

From: [Corporate Engagement & Foundation Relations](#) on behalf of [Coleen Burrus](#)
To: CEFR@LISTS.PRINCETON.EDU
Subject: Research Funding Announcement – February 18, 2021
Date: Thursday, February 18, 2021 3:38:12 PM
Attachments: [COVID-19 Cancer-Related Pilot Award Program RFA--Feb 2021.docx](#)



Research Funding Announcement February 18, 2021

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

Dear Deans, Chairs, Directors, and Administrators of Divisions I, II, II & IV:
I am writing to alert you to the following open submission opportunities.
Please share this information with any faculty in your group who may be interested.

The [Corporate Engagement and Foundations Relations team](#) is available to assist faculty with proposal development and submission. We welcome the opportunity to work with you.

Alerts

The **2021 NSF Engineering CAREER Proposal Writing Workshop** will be held VIRTUALLY April 21-23, 2021, from 1:00-5:00 PM each day. The workshop aims to provide junior faculty who plan to submit a CAREER proposal to a program in the NSF Directorate for Engineering (ENG) with a CAREER proposal review experience and a forum in which they can interact with NSF Program Directors and recent NSF CAREER awardees. Attendees will benefit from: Interactions with ENG Directorate Program Directors; Focus sessions with recent CAREER awardees; and Interaction across disciplines and engineering schools nationwide. There will also be a Mock Panel Review session, *which is limited to 300 participants selected from those who submit completed applications; the deadline for these applications is February 19, 2021*. Visit

<https://apply.hub.ki/career> for details.

Upcoming Funding Opportunities

Russell Sage Foundation and Alfred P. Sloan Foundation – Summer Institute in Computational Social Science – Amount TBD – Application Due: 2/22/21

Funds summer training in computational social science for grad students, postdocs, and new faculty

The two-week Summer Institute in Computational Social Science introduces graduate students, postdoctoral researchers, and untenured faculty (within seven years of their Ph.D.) in the social and data sciences (broadly conceived) to computational social science – the use of digital-age data sources and methods to conduct social research. The program will highlight issues about access, privacy, and confidentiality that are raised by the emergence of computational data and methods. The institute will also introduce participants to a network of scholars across disciplines with similar interests in these new data and methods.

Applicants from all backgrounds and fields of study are welcomed, especially applicants from groups currently under-represented in computational social science. Offered annually, **the next Summer Institute will be held virtually (hosted by Princeton University) from June 13-26, 2021.** The co-organizers and principal faculty include Princeton’s Matthew Salganik. [View](#)

Russell Sage Foundation and JPB Foundation – Summer Institute in Social-Science Genomics – Amount TBD – Application Due: 2/22/21

Funds summer training for grad students, postdocs, and early-career faculty in the methods of social-science genomics

The purpose of this two-week workshop (June 27-July 9) is to introduce graduate students, postdoctoral researchers, and untenured faculty (within ten years of their Ph.D.) in economics, sociology, psychology, statistics, genetics, and other disciplines to the methods of social-science genomics – the analysis of genomic data in social science research. The program will include interpretation and estimation of different concepts of heritability; the biology of genetic inheritance, gene expression, and epigenetics; design and analysis of genetic-association studies; analysis of gene-gene and gene-environment interactions; estimation and use of polygenic scores; as well as applications of genomic data in the social sciences. The instructional program will be highly quantitative. Participants will be expected to learn relevant software packages and solve problem sets prior to and throughout the workshop. The schedule is designed to provide opportunities for students to discuss their ideas and research with the organizers, visiting faculty, and other participants. If the event is held in-person (in Stowe, VT), most participant costs during the workshop, including housing and most meals, will be covered, and economy-class travel expenses will be reimbursed by the foundation up to a set cap (covering most, but not all, of anticipated travel costs). [View](#)

Princeton University internal funds – Humanities Council: Magic Project Grants for Innovation – \$5K to \$50K – Application Due:

2/26/2021

Supports new ideas to deepen and expand learning across the humanities through curricular innovation

Magic grants are intended to be the initiating spark for a project and to be its primary support. In this context, the word “magic” is used metaphorically to signal the possibility of making new things happen. The goal is to support ideas that break new ground intellectually and pedagogically, have the potential to change how the humanities are conceived and taught, and deepen and internationalize learning across the humanities curriculum. The selection committee is attentive to interdisciplinary initiatives as well as to intellectual “nooks and crannies” that might not be well known to students and colleagues but are essential to the richness of the Princeton experience. Risk-taking and experimentation is welcomed. The Humanities Council strongly supports enrichment of Princeton pedagogy and is committed to funding “breakthrough” courses and workshops that include experiential/field components and move outside the traditional classroom setting. Activities may be a few days, over a break, or several weeks in length. [View](#)

Russell Sage Foundation – Summer Institute in Behavioral Economics – Amount TBD – Application Due: March 2021 (to be confirmed)

Funds summer training in behavioral economics for grad students, postdocs, and new faculty

The two-week Summer Institute in Behavioral Economics introduces graduate students, postdoctoral researchers, and beginning faculty (within one year of their Ph.D.) in economics and related disciplines to the findings and methods of behavioral economics—the application of psychological theory and research to economics. The program includes topics on psychological foundations such as decision-making under risk and uncertainty, intertemporal choice, biases in judgment, mental accounting, and social preferences, as well as the implications of these foundations for savings behavior, labor markets, development economics, finance, public policy, and other economic topics. Candidates in related disciplines (e.g., psychology, business, political science and law) who have a strong interest and advanced training in formal economics are welcome to apply. If the event is held in person, most participant costs during the institute, including housing and most meals, are covered, and travel expenses are reimbursed up to a set cap. Usually held every other year, the next Summer Institute is scheduled for August 2021 (to be confirmed). [View](#)

Atlanta Center for Microsystems-Engineered Point-of-Care Technologies – Microfluidics/Lab-on-a-Chip Technologies – \$50K to \$150K – Pre-Proposal Due: 3/1/21

Supports pilot projects related to microsystems-based Point-of-Care diagnostic technologies

The Atlanta Center for Microsystems-Engineered Point-of-Care (POC) Technologies (ACME POCT) funds pilot projects related to development, refinement, testing, and/or commercialization of microsystems-based POC diagnostic technologies. These are defined as technologies that are enabled by microscale devices with characteristic feature sizes of <1 mm and may be comprised of microelectromechanical systems-based sensors, biosensors, microfluidic components, or even smartphone-based systems, and the data

analysis thereof. Priority for the 2021 call for applications is to fund clinically relevant microfluidics-based proposals for devices that have already been through some level of investment in research, development, evaluation, or clinical validation but have been unable to progress due to a significant and definable barrier that can be resolved through additional funds and/or targeted expertise in engineering, regulatory, or other type of specific expert contribution. [View](#)

Israel-U.S. Binational Industrial Research and Development (BIRD) Foundation - Accelerating Growth through U.S.-Israel Strategic Partnerships - up to \$1M - Executive Summary Due: 3/1/21

Funds R&D cooperation between U.S. and Israeli companies

BIRD funds up to 50% of the R&D costs associated with a joint project involving R&D cooperation between two, unrelated companies, one registered in the U.S. and the other in Israel. The companies should jointly apply for BIRD support. Research and development topics may include but are not limited to: Advanced Manufacturing, Agrotechnology, Cleantech and Environment, Communications, Construction Tech, Electronics, FinTech, Gas, Healthcare IT, Homeland Security and Cyber Security, Life Sciences and Bio-Convergence, Software, etc. The jointly developed technology or product(s) should show considerable innovation, and the proposed project must demonstrate significant commercial potential. [View](#)

Department of Transportation - Small Business Innovation Research (SBIR) Program PHASE I - Usually up to \$150K - Application Due: 3/8/21

Supports feasibility-related R&D by small companies on research topics of interest to the DOT

Small businesses, with their valuable resources and creative capabilities, are invited to participate in the DOT's Small Business Innovation Research (SBIR) program by submitting innovative research ideas and solutions in response to one of the many topics listed in Section VIII of the [RFP document](#) (beginning on page 40). Phase I is the conduct of feasibility-related experimental or theoretical research or R/R&D efforts. Under this program, Phase I offers can be funded up to \$150K unless otherwise noted in Section VIII. The period of performance of the resulting contract shall be six months. Phase I awardees who have successfully completed Phase I are eligible to submit a Phase II proposal for funding of up to \$1M. [View](#)

National Science Foundation #21-045 - Pilot Projects to Integrate Existing Data and Data-Focused Cyberinfrastructure to Enable Community-level Discovery Pathways - \$300K to \$1.5M - Proposals Due: 3/23/21

Funds efforts to manage, integrate, access and use large and diverse scientific datasets to conduct research

Many research communities supported by NSF are challenged by the need to manage, integrate, access, and use ever larger and diverse scientific datasets to conduct research. NSF encourages proposals to the Cyberinfrastructure for

Emerging Science and Engineering Research (CESER) program for pilot projects that bring together researchers and CI experts to develop the means of combining existing community data resources and shared data-focused CI into new integrative and highly performing data-intensive discovery workflows that empower new scientific pathways. Proposals are welcomed in all areas of science and engineering research and education supported by NSF. Proposers are encouraged to address, where appropriate, community-scale scientific data challenges stemming from the ongoing pandemic, whether technical in nature or related to broadening participation by, and increasing benefit to, diverse audiences, including groups underrepresented and underserved in STEM. NSF also encourages proposals for pilots involving international collaborations and partnerships aimed to advance global scientific data integration and sharing in science and engineering research and education. [View](#)

Princeton University internal funds - Andlinger Center: Maeder Graduate Fellowship in Energy and the Environment - AY21-22 fellowship rate - Faculty Nomination Due: 3/26/21

Graduate student fellowship supporting research in energy and its environmental context

The Andlinger Center's Paul A. Maeder '75 Fund for Innovation in Energy and the Environment awards a one-year fellowship each year to a top post-graduates, non-DCE graduate student performing research that explores topics related to energy and/or the environment as impacted by energy. The student may be enrolled in any Ph.D. program on campus and faculty nominations from departments outside of engineering are encouraged. [View](#)

National Endowment for the Arts - NEA Research Labs - Up to \$150K - Application Due: 3/29/21

Creates a NEA Research Lab to produce empirical insights about the arts

The National Endowment for the Arts is expanding its efforts to build public knowledge about the arts' contributions to individuals and society through the creation of NEA Research Labs, a series of transdisciplinary research partnerships that are grounded in the social and behavioral sciences. NEA Research Labs will produce and report empirical insights about the arts for the benefit of arts and also for non-arts sectors such as healthcare, education, and business or management. These centers of excellence will define their own related agendas; conduct project activities to implement that agenda; and prepare reports and other products or services that will contribute substantively to a wider understanding of one of three areas of special interest to the Arts Endowment: The Arts, Entrepreneurship, and Innovation; The Arts, Creativity, Cognition, and Learning; and The Arts, Health, and Social/Emotional Well-Being. NEA Research Labs require a confirmed partnership between the applicant organization and a nonprofit arts organization at the time of application. The nonprofit arts organization is expected to contribute substantially to the NEA Research Lab. Applicants are also strongly encouraged to partner with other non-arts or arts organizations (for-profit or nonprofit entities) with expertise in the proposed research topic area. Based on the availability of funding, cooperative agreements of up to \$150K will be awarded, and a **nonfederal match/cost share of at least 1 to 1 is expected.** [View](#)

C3.ai Digital Transformation Institute (C3DTI) - Digital Transformation and AI for Energy and Climate Security - \$100K to \$250K - Proposal Due: 3/29/21

Supports research to advance AI for energy and climate security

The energy industry is being digitally transformed at all levels of production, generation, transmission, and distribution: sensors, data analytics, new privacy-aware markets, and usage of smart meters in homes are all part of this transformation. However, the transformation of energy to be resilient to large environmental changes, faults (including maintenance errors), and cyber-attacks is still a work in progress. The early lead of energy operators in embracing digital transformation has enabled those systems to use digital transformation not only to enhance energy efficiency but also to lead the way to a lower-carbon, higher-efficiency economy that will enhance both energy and climate security. This Call for Proposals addresses the challenges for AI and Digital Transformation for Energy and Climate Security. Proposals that are interdisciplinary and inter-institutional across C3DTI [consortium partner institutions](#) as well as leading research institutions around the world are strongly encouraged. In addition to the cash award, recipients will receive cloud computing, supercomputing, data access and AI software resources and technical support provided by Microsoft and C3 AI. Proposals are required to use the C3 AI Suite and Microsoft Azure to show how the algorithms can be applied to real world data. By submitting a proposal to this solicitation, PIs and co-Investigators agree to serve as reviewers for other proposals submitted to this solicitation. [View](#)

Rutgers-Princeton Cancer Institute of New Jersey Consortium - COVID-19 Cancer-Related Pilot Award Program - Up to \$65K - Application Due: 3/31/21

Supports cancer-relevant research in the behavioral, social, and related sciences

This program will support ongoing scholarship, and new research, examining issues directly related to COVID-19 and cancer and reducing harm to individuals, groups, and society. Funds must catalyze transdisciplinary research involving behavioral, social, policy-related and/or other types of population science research; catalyze innovative approaches to assessing and addressing COVID- and cancer-related issues; and facilitate pilot research that can lead to health policy or future NIH-level funding (e.g., R01, DOD, ACS, etc.). This funding opportunity supports discrete, hypothesis-driven, well-defined projects that can be realistically completed in a one-year period and that require limited levels of funding. COVID-19 projects related to cancer include, but are not limited to, examining the impact of COVID-19 on cancer caregivers, dependents, and relatives, cancer prevention and screening interruptions due to COVID, developing evidence-based communications or outreach services tailored to vulnerable populations, assessing the economic and policy implications of COVID-19 and cancer prevention, financial toxicity, screening, cancer health services, survivorship and/or end-of life care. Proposals addressing health disparities or presenting a path toward future research and/or health policy will receive priority. Projects co-led by investigators at Rutgers and Princeton are encouraged but not required. [See email attachment above.](#)

LG Chem Ltd. - LG Chem Global Innovation Challenge 2021 - Up

to \$150K per year – Proposals Due: 3/31/21

Supports innovative research in a number of scientific fields

The LG Chem Global Innovation Challenge 2021 (GIC 2021) will support scholars with up to \$150K per year for multi-year research activities. Winners may also have the opportunity to collaborate with LG Chem's R&D teams. Scholars who have novel ideas to share with LG Chem are encouraged to apply. This program is a platform for research collaboration designed by LG Chem that will be initiated with novel proposals from universities and research institutions from all over the world. Participants are encouraged to send proposals in energy, sustainability, advanced materials, digital transformations, and other areas that need innovative solutions. [View](#)

Cancer Research Institute – CRI Irvington Postdoctoral Fellowship Program – \$175,500 – Application Due: 4/1/21

Postdoc fellowships in the broad field of immunology with relevance to solving the cancer problem

The CRI Irvington Postdoctoral Fellowship Program supports qualified young scientists at leading universities and research centers around the world who wish to receive training in fundamental immunology or cancer immunology. CRI seeks hypothesis-driven, mechanistic studies in both immunology and tumor immunology. The applicant and sponsor should make every effort to demonstrate the potential of the proposed studies to directly impact understanding of the immune system's role in cancer. Application deadlines are April 1 and October 1.

Also, in collaboration with the Fibrolamellar Cancer Foundation, CRI has secured limited funding for additional postdoctoral fellowships for candidates whose projects are focused on understanding the immunological response to fibrolamellar carcinoma and accelerating the development of effective immunotherapy treatments for this rare, aggressive liver cancer that occurs predominantly in otherwise healthy adolescents and young adults. Applicants should submit to the general CRI Irvington Postdoctoral Fellowship Program and any application in this area will be considered eligible for this special funding opportunity. [View](#)

Breakthrough Prize* – 2022 Breakthrough Prizes in Fundamental Physics, Life Sciences & Mathematics – \$50K to \$3M – Nominations Due: 4/1/21

Honors top – as well as promising early-career – scientists and mathematicians

The Breakthrough Prize, the world's largest science prize, honors top scientists, handing out three prizes in Life Sciences, one in Fundamental Physics and one in Mathematics. Each prize comes with a \$3M award. In addition, a number of smaller prizes are awarded to promising early-career scientists and mathematicians. While self-nominations are prohibited, anyone may nominate another person for the Breakthrough Prizes.

- One **Breakthrough Prize in Fundamental Physics** (\$3M) will recognize an individual(s) who has made profound contributions to human knowledge. It is open to all physicists – theoretical, mathematical and experimental – working on the deepest mysteries of the Universe. The prize can be shared among any number of scientists. Nominations are also open for the **New**

Horizons in Physics Prize, which will include up to three \$100K awards for early-career researchers who have already produced important work in their fields.

- Up to three **Breakthrough Prizes in Life Sciences** (\$3M each) will be awarded to individuals who have made transformative advances in understanding living systems and extending human life. One of the prizes is designated for work contributing to the understanding of Parkinson's disease or other neurodegenerative disorders.
- One **Breakthrough Prize in Mathematics** (\$3M) will be awarded to an individual who has made outstanding contributions to the field of mathematics. Nominations are also open for the **New Horizons in Mathematics Prize**, which will include up to three \$100K awards for early-career researchers who have already produced important work in their fields. In addition, up to three \$50K **Maryam Mirzakhani New Frontiers Prizes** will be presented to early-career women mathematicians who have completed their PhDs within the previous two years (2019, 2020). [View](#)

*The Breakthrough Prizes are sponsored by the personal foundations established by Sergey Brin, Priscilla Chan and Mark Zuckerberg, Ma Huateng, Jack Ma, Yuri and Julia Milner, and Anne Wojcicki.

Princeton University internal funds – Office of the Dean for Research Innovation Fund: New Ideas in the Natural Sciences – \$100K – Application Due: 4/5/2021

Supports faculty in the Natural Sciences (including Mathematics and Psychology) with new and emerging research ideas

This fund is designed to support the exploration of new concepts and ideas that are at an early stage and therefore not ready to form the basis of a competitive proposal submitted to a funding agency. Assistant, associate and full professors in Division III (natural sciences, including mathematics and psychology) are invited to submit proposals. [View](#)

Simons Foundation – Simons Collaboration on the Global Brain (SCGB) Bridge to Independence (BTI) Award – \$495K – Application and Letters of Recommendation Due: 4/5/21

Supports neuroscientists searching for a first faculty position by committing research funds for use at the start of their professorship

The BTI Award program aims to facilitate the transition of the next generation of systems and computational neuroscientists to research independence by providing grant funding at the start of their professorships. It is aimed at Ph.D. and M.D.-holding scientists who are currently in training positions and intend to seek tenure-track research faculty positions during the upcoming academic job cycle. This program is designed to enhance the BTI fellows' job prospects by providing a letter that specifies SCGB financial commitment to the research project once the BTI fellow has secured a suitable faculty position. Applications are especially encouraged from populations underrepresented in the scientific workforce, including but not limited to: racially underrepresented individuals, women, individuals with disabilities, individuals from disadvantaged backgrounds, and members of the LGBTQ+ community. [View](#)

Simons Foundation – Targeted Grants in Mathematics and

Physical Sciences – Amount TBD – Letter of Intent: accepted on a rolling basis

Supports high-risk theoretical mathematics, physics, and computer science projects of exceptional promise

The Targeted Grants in MPS program is intended to support high-risk theoretical mathematics, physics and computer science projects of exceptional promise and scientific importance on a case-by-case basis, and provides funding for up to five years. The funding level and duration is flexible and should be appropriate based on the type of support requested in the proposal. PIs and co-Investigators must have a Ph.D. and a tenure-track or tenured position at the time of application. There are no citizenship or department requirements for PIs.

[View](#)

Department of Energy: Advanced Research Projects Agency – Energy (ARPA-E) #DE-FOA-0002459 – OPEN 2021 – \$250K to \$10M – Concept Paper Due: 4/6/21

Supports transformational research on early-stage high-potential, high-impact energy technologies

ARPA-E funds research on and the development of high-potential, high-impact energy technologies that are too early for private-sector investment. The agency focuses on technologies that can be meaningfully advanced with a modest investment over a defined period of time in order to catalyze the translation from scientific discovery to early-stage technology. Areas of research responsive to this FOA include (but are not limited to) electricity generation by both conventional and renewable means; electricity transmission, storage, and distribution; energy efficiency for buildings, manufacturing and commerce, and personal use; and all aspects of transportation, including the production and distribution of both renewable and non-renewable fuels, electrification, and energy efficiency in transportation. Applicants should address the potential impact of the proposed technology on the agency's Mission Areas: reducing imported energy, reducing energy-related emissions, and improving energy efficiency. **NOTE:** The submission deadline for Concept Papers is **9:30 a.m. on April 6, 2021.** [View](#) and [View](#)

Camille & Henry Dreyfus Foundation – Machine Learning in the Chemical Sciences and Engineering – Amount TBD – Proposal Due: 4/8/21

Supports advances in machine learning and related aspects of data science to benefit the chemical sciences and engineering

This program provides funding for innovative projects in any area of Machine Learning (ML) that demonstrate potential to significantly stimulate and accelerate the development of the use of ML and other related aspects of data science to the Chemical Sciences and Engineering. Proposed projects should contribute new fundamental chemical insight and innovation in the field. PIs are limited to one proposal annually. [View](#)

Princeton University internal funds – Art & Archaeology: Barr Ferree Publication Fund – Amount TBD – Application Due: 4/15/21

Supports the publication expense of books of merit on architecture and related topics in the fine arts

Press Subventions for enhancements to publications and the cost of reproduction fees charged by image collections for books on architecture and related topics in the fine arts, including but not limited to, sculpture, painting, engraving, music, drawing, landscape design, city planning, and industrial arts. Projects must be the product of primary research by current Princeton faculty members, librarians, curators or other academic professionals with continuing appointment, or based on doctoral research by former Princeton Ph.D.s (ordinarily only up to fifteen years after the Ph.D. defense date). Applicants are expected to explore fully other sources of support, both inside and outside the University, before requesting a Barr Ferree Publication Fund grant, particularly in connection with projects requiring sizable expenditures. The review committee is favorably disposed to match departmental support, and grants to complement other support will be made whenever possible. There are two submission deadlines each year: April 15 and November 15. [View](#)

Princeton University internal funds - High Meadows Environmental Institute: Walbridge Fund Graduate Award for Environmental Research - \$10K - Application Due: 4/16/21

Provides dissertation support to graduate students doing research on a variety of environmental topics

This award provides up to \$10K in research funding to post-graduates graduate students pursuing innovative research on climate science, energy solutions, environmental policy or, more broadly, on other environmental topics. Projects from a broad range of disciplines are eligible; Princeton graduate students from any department can apply. Funds are for dissertation support, and may be used for a range of purposes, including fieldwork, travel, conference participation, equipment purchases, and costs associated with data analysis and facilities use. The funds cannot be used for tuition support or indirect costs. Awards are for one year and are nonrenewable. [View](#)

National Science Foundation #21-554 - Designing Accountable Software Systems (DASS) - \$750K - Proposal Due: 4/19/21

Funds interdisciplinary collaborations investigating the relationship between software systems and their social-legal contexts

The DASS program solicits foundational research aimed towards a deeper understanding and formalization of the bi-directional relationship between software systems and the complex social and legal contexts within which software systems must be designed and operate. It will support well-conceived collaborations between researchers in computer and information science and engineering together with researchers in law and social, behavioral, and economic sciences to jointly develop rigorous and reproducible methodologies for understanding the drivers of social goals for software and for designing, implementing, and validating accountable software systems. Proposals for this program must create general advances in both (1) understanding the social, behavioral, economic and/or legal context of software design; and (2) improving the methodology for designing accountable software beyond specific use cases. Each proposal must have at least one Principal Investigator (PI) or co-PI with expertise in software design and at least one PI with expertise in law or a social, behavioral, or economic science. All proposals must contain a detailed collaboration plan. [View](#)

J.M. Kaplan Fund - J.M.K. Innovation Prize - \$175K - 1st Round Application Due: 4/30/21

Funds innovative early-stage projects within and across the fields of social justice, the environment, and heritage conservation

The J.M.K. Innovation Prize seeks to identify, support, and elevate innovators who are spearheading transformative early-stage projects in the fields of social justice, the environment, and heritage conservation. The Prize seeks out visionary non-profit and mission-driven for-profit organizations that work within, across, or in a manner related to one or more of these three areas. In 2021, up to ten Prizes will be awarded, each including a cash award of \$150K over three years, plus \$25K in technical assistance funds. Awardees also receive guidance through the Fund and its resource network, providing tools and training that can help turn innovative ideas into life-changing social impacts.

[View](#)

National Science Foundation #21-559 - National Robotics Initiative 3.0: Innovations in Integration of Robotics (NRI-3.0) - \$250K to \$1.5M - Proposal Due 5/3/21

Supports fundamental research on innovative integration of robotics technologies

The NRI-3.0 program seeks fundamental research on integrated robot systems and builds upon the previous NRI programs to focus on innovative integration of robotics technologies. Proposals should demonstrate that the proposed system will enable new functionality or significantly improve upon the state of the art of integrated robotics. The program seeks to strengthen the robotics research community, fostering innovation and workforce development, accelerating progress, demonstrating novel capabilities, and building ecosystems for innovation. It aims to promote new integrated approaches to the challenges of accountability, interoperability, ethical operation and trust which will be engendered by integrated functional ubiquitous robots; cross-disciplinary projects are encouraged. Collaboration among academic, industry, government, non-profit, and other organizations is encouraged to establish better linkages between fundamental science and engineering and technology development and use, through partnerships among researchers, applications developers, users, and industry. International collaborations that enhance and add significant value to the proposed research and education activities will also be considered.

[View](#)

National Science Foundation #21-560 - Understanding the Rules of Life: Emergent Networks (URoL:EN) Predicting Transformation of Living Systems in Evolving Environments - Up to \$3M - Proposal Due: 5/10/21

Supports interdisciplinary research that contributes to understanding emergent networks of living systems

The goal of the URoL:EN program is to foster crosscutting convergent research that integrates perspectives and research approaches from more than one scientific discipline. This solicitation will support efforts to understand "rules of emergence" for networks of living systems and their environments. Emergent

networks describe the interactions among organismal, environmental, social, and human-engineered systems that are complex and often unexpected given the behaviors of these systems when observed in isolation. Successful projects of the URoL:EN program are expected to use convergent approaches that explore emergent network properties of living systems across various levels of organizational scale and, ultimately, contribute to understanding the rules of life through new theories and reliable predictions about the impact of specific environmental changes on behaviors of complex living systems, or engineerable interventions and technologies based on a rule of life to address associated outcomes for societal benefit. The convergent scope of URoL:EN projects also provides unique STEM education and outreach possibilities to train the next generation of scientists in a diversity of approaches and to engage society more generally. The URoL:EN program encourages research projects that integrate training and outreach activities in their research plan, provide convergent training opportunities for researchers and students, develop novel teaching modules, and broaden participation of under-represented groups in science. [View](#)

Previously Announced Funding Opportunities

FACE Foundation & the Embassy of France in the United States - Thomas Jefferson Fund - \$20K - Application Due: 2/24/2021

Provides funding for collaborative projects between early-career researchers in the U.S. and France

The Thomas Jefferson Fund supports new collaborations and innovative projects between promising young researchers in France and the United States. It fosters forward-looking collaborative research in the fields of Humanities and Social Sciences; Science, Technology, Engineering and Mathematics; and Science for Society, that addresses the most pressing global challenges. Grants bring young talented researchers together to initiate or strengthen their collaborative research activities, co-organize conferences, and author joint articles for high-level publications, in order to achieve game-changing discoveries. [View](#)

National Science Foundation #21-535 - Smart and Connected Communities - funding varies by track - Proposal Due: 2/24/2021

Supports integrative research addressing technological and social science dimensions of smart and connected communities

Communities in the U.S. and around the world are entering a new era of transformation in which residents and their surrounding environments are increasingly connected through rapidly-changing intelligent technologies. This transformation offers great promise for improved wellbeing and prosperity but poses significant challenges at the complex intersection of technology and society. The goal of this program solicitation is to accelerate the creation of the scientific and engineering foundations that will enable smart and connected communities to bring about new levels of economic opportunity and growth, safety and security, health and wellness, accessibility and inclusivity, and overall quality of life. Researchers are encouraged to work with community stakeholders to identify and define challenges they are facing, enabling those

challenges to motivate use-inspired research questions. [View](#)

Mark Foundation for Cancer Research – Endeavor Awards – \$3M – Letter of Intent Due: 3/1/2021

Supports collaborative research in the prevention, diagnosis, and treatment of cancer

The Mark Foundation Endeavor Awards support collaborative research projects that bring together investigators with diverse areas of expertise to tackle challenges in the prevention, diagnosis, and treatment of cancer. These grants are awarded to teams of three or more investigators to generate and integrate data from diverse lines of research and transform those insights into advances for cancer patients that could not be achieved by individual efforts. Institutions may submit more than one application; however, no more than one proposal per institution will be advanced to the finalist phase. [View](#)

J.M. Kaplan Fund – Furthermore Grants in Publishing – \$15K – Application Due: 3/1/2021

For nonfiction books on art, architecture, design; cultural history, the city, related public issues; conservation, preservation

Furthermore grants assist with specific publication components (writing, research, editing, indexing, design, illustration, photography, and printing and binding) for nonfiction books having to do with art, architecture, and design; cultural history, the city, and related public issues; and conservation and preservation. Grants support work that appeals to an informed general audience, gives evidence of high standards in editing, design, and production, and promises a reasonable shelf life. [View](#)

International Institute for Asian Studies – IIAS Fellowships – €21,000 – Application Due: 3/1/2021

Provides funding for Asian studies in the social sciences and humanities

Ten-month residential fellowships at Leiden University in the Netherlands support outstanding researchers from around the world to work on an important aspect of Asian studies research in the social sciences and humanities. Interdisciplinary interests are encouraged. Researchers who would like to work on a collaborative grant proposal or develop their PhD thesis into a book publication are welcome to apply. [View](#)

National Academy of Medicine – Healthy Longevity Catalyst Award – \$50K – Application Due: 3/8/2021

Supports bold ideas to extend a healthy, productive, and socially-connected human lifespan

Catalyst Awards will reward bold, new, potentially transformative ideas to improve the physical, mental, or social well-being and health of people as they age, in a measurable and equitable way. The National Academy of Medicine (NAM) seeks innovative approaches that aim to extend the human healthspan,

especially approaches that challenge existing paradigms or propose new methodologies or concepts. High-risk ideas that could potentially yield high rewards and, in turn, dramatically change the field of healthy longevity are encouraged. Ideas may focus on any stage of life, as long as they ultimately promote health as people age. Applications may also originate from any field or combination of fields (e.g., biology, chemistry, medicine, engineering, behavioral and social sciences, technology, data science, and policy). The NAM Catalyst Awards are open to any person or team of any discipline or background; the PI must reside in the U.S. as a U.S. citizen, legal resident alien, or non-resident alien with a valid visa. [View](#)

American Chemical Society Petroleum Research Fund - New Directions Grants - \$110K - Proposal Due: 3/12/2021

Provides seed funding to established faculty for a new research direction

The New Directions (ND) grants program provides funds to scientists and engineers with limited – or even no – preliminary results for a research project they wish to pursue, and who intend to use the PRF-driven preliminary results to seek continuation funding from other agencies. ND grants are to be used to illustrate proof of concept/feasibility. Accordingly, they are to be viewed as seed money for new research ventures; funds also support the development of the next generation of engineers and scientists through advanced scientific education. [View](#)

American Chemical Society Petroleum Research Fund - Doctoral New Investigator Grants - \$110K - Proposal Due: 3/12/2021

Promotes the careers of early-career faculty by providing start-up funding for high quality research

The Doctoral New Investigator grants program aims to promote the careers of young scientists and engineers who are within the first three years of their first academic appointment and developing a new direction for their research. Funds support research projects of high scientific caliber, and enhance the career opportunities of the PI's undergraduate/graduate students, and postdoctoral associates through the research experience. [View](#)

Sontag Foundation - Distinguished Scientist Award - \$600K - Application Due: 3/17/2021

Supports early-career faculty working in the field of brain cancer research

The Distinguished Scientist Award (DSA) seeks to provide career and research support to early-career faculty who demonstrate outstanding promise for making scientific and medical breakthroughs in the field of brain cancer research. Recipients of the award are inspired individuals with projects that show potential to generate new knowledge relating to causes, cure or treatment of primary brain tumors/brain cancer. [View](#)

New Jersey Commission on Cancer Research - NJCCR Bridge Research Grants - Amount TBD - Application Due: 3/31/2021

Provides bridge funding to cancer researchers in order to strengthen a future grant application

This award is designed to enhance cancer-related research at New Jersey institutions by providing funding to promising and productive investigators who anticipate a short-term interruption in funding for research projects focused on cancer prevention, diagnosis, treatment and survivorship. The goal of the program is to strengthen the competitive position of a faculty member whose extramural grant application was reviewed and scored highly but not funded. [View](#)

Mid-Atlantic Arts Foundation - USArtists International Travel Grants - \$15K - Application Due: 3/31/2021

Assists U.S. performing artists seeking travel funding to perform internationally

The USArtists International grant program is designed to encourage the presence of U.S. performing artists on international stages and in the global arts community; to support engagements that develop and expand both the careers and artistic goals of U.S. performers by providing connections with presenters, curators, and fellow artists; and to promote justice in the arts community by elevating the diverse voices contributing to the vibrant array of creative expression in the United States. The program supports the engagements of exemplary solo artists and ensembles across all performing arts disciplines including dance, music, theater, multidisciplinary work, and folk/traditional arts. **NOTE:** there are two grant cycles each year, fall and spring; the spring 2021 cycle funds projects taking place between July 1, 2021 and June 30, 2022. [View](#)

U.S. Army Research Office - Broad Agency Announcement for Fundamental Research - Amount TBD - Submission Period Ends: 3/31/2022

Provides support for cutting-edge fundamental research in a variety of scientific fields

Supports scientific research in mechanical sciences, mathematical sciences, electronics, computing science, physics, chemistry, life sciences, materials science, network science, and environmental sciences. Proposals will be considered only for fundamental scientific study and experimentation directed toward advancing the scientific state of the art or increasing basic knowledge and understanding. Projects must involve cutting-edge innovative research that could produce discoveries that would have a significant impact on enabling new and improved Army operational capabilities and related technologies. Prospective applicants are strongly encouraged to first contact the appropriate Technical Point of Contact to make preliminary inquiries as to the general need for the type of research effort contemplated. [View](#)

U.S. Army Research Office - Broad Agency Announcement for Basic & Applied Scientific Research - Amount TBD - Submission Period Ends: 3/31/2022

Supports innovative research in a range of scientific areas of potential benefit to Army operations

Funds research based on the following Science & Technology campaigns: Computational Sciences, Materials Research, Sciences for Maneuver, Information Sciences, Sciences for Lethality and Protection, Human Sciences, and Assessment and Analysis. Proposals are sought for cutting-edge innovative research that could produce discoveries with a significant impact to enable new and improved Army technologies and related operational capabilities and related technologies. Prospective applicants are strongly encouraged to first contact the appropriate Technical Point of Contact to make preliminary inquiries as to the general need for the type of research effort contemplated. [View](#)

New Jersey Commission on Science, Innovation and Technology - Clean Tech Seed Grant Program - \$75K - Application Due: 4/5/2021*

Helps early-stage tech/clean energy companies to develop discoveries into commercially viable technologies

The Clean Tech Seed Grant Program is aimed at helping New Jersey based early-stage clean tech/clean energy companies accelerate development and innovation of clean technologies to transform new discoveries from research stage into commercially viable technologies, leading to industry and investor interest.

*NOTE: the Application Portal will close prior to April 5 if 50 completed applications have already been received. [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