Research Funding Announcement
February 4, 2021

Visit the Princeton Research Funding Gateway for more funding opportunities.

Upcoming Funding Opportunities

Esther A. & Joseph Klingenstein Fund – Klingenstein-Simons Fellowship Awards in Neuroscience – $225K – Application Due: 2/15/2021
Supports early-career faculty seeking to understand the mechanisms underlying neurological and behavioral disorders
The Klingenstein-Simons Fellowship supports early-career faculty engaged in basic or clinical research that may lead to a better understanding of neurological and psychiatric disorders. Several areas within neuroscience are of particular interest: Cellular and molecular neuroscience—studies of the mechanisms of neuronal excitability and development, and of the genetic basis of behavior; Neural systems—studies of the integrative function of the nervous system; and Translational research—studies designed to improve our understanding of the causes, prevention, diagnosis, and treatment of neurological and psychiatric disorders. View

National Science Foundation #21-517 – Integrative Strategies for Understanding Neural and Cognitive Systems – $500K to $3M – Proposal Due: 2/15/2021
Supports research seeking to understand complex aspects of neural and cognitive systems
The complexities of brain and behavior pose fundamental questions in many areas of science and engineering, drawing intense interest across a broad
spectrum of disciplinary perspectives while eluding explanation by any one of them. Rapid advances within and across disciplines are leading to an increasingly interwoven fabric of theories, models, empirical methods and findings, and educational approaches, opening new opportunities to understand complex aspects of neural and cognitive systems through integrative multidisciplinary approaches. This program calls for innovative, convergent, boundary-crossing proposals that can best capture those opportunities and map out new research frontiers. NSF seeks proposals that pursue high-value scientific and technical risks by transcending the perspectives and approaches typical of disciplinary research efforts. NSF envisions a connected portfolio of transformative, integrative projects that create synergistic links across investigators and communities, yielding novel ways of tackling the challenges of understanding the brain in action and in context. View

**American Heart Association – Career Development Award – $231K – Application Due: 2/16/2021**

*Provides early-career faculty with training in cardiovascular, cerebrovascular, and brain health research*

The award supports highly promising academic professionals, in the early years of their first professional appointment, to explore innovative questions or pilot studies that will provide preliminary data and training necessary to assure the applicant’s future success as a research scientist. The award’s purpose is to develop research skills to enhance an awardee’s chance to obtain and retain a high-quality career position. AHA awards are open to researchers in all academic disciplines, including but not limited to biology, chemistry, mathematics, technology, physics, etc. View

**National Science Foundation #21-531 – Designing Synthetic Cells Beyond the Bounds of Evolution – $500K to $2M – Proposal Due: 2/16/2021**

*Supports research on designing and building synthetically modified cells*

Because of recent technological advances in synthetic biology and bioengineering, researchers are now able to tailor cells and cell-like systems for a variety of basic and applied research purposes. The goal of this solicitation is to support research that (1) develops cell-like systems to identify the minimal requirements for the processes of life, (2) designs synthetically-modified cells to address fundamental questions in the evolution of life or to explore biological diversity beyond that which currently exists in nature, and (3) leverages basic research in cell design to build novel synthetic cell-like systems and cells for innovative biotechnology applications. Highest funding priority is given to proposals that have outstanding intellectual merit and broader impacts, while proposals with weaknesses in either category (or those that are perceived as likely to have an incremental impact) will not be competitive. Proposals submitted to this solicitation should address social, ethical, and safety issues associated with designing and building synthetically modified cells as an integrated component of the project. View

**New York Stem Cell Foundation – Stem Cell Investigator Award – $1.5M – Application Due: 2/17/2021**
Provides funding to early-career faculty researchers for innovative stem cell research
NYSCF is soliciting applications from early-career investigators (within 6 years of beginning their first faculty position) to explore the basic biology and translational potential of stem cells. The goal of this initiative is to foster bold and innovative scientists with the potential to transform the field of stem cell research, and advance understanding and use of stem cells in the development of treatments for human disease. In addition to providing funding, NYSCF partners with investigators to advance and translate their research. View

New York Stem Cell Foundation – Neuroscience Investigator Award – $1.5M – Application Due: 2/17/2021
Provides funding to early-career faculty for innovative research in all fields of neuroscience
NYSCF is soliciting applications from early-career investigators (within 6 years of beginning their first faculty position) with the potential to transform the field of neuroscience. Applicants are invited to apply from all fields in neuroscience; however, this year applications are especially encouraged from neuroscientists whose research is focused on human systems. Applicants need not be working in areas related to stem cells or related areas. View

National Science Foundation #20-531 – Algorithms for Threat Detection – $150K to $300K – Proposal Due: 2/17/2021
Supports development of novel algorithms for analysis of geospatial datasets to model human dynamics
This program will support research projects to develop the next generation of mathematical and statistical algorithms for analysis of large spatiotemporal datasets with application to quantitative models of human dynamics. The program is a partnership between the Division of Mathematical Sciences (DMS) at the National Science Foundation (NSF) and the National Geospatial Intelligence Agency (NGA). View

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](#)

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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](#)

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*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](#)

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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 – NJCCCR 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 USAArtists 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


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

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