

**From:** [Research Funding Announcement from the Office of the Dean For Research](#) on behalf of [Coleen Burrus](#)  
**To:** [Research-Funding@Princeton.EDU](mailto:Research-Funding@Princeton.EDU)  
**Subject:** [Research-Funding] Research Funding Announcement - May 13, 2021  
**Date:** Thursday, May 13, 2021 11:13:11 AM  
**Attachments:** [Momental Fdn - Mistletoe Fellowship 5-21.pdf](#)

---



# Research Funding Announcement May 13, 2021

Visit the [Princeton Research Funding Gateway](#) for more funding opportunities.

**Dear Deans, Chairs, Directors, Faculty, and Administrators of Divisions I, II, III & IV:**

I am writing to alert you to the following open submission opportunities. Please share this information with any Princeton colleagues who may be interested.

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.

## Alerts and Notices

Six Princeton faculty members and three graduate alumni have [received](#) 2021 Guggenheim Fellowships, while five faculty members and two graduate alumni have been [elected](#) to the American Academy of Arts and Sciences.

This summer and fall, the [Allen Institute for Cell Science](#) is offering a series of virtual tutorials showcasing open resources from the [Allen Cell Explorer](#). Learn how and why to integrate the Institute's open cell lines and software tools into your research from the teams that developed them. Open to undergraduate and graduate students, postdocs, professional research scientists, and faculty; no prior experience with the tools is necessary. [Click here](#) for more information and to register for the free tutorials.

## Upcoming Funding Opportunities

### **National Endowment for the Humanities #20210520-AA – Humanities Initiatives at Colleges and Universities – Up to \$150K – Institutional Application Due: 5/20/21**

***Supports the development of new programs, resources, or courses in the humanities, or the enhancement of existing ones***

Strengthens the teaching and study of the humanities by developing new programs, resources (including those in digital format), or courses, or by enhancing existing ones. Projects must be organized around a core topic or set of themes drawn from humanities areas such as history, philosophy, religion, literature, and composition and writing skills. No cost share/matching is required under this program. A prerecorded technical assistance webinar is available. [View](#)

---

### **National Security Innovation Network (NSIN) and Air Force Research Laboratory – AI for Command Challenge – \$100K – Registration Deadline: 5/22/21\***

***Seeks to engage industry in the development of AI agents for planning large and complex operations***

The need for planning is a fundamental task required to support large-scale and complex operations. This Challenge is in support of the AI for Command AFVentures Technology Focus Areas. Built on the commercial game *Command: Modern Operations*, the Challenge specifically seeks to engage industry to take the first steps and develop AI agents. Through a series of scenarios this Challenge hopes to excite and foster new innovations in the world of AI for planning. The Grand Prize is \$100K; finalists will be eligible for a Memorandum of Understanding in support of their proposals for a \$750K Small Business Innovation Research (SBIR) award. **\*Teams must register for the Challenge by May 22; the Submission Package is due July 5, 2021.** [View](#)

---

### **NASA #80HQTR21NOA01-21ESI-B2 – Space Technology Research Grants: Early Stage Innovations (ESI) – Up to \$650K – Notice of Intent Due: 5/26/21\***

***Funds early-stage research on selected space systems and technologies***

ESI is focused on the development of innovative, early-stage space technology research of high priority to NASA's Mission Directorates. Proposals are sought on specific space technologies that are currently at low Technology Readiness Levels (TRL). Interaction with NASA researchers should be expected while conducting space technology research under these awards. **\*A Notice of Intent is strongly encouraged by May 26; Institutional proposals are due June 28, 2021.** [View](#)

---

### **Unilever Prestige and Women's Wear Daily (WWD) – Project Connect – \$15K – Applications Due: 5/28/21**

***Supports entrepreneurs of all kinds in their efforts to humanize technology***

Project Connect is designed to support the next generation of entrepreneurs and business leaders at the forefront of the movement to humanize technology for the future marketplace, bridge the digital divide, and strengthen the connection between technology and virtual communication. It offers a chance for entrepreneurs of all kinds to receive grant funding and access a robust package of resources including access to mentorship, opportunities to help scale business, and exposure to new industries and audiences. The ideal grant applicant will find technological solutions that allow for more meaningful social interaction, support new ways of exchanging goods and services, or simply help enhance people's lives during times of unwanted social isolation. Cash award may have income tax implications for the recipient. [View](#)

---

### **Air Force Office of Scientific Research #FOA-AFRL-AFOSR-2021-0006 – Young Investigator Research Program – Up to \$450K – White Paper Due: 5/31/21\***

#### ***Funds research and career development for young faculty in selected fields in the sciences and engineering***

Supports early-career scientists and engineers who have received Ph.D. or equivalent degrees by April 1, 2014 or later and who show exceptional ability and promise for conducting basic research. The program objective is to foster creative basic research in science and engineering; enhance early-career development of outstanding young faculty investigators; and increase opportunities for the young investigator to recognize the Air Force and Space Force mission and related challenges in science and engineering. Proposed research should advance the state of the art in areas related to the technical problems the U.S. Air Force encounters in developing and maintaining a superior U.S. Air Force; lowering cost and improving the performance, maintainability, and supportability of U.S. Air Force weapon systems; and creating and preventing technological surprise. **\*Submission of a White Paper to the Program Officer in the appropriate research discipline area is highly encouraged. White papers must be submitted [electronically](#); detailed instructions are included on the submission page. Proposals are due by July 12, 2021. [View](#)**

---

### **Momental Foundation – Mistletoe Research Fellowship – \$10K – Application Due: 6/4/21**

#### ***Provides research funding and professional mentoring to postdocs in most STEM fields and selected social science fields***

Open to postdocs in most STEM fields and some fields of social science, this fellowship is designed for individuals whose training heavily emphasizes one or more of the following competencies: quantitative analysis and data manipulation, laboratory science, or engineering. In addition to receiving \$10K in funding for their own research, all Mistletoe Research Fellows participate in a professional training program involving collaboration with frontier technology hardware startups on an extracurricular team project overseen by the Foundation. **Interested applicants should work with the administrative staff in their department to create their applications.** See above attachment for more information about the fellowship. **There are two online information sessions with Q&A; advance registration is required. Session 1: Fri., May 14 at 3pm EDT [Register HERE for Session 1](#); Session 2: Wed., May 19 at 8:30pm EDT [Register HERE for Session 2](#)**

---

### **Robert Wood Johnson Foundation – Health Equity Scholars for Action Program (HES4A) – \$250K – Letter of Intent Due: 6/16/21\***

***Supports early-career researchers from underrepresented backgrounds who are conducting health equity research***

HES4A seeks to support the career development and academic advancement of researchers from historically underrepresented backgrounds who conduct health equity research. Grants will be awarded to address the challenges that underrepresented researchers experience; help them overcome obstacles to earning tenure; and make progress toward acquiring independent research funding. Grants will support three aspects of career development: research, mentorship, and connection with a community of support. **Applicants must have completed a doctoral degree in any field within the last five years, and be either a junior tenure-track faculty member or a postdoc fellow who will be in such a position by December 1, 2021.** Eligible individuals include but are not limited to individuals from ethnically and racially minoritized groups underrepresented in research disciplines; first-generation college graduates; people for whom English is not a native language; people from low-income communities; LGBTQ+ individuals; and individuals with disabilities. **\*Letters of Intent are due June 16. Upon review, selected applicants will be invited to submit a full proposal by September 1, 2021.** [View](#)

---

### **NASA – Break the Ice Lunar Challenge: Phase 1 – \$25K to \$125K – Due: 6/18/21**

***Funds research to help NASA design a system for accessing water on the Moon***

The development of lunar materials for life support, fuel, energy, manufacturing, and construction is needed to enable the sustained, human presence on the Moon that is critical for developing and testing the technologies and systems needed for future missions to Mars and beyond. One of the most important of these resources is water. This Challenge seeks solutions to the difficulties in excavating and delivering icy regolith in extreme lunar environments. [View](#)

---

### **Research Corporation for Science Advancement – Cottrell Scholars Program – \$100K – Proposal Due: 7/1/21**

***Supports research by exceptional early-career faculty in chemistry, physics, and astronomy who demonstrate potential for academic leadership***

This program honors and helps to develop outstanding teacher-scholars who are recognized by their scientific communities for the quality and innovation of their research programs and their potential for academic leadership. Eligible applicants are tenure-track faculty who hold primary or courtesy appointments in chemistry, physics, and astronomy departments. Nurturing an interdisciplinary community of outstanding scientific/educational/academic leaders, the CS program fosters synergy among faculty at major U.S. and Canadian research universities. For the 2021 proposal cycle, eligibility is limited to faculty members who started their first tenure-track appointment anytime in calendar year 2018. [View](#)

---

### **Burroughs Wellcome Fund – Investigators in the Pathogenesis of Infectious Disease – \$500K – Required Pre-Proposal Due: 7/16/21\***

***Supports research by early-career faculty who study pathogenesis in infectious diseases***

This five-year award supports accomplished investigators at the assistant professor level who study pathogenesis, with a focus on the interplay between human and microbial biology, shedding light on how human and microbial systems are affected by their encounters. **\*There is a two-stage application process: required pre-proposals are due by July 16; invited full proposals will be due by November 15, 2021.** [View](#)

---

**National Science Foundation #21-581 – Resilient & Intelligent NextG Systems (RINGS) – Up to \$1M – Institutional Proposal Due: 7/29/21**

***Funds faculty research designed to improve resiliency in wireless and mobile communication, networking, sensing, and computing systems***

The RINGS program seeks to accelerate research in areas that will potentially have significant impact on emerging Next Generation (NextG) wireless and mobile communication, networking, sensing, and computing systems, along with global-scale services, with a focus on greatly improving the resiliency of such networked systems among other performance metrics. NSF is joining with government and industry partners to fund collaborative team research that transcends the traditional boundaries of individual disciplines to achieve the program goals. [View](#)

---

## **Previously Announced Funding Opportunities – April 29, 2021**

**Newlab – NSIN Propel – Amount TBD – Application Due: 5/19/21**

***Helps early-stage companies with dual-use technology to acquire the skills/knowledge needed to move into the federal market***

NSIN Propel, in partnership with the National Security Innovation Network (NSIN) and venture capital firm Decisive Point, enables the development of next-generation applications of emerging dual-use technology for government and defense. The program supports early-stage ventures with commercial applications to develop practical acquisitions knowledge and capacity necessary for success in the federal market. The first cohort of early-stage ventures engaged in the program will deliver safety, resiliency, and agility to National Security initiatives across the focus areas including: smart cities; urban tech; mobility; agriculture; industrial automation; manufacturing; next-gen connectivity; logistics; and supply chain management. NSIN Propel has a total funding pool of \$200K. To sign up for an Information Session on Thursday, May 13 at 12pm, RSVP [here](#). [View](#)

---

**Facebook Research – Internet and Web Services – \$50K – Proposal Due: 5/24/21**

***Supports faculty research that will foster further innovation in internet and web services***

This RFP solicits proposals focusing on internet and web services that can benefit the research community and Facebook. Sample topics include: Internet transport protocols; content delivery techniques; distributed caching; and edge computing services. [View](#)

---

**International Human Frontier Science Program Organization – Postdoctoral Fellowships – Amount varies by country – Letter of Intent Due: 5/26/21 by 1:00 pm**

***Funds international, interdisciplinary postdoc positions leading to new***

### **skills in the life sciences**

HFSP postdoctoral fellowships encourage early-career scientists to broaden their research skills by moving into new areas of study while working in a new country, and support frontier, potentially transformative research in the life sciences. Projects should be interdisciplinary in nature, challenge existing paradigms by using novel approaches and techniques, and address an important scientific problem or a barrier to progress in the field. **Long-Term Fellowships (LTF)** are for applicants with a PhD in a biological discipline, who will broaden their expertise by proposing a project in the life sciences which is significantly different from their previous PhD or postdoctoral work. **Cross-Disciplinary Fellowships (CDF)** are for applicants with a PhD from outside the life sciences (e.g., in physics, chemistry, mathematics, engineering or computer sciences). [View](#)

---

### **National Institutes of Health #RFA-MH-20-135 – BRAIN Initiative: Tools to Facilitate High-Throughput Microconnectivity Analysis – Amount TBD – Institutional Proposal Due: 5/27/21**

***Supports research to develop more precise and sensitive tools to study micro-and macro-circuits in the brain***

Seeks applications that will develop and validate tools and resources to facilitate the detailed analysis of brain microconnectivity. Novel and augmented techniques are sought that will ultimately be broadly accessible to the neuroscience community for the interrogation of microconnectivity in healthy and diseased brains of model organisms and humans. The BRAIN Initiative encourages collaborations between neurobiologists and scientists from statistics, physics, mathematics, engineering, and computer and information sciences; and NIH welcomes applications from investigators in these disciplines. [View](#) **[Another BRAIN Initiative funding opportunity follows.]**

---

### **National Institutes of Health #RFA-NS-19-006 – BRAIN Initiative: Research Resource Grants for Technology Integration and Dissemination – Amount TBD – Letter of Intent Due: 5/27/21**

***Supports efforts to disseminate resources and technologies to the neuroscience research community***

Funds the rapid dissemination of developed and validated technologies and resources, and their integration into neuroscience research practice. Projects should be highly relevant to specific goals of the BRAIN Initiative (as described in "[BRAIN 2025: A Scientific Vision](#)"). They should engage in one or more of the following activities: distribution of tools and reagents; user training on the usage of new technologies or techniques; providing access to existing technology platforms and specialized facilities; minor improvements to increase the scale/efficiency of resource production and delivery; and minor adaptations to meet the needs of a user community. Application budgets should reflect the needs of the proposed project; support may be requested for up to 5 years. **A Letter of Intent is requested but not required; institutional proposals are due no later than June 27, 2021.** [View](#)

---

### **Dallas Institute of Humanities and Culture – Hiett Prize in the Humanities – \$50K – Application Due: 6/1/21**

***Prize recognizing extraordinary promise in the early stages of careers devoted to the humanities***

The opposite of a lifetime achievement award, the annual Hiett Prize seeks to encourage future leaders in the humanities by recognizing their early accomplishment and their potential to have a significant impact on contemporary culture, and assisting



their ongoing work. Cash prize may have income tax implications for the recipient.  
[View](#)

---

### **One Mind – Rising Star Research Awards – \$300K – Application Due: 6/1/21**

#### ***Supports early-career faculty researching neuropsychiatric disorders***

The One Mind Rising Star Research Awards build capacity and accelerate pivotal, innovative research on the causes of and cures for neuropsychiatric disorders by recognizing and funding promising, early-career faculty investigators. [View](#) and [View](#)

---

### **Spencer Foundation – Racial Equity Special Research Grants – Up to \$75K – Intent to Submit Form Due: 6/2/21 by 1:00 pm**

#### ***Funds education research projects that contribute to understanding and disrupting racial inequality in education***

This program supports rigorous, intellectually ambitious research that is relevant to the most pressing questions and compelling opportunities in relation to racial equity in education, from early childhood to adult learning, both in and outside of formal school settings. [View](#)

---

### **Gerda Henkel Foundation – Research Grants and PhD/Postdoc Fellowships – Amount varies by program – Application Due: 6/2/21**

#### ***Funds research fellowships for graduate students and postdocs in the historical humanities***

Funding activities of the [Gerda Henkel Foundation](#) concentrate on German and foreign academics in the fields of historical humanities. Candidates can apply regardless of their nationality and place of work. Research projects in the following fields are supported in particular: Archaeology; History of Art; Historical Islamic Studies; History; History of Science; History of Law; and Prehistory and Early History. The Foundation has other funding programs with different application dates. [View](#)

---

### **Facebook Research – Next-Generation Data Infrastructure – \$50K – Proposal Due: 6/2/21**

#### ***Supports innovative faculty research into various topics related to next-generation data infrastructure***

Areas of interest include, but are not limited to, the following: large scale query processing; physical layout and IO optimizations; data management and processing at a global scale; converged architectures for data wrangling, machine learning, and analytics; and advances in testing and verification for storage and processing systems. [View](#)

---

### **Paris Institute for Advanced Study (IAS) – Jean D'Alembert Research Chair "Heritage, Cultures and Knowledge" – Amount TBD – Due: 6/7/21 by 9:00 am (3:00 pm Paris time, France)**

***Funds a faculty fellowship in Paris in the humanities and social sciences on "Heritage, Cultures and Knowledge"***

In partnership with the University of Paris-Saclay, the IAS is recruiting a high-level international researcher in the humanities and social sciences for a six-month fellowship in the first semester 2022 or the academic year 2022-2023 on the theme of **Heritage, Cultures and Knowledge**. IAS will host the researcher as a fellow, who will collaborate mainly with one or several laboratories of the University of Paris-Saclay. The selected researcher commits to give at least one lecture and to organize a scientific seminar with the researchers and professors of his/her partner laboratory. Understanding of French is required. [View](#)

---

**National Institutes of Health #PAR-21-234 – NINDS Faculty Development Award to Promote Diversity in Neuroscience Research – Up to \$975K – Institutional Application Due: 6/12/21**

***Supports supervised career development and scientific mentoring for promising junior investigators in neuroscience***

This National Institute of Neurological Disorders and Stroke (NINDS) program aims to diversify the pool of independent neuroscience research investigators by providing junior faculty with research cost support, protected research time, and career-stage-appropriate professional development mentorship in neuroscience research. Individuals from diverse backgrounds, including those from groups underrepresented in biomedical research, are eligible for support if they have doctoral research degrees (Ph.D. or equivalent) and are in the first 3 years of a faculty tenure track position at the time of application (or have an offer for a first-time tenure-track position that will begin by time of award). [View](#)

---

**University of Bergen (Norway) – Holberg Prize – approx. \$700K – Nomination Due: 6/15/21**

***Prize honoring exceptional contributions to research in the humanities, social sciences, law or theology***

Awarded annually to a scholar who has made outstanding contributions to research in the humanities, social sciences, law or theology, both within a particular academic discipline and of a cross-disciplinary nature. The recipient must have had a decisive influence on international research. Self-nominations are not accepted. **Nominations are strictly confidential and should not be disclosed to anyone at any time.** [View](#)

---

**National Institutes of Health #PAR-21-209 – NIH Countermeasures Against Chemical Threats (CounterACT) Early-Stage Investigator Research Award – Up to \$400K – Letter of Intent Due: 6/27/21**

***Supports early-career investigators interested in researching therapeutics to mitigate toxic chemical exposure***

Recruits Early Stage Investigators ([ESI](#)) to pursue research programs to discover safe and effective therapeutics to mitigate toxicities resulting from exposures to highly toxic chemicals. Projects may be exploratory, applied, proof of principle, or high risk-high impact research. No preliminary data are required, expected, or encouraged; however, if available, minimal preliminary data are allowed. **A Letter of Intent is requested but not required; institutional proposals are due no later than July 27, 2021.** [View](#)

---

**Facebook Research – Statistics for Improving Insights, Models, and Decisions – \$50K – Proposal Due: 6/30/21**

***Funds faculty research in data science methodologies and systems***



### ***infrastructure***

This RFP will support research that addresses challenges in applied statistics that have direct applications for producing more effective insights and decisions for data scientists and researchers. [View](#)

---

### **Damon Runyon Cancer Research Foundation – Damon Runyon-Rachleff Innovation Investigators – \$400K – Application Due: 7/1/21 by 4:00 pm**

***Supports early-career faculty doing innovative, early-stage cancer-related research***

Provides funding to extraordinary early-career researchers with an innovative new idea but insufficient preliminary data to obtain traditional funding. The proposed research must be novel, exceptionally creative and, if successful, have the strong potential for high impact in the cancer field. Support is for two years, with the potential for an additional two years of funding. Applicants are expected to commit a minimum of 80% of their time to conducting research. [View](#)

---

### **National Endowment for the Humanities #20210708-HND – NEH/AHRC New Directions for Digital Scholarship in Cultural Institutions – \$50K to \$150K – Application Due: 7/8/21**

***Funds joint U.S.-U.K. efforts to advance digital scholarship in cultural institutions***

This program will fund teams of researchers and cultural institution professionals in the US and UK working collaboratively to deliver transformational impact on digital methods and digital research in cultural institutions such as museums, libraries, galleries, archives, and historical societies (including cultural institutions affiliated with or housed within universities). Applications must be submitted by teams composed of at least one organization from the US and one from the UK, in which each country is represented by at least one cultural institution. Awards are available at two funding levels depending on the scope and maturity of the proposed project. AHRC will fund the U.K. component of successful projects separately. [View](#)

---

### **National Science Foundation #20-525 – Faculty Early Career Development (CAREER) Program – \$400K to \$500K – Institutional Proposal Due: 7/26/21**

***Supports the professional and leadership development of early-career faculty in any NSF-supported field of study***

NSF's most prestigious awards in support of early-career faculty who have the potential to serve as academic role models in research and education and to lead advances in the mission of their department or organization. The intent is to provide stable support at a sufficient level and duration to enable awardees to develop careers not only as outstanding researchers but also as educators committed to teaching, learning, and dissemination of knowledge. Activities pursued by early-career faculty should build a firm foundation for a lifetime of leadership in integrating education and research. There are two informational webinars: May 14, 2021, 1:00 to 3:00 pm, and May 20, 2021, 1:00 to 3:00 pm.; advance [registration](#) required. [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](mailto: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*