next Generation Internet” initiative that contributes to a resilient/trustworthy/sustainably open internet*

National Academy of Engineering – Awards Recognizing Engineering Excellence – Amount Varies – Nominations Due: 4/1/22
*Various awards honoring lifetime dedication to engineering achievement and commitment to advancing the human condition and/or education*

*Funds innovative algorithm approaches for optimization of power flow for the electric power sector*
Atlas Network – Templeton Freedom Award and Regional Liberty Awards – $100K or $10K – Application Due: 4/15/22
Recognizes think tanks that have made significant contributions to the understanding of freedom and free enterprise around the globe View

Merck KGaA – Ferroelectric Nematics Application Challenge – Up to EUR 10,000 – Stage 1 Submission Due: 4/30/22
Competition to identify the best potential applications (by technical approach and business impact) of ferroelectric nematic liquid crystals View

Merck KGaA – Future Game Changers Challenge – EUR 10,000 – Stage 1 Submission Due: 4/30/22
Competition to identify the next big thing in science and technology with the potential for substantial technological impact on humanity View

Environmental Research & Education Foundation – Sustainable Solid Waste Management Practices – $15K to $500K – Mandatory Preproposal Due: 5/1/22
Supports research to improve sustainable management of solid waste
Topic Approval Request (if required) Due: 4/1/22 View

HUMANITIES
Gerda Henkel Foundation – “Democracy” Funding Program – Amount varies – Application Due: 5/2/22
Supports teams of postdoctoral scholars working in the fields of historical humanities View

William T. Grant Foundation – Reducing Inequality: Major Research Grants – $100K to $600K – Mandatory Letter of Inquiry Due: 5/4/22 by 3:00 pm
Funds high-quality field-initiated studies on reducing inequality in youth outcomes View

William T. Grant Foundation – Improving the Use of Research Evidence: Major Research Grants – $100K to $1M – Mandatory Letter of Inquiry Due: 5/4/22 by 3:00 pm
Supports studies that enhance the use of research evidence in ways that benefit youth View

Russell Sage Foundation – Core Programs and Special
Initiatives – $35K to $175K – Mandatory Letter of Inquiry Due: 5/4/22 by 2:00 pm
Supports research projects in various areas of the social sciences

Russell Sage Foundation – Selected Timely Issues – $35K to $175K – Mandatory Letter of Inquiry Due: 5/4/22 by 2:00 pm
Supports social science research on the Covid-19 pandemic and resulting recession, systemic racial inequality, and recent mass protests

Russell Sage Foundation – Visiting Researcher Awards – No Funding – Applications Due: 5/4/22 by 2:00 pm
Provides short-term office space, equipment, and library access for scholars conducting research relevant to the Foundation’s priority areas

National Science Foundation #NSF 22-564 – Strengthening American Infrastructure (SAI): Planning, Research & Conference Grants – Amount Varies by Type – Proposal Due: 5/5/22 by 5:00 pm
Funds multidisciplinary, human-centered fundamental and potentially pathbreaking research aimed at strengthening America’s infrastructure
Informational webinar: 3/15/22, 12-1 pm; registration required

Springer Nature Limited (Nature Portfolio) – Nature Research Awards for Inspiring Women in Science – $40K – Application Due: 5/6/22 by Noon UTC (8:00 am ET)
Recognizes early-career women in STEM fields, and initiatives to support the participation of girls and women in STEM

National Institutes of Health #RFA-MH-21-175 – BRAIN Initiative: Development and Validation of Novel Tools to Probe Cell-Specific and Circuit-Specific Processes in the Brain – Amount TBD – Requested Letter of Intent Due: 5/7/22 by 5:00 pm*
Supports development of next-generation, innovative technologies to define and target specific cell types in the brain *Application due: 6/7/22 by 5:00 pm

National Institutes of Health #PAR-21-341 – Exploratory Grants in Cancer Control – Up to $275K – Requested Letter of Intent Due: 5/7/22 by 5:00 pm*
Funds novel, early-stage research on different aspects of cancer control with potential to greatly advance population-based cancer research
*Application due: 6/7/22 by 5:00 pm  View

American Meteorological Society – AMS Graduate Fellowship in the History of Science – $20K – Application Due: 5/6/22
Supports students completing a dissertation on the history of the atmospheric, or related oceanic or hydrologic sciences  View

HUMANITIES
National Endowment for the Humanities #0220509-AA-AB-AC-AD-AE – Humanities Initiatives at Colleges and Universities – Up to $150K – Application Due: 5/9/22*
Supports the development of new programs, resources, or courses in the humanities, or the enhancement of existing ones  *Optional draft narrative due 3/28/22  View

National Science Foundation #NSF 22-568 – Future Manufacturing: Research and Seed Grants – Up to $3M – Proposal Due: 5/10/22 by 5:00 pm
Funds cross-disciplinary research to advance new cyber/eco/bio manufacturing capabilities and develop the future workforce  View

National Science Foundation #NSF 22-569 – Algorithms for Modern Power Systems (AMPS) – Amount TBD – Proposal Due: 5/11/22 by 5:00 pm
Funds development of the next generation of mathematical/statistical algorithms for improvement of the security/reliability/efficiency of the modern power grid  View

National Science Foundation #NSF 22-572 – Pathways to Enable Open-Source Ecosystems: Phase I (OSE Scoping Proposals) – Up to $300K – Proposal Due 5/12/22 by 5:00 pm
Funds new managing organizations using open-source development to create technology solutions to important national/societal problems  OSE Development proposals (Phase II) will be due 10/21/22  View

Department of Defense – FY2023 Multidisciplinary Research Program of the University Research Initiative (MURI) – Up to $7.5M – Optional White Paper Due: 5/16/22 by 11:59 pm (strongly recommended)*
Funds multidisciplinary, multi-institutional, high-risk basic research in science and engineering of potential interest to DoD  *Proposals due by 9/9/22  View
HUMANITIES
National Endowment for the Humanities #20220517-PR – Research and Development Grants – Amount Varies by Tier – Application Due: 5/17/22
Supports projects addressing challenges in preserving or accessing various humanities collections and resources *Optional draft narrative due 4/12/22  View

Chan Zuckerberg Initiative – Patient-Partnered Collaborations for Rare Neurodegenerative Disease – $2M – Application Due: 5/24/22 by 8:00 pm
Researchers and disease organizations collaborate to advance understanding of rare neurodegenerative and neurological disorders Virtual networking workshops for potential collaborators  View

Chan Zuckerberg Initiative – Patient-Partnered Collaborations for Single-Cell Analysis of Rare Inflammatory Pediatric Disease – $2M – Application Due: 5/24/22 by 8:00 pm
Researchers and disease organizations collaborate to advance understanding of the cellular mechanisms underlying rare inflammatory diseases Recorded information session on both CZI opportunities  View

Supports interdisciplinary research, teaching and mentorship on issues related to water and the environment  View

HUMANITIES
Princeton University Internal Funds – Council of the Humanities: Belknap Visitors and Belknap Global Conversations – Amount Varies – Nomination Due: Accepted on a Rolling Basis
Supports brief campus visits by distinguished individuals in the arts and letters  View

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

Previously Announced Funding Opportunities – February 24, 2022
Princeton University Internal Funds – Princeton Institute for International & Regional Studies: Graduate Fellows Program – Amount Varies – Application Due: 3/15/22
Dissertation completion fellowships for advanced graduate students whose dissertations are in international/regional studies, broadly defined - View

Meta Research – Silent Data Corruptions at Scale – $50K – Proposal Due: 3/21/22 by 5:00 pm AOE
Supports work to mitigate silent data corruptions within internet applications due to hardware faults affecting the data center computing stack - View

Alfred P. Sloan Foundation – Collaborative Research Projects on Energy System Electrification – Up to $500K – Letter of Inquiry Due: 3/22/22 by 5:00 pm
Funds collaborative research led by early- or mid-career scholars to examine critical questions related to issues of widespread energy system electrification - View

Meta AI – Dynabench Data Collection and Benchmarking Platform – $15K to $55K – Proposal Due: 3/23/22 by 11:59 pm PT
Encourages creative submissions along the theme of “rethinking benchmarking” that leverage the Dynabench platform - View

Meta AI – Mephisto Dataset Collection Tool – $25,000 to $37,500 – Proposal Due: 3/23/22 by 11:59 pm PT
Supports inventive projects that leverage the Mephisto tool in research data collection tasks - View

National Institute of Mental Health #PAR-22-113 – Urgent Award: COVID-19 Mental Health Research – Amount Varies – Requested Letter of Intent Due: 3/25/22 by 5:00 pm
Address urgent, time-sensitive gaps in basic, translational, services intervention, HIV, and global mental health research related to COVID-19 - View

Princeton University Internal Funds – High Meadows Environmental Institute: Walbridge Fund Graduate Award for Environmental Research – $10K – Application Due: 4/1/22
Provides dissertation support to graduate students doing research on a
variety of environmental topics  View

Nokia Bell Labs – Bell Labs Prize – $25K or $50K or $100K – Proposal Due: 4/22/22
Annual competition to advance innovation in information and communications technologies  View

Simons Foundation – Simons Foundation Autism Research Initiative (SFARI): Human Cognitive and Behavioral Science – Up to $900K – Application Due: 4/25/22 by 5:00 pm
Supports research that produces foundational knowledge about the neurobehavioral differences associated with autism spectrum disorders  Informational webinar: 2/25/22, 12 pm  View

National Science Foundation #NSF 22-557 – Semiconductor Synthetic Biology Circuits and Communications for Information Storage – Up to $1.5M – Proposal Due: 4/25/22 by 5:00 pm
Funds novel work in synthetic biology integrated with semiconductor technology to enable the next generation of information storage platforms  View

National Science Foundation #NSF 22-559 – Boosting Research Ideas for Transformative and Equitable Advances in Engineering (BRITE) – Funding Varies by Track – Proposal Due: 4/25/22 by 5:00 pm
Supports tenured engineering faculty looking to forge new directions or enter new fields  View

Simons Foundation – Pivot Fellowship Program – Amount Varies – Application Due: 4/29/22 by 5:00 pm
Enables faculty in STEM fields to embed in the lab of a mentor to gain training and experience in a new STEM discipline  View

Merck KGaA – 2022 Compound Challenge – EUR 10,000 – Competition Registration Due: 4/30/22
A competition to identify the best submitted synthetic route for a given small molecule  View

National Center for Atmospheric Research – Early Career Faculty Innovator Program – $400K – Letter of Intent Due: 5/1/22
Faculty in social/policy/behavioral sciences co-develop interdisciplinary/actionable research projects in partnership with scientists/engineers at NCAR  

*Note eligibility criteria; Q&A sessions: 3/7/22, 12-1 pm ET and 3/15/22, 3-4 pm ET*  

**National Science Foundation #NSF 22-565 – Civic Innovation Challenge**  
Up to $50K – Planning Grant Proposal Due: 5/5/22 by 5:00 pm  
Build research-to-innovation pipeline, foster collaborative spirit between communities & researchers; Tracks: Living in changing climate; Gap between essential services & community needs  
**Informational Webinar:** 2/25/22, 1:30-3 pm; **Q&A sessions:** 3/10/22, 3-4 pm and 3/22/22, 2-3 pm  

**HUMANITIES**  
**National Science Foundation #15-554 – Archaeology Program:**  
Doctoral Dissertation Research Improvement Awards – Amount Varies – Proposal Accepted on a Rolling Basis  

*Provides support to enhance and improve doctoral dissertation projects in anthropologically-significant archaeology*  

**HUMANITIES**  
**National Science Foundation #NSF 19-570 – High-Risk Research in Biological Anthropology and Archaeology**  
Up to $35K – Proposal Accepted on a Rolling Basis  

*Supports pilot projects for proof of concept or proof of access where research outcomes are at risk for various reasons*  

**National Science Foundation #NSF 21-551 – Cyber-Physical Systems (CPS): SMALL and MEDIUM Projects**  
Up to $1.2M – Proposal Accepted on a Rolling Basis until 12/30/22 by 5:00 pm  

*Address new challenges in CPS systems and structures to advance capability, adaptability, scalability, resilience, safety, security, and usability*  

**National Science Foundation #NSF 20-576 – Plant Biotic Interactions**  
Amount Varies – Proposal Accepted on a Rolling Basis  

*Studies of processes mediating beneficial/antagonistic interactions between plants and their viral/bacterial/oomycete/fungal/plant/invertebrate symbionts, pathogens, pests*  

**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