Dear Deans, Chairs, Directors, Faculty, and Administrators:

I hope that you had a pleasant summer. Now that September is here, we in Corporate Engagement and Foundation Relations are pleased to share with you the first Research Funding Announcement of the fall semester. We hope that you find it helpful in identifying potential funding opportunities for your research, and for your postdocs and graduate students as well. Please share this information with any Princeton colleagues who may be interested.

I would also like to encourage you to visit the Princeton Research Funding Gateway, where you can conduct searches for funding opportunities in your particular areas of interest. New opportunities are being added all the time. While it is possible to use the Gateway without logging in, we urge you to take the extra moment to do so, as logging in allows you to save your search results and favorite funding opportunities for later viewing.

The Gateway and the Research Funding Announcements are designed to augment staff assistance for your research funding, not replace it. Please don’t hesitate to contact the CEFR, ORPA, and DFR teams for help; we look forward to working with you!
With best wishes for a successful fall semester,

Coleen Burrus
Director, CEFR

Alerts and Notices

The first 100 campus users to visit the Gateway and create a login in September will receive a Princeton Research Funding Gateway mug!

Microsoft has issued a Sustainability Request for Information (RFI) seeking input from the research and technical community committed to working toward a carbon negative globe. Ideas about how Microsoft can accelerate progress toward technological breakthroughs enabling economic, global scale application of carbon removal, renewable energy and materials with lower or negative carbon footprint will be invaluable as the company plans for future research collaborations and engagements focused on reaching carbon negative for all of humanity, globally. The RFI is open through September 15, 2021.

The National Institutes of Health Climate Change and Human Health Working Group invites feedback on the approaches NIH Institutes, Centers, and Offices can take to enhance research on the health implications of climate change in the United States and globally. The deadline for responses to the Request for Information (RFI): Climate Change and Health (NOT-ES-21-009) has been extended to September 17, 2021.

The NIH has issued a Clarification and Guidance for Applicants Preparing Applications for the Fall 2021 Due Dates During the COVID-19 Pandemic (NOT-OD-21-180).

The National Science Foundation has published a revised version of the NSF Grants.gov Application Guide (NSF 21-084). The Guide has been updated to align with the changes to NSF’s Proposal & Award Policies & Procedures Guide (PAPPG) (NSF 22-1). The Guide will be effective for applications submitted (via Grants.gov) or due, on or after October 4, 2021.

Also, the Fall 2021 NSF Virtual Grants Conference will be broadcast live on Zoom during the week of October 4-8, 2021. To register for this free event, visit the conference website (you will need to register for each Zoom session you wish to attend; only one per time period, though). For those who cannot attend the live conference, all recorded conference sessions will be available on-demand shortly after the event.
The NSF Directorate for Education and Human Resources wishes to notify the community of its intention to support fundamental and applied research on STEM teaching, learning, and workforce development – and the development of innovative STEM teaching and learning approaches – for persons of all ages with disabilities. This notification identifies opportunities for such research and development through a variety of NSF programs.

Selected Upcoming Funding Opportunities
(Go to the Princeton Research Funding Gateway to search for additional opportunities that meet your areas of interest)

Water Research Foundation – Research Priority Program – Amount Varies – Proposal Due: 9/14/21 or 9/28/21 by 3 pm Mountain Time*

Funds targeted research to address issues, challenges, and opportunities to ensuring water quality and improving water service to the public

Supports research to find the best solutions to problems of shared interest among the Foundation's subscribers and research partners. Funding amount varies by topic, but ranges from $100K–$250K. *Currently there are two open funding opportunities with proposals due no later than September 14, and four additional opportunities where proposals are due by September 28; early submission is highly encouraged. View

Royal Netherlands Academy of Arts and Sciences – Heineken Prizes for Sciences – $200K – Nomination Due: 9/15/21 by 11:59 pm Central European Time

Prizes recognize significant achievement in history, biochemistry/biophysics, environmental science, cognitive science, and medicine

Awarded every other year to internationally-recognized scientists and scholars, the five Heineken Prizes recognize unique achievement in the fields of biochemistry and biophysics, history, medicine, environmental sciences, and cognitive science. They are intended explicitly for scientists and scholars currently active in their field whose research still holds considerable promise. Self-nominations are not accepted. View

National Offshore Wind Research and Development Consortium (NOWRDC) – Innovations in Offshore Wind Solicitation 2.0 – $300K to $1.5M – Round 1 Concept Paper Due: 9/16/21 by 3 pm*

Funds industry-focused research and development of offshore wind to maximize economic and social benefits in the U.S.

NOWRDC is a nationally focused, not-for-profit organization collaborating with industry on prioritized R&D activities that will remove barriers to implementation of offshore wind in all U.S. wind regions and support the growth of U.S.-based offshore wind manufacturing and the supply chain. Proposals should focus on new solutions that remove barriers and address issues essential for cost reduction, deployment, and industry growth, and demonstrate technologies with a high potential for replicability,
providing a feasible path to commercialization. The Round 1 topic area is Supply and Logistics, Operations & Maintenance. Three categories of research will be considered for funding: Technical Feasibility Studies (up to $300K); New Product, Systems, Service or Strategy Development (up to $800K); and Demonstration of Technologies, Systems or Services (up to $1.5M). **NOTE: The State of NJ may have cost share opportunities available for project awards under this solicitation.**
*Concept Paper is due by September 16 at 3 pm; invited full proposals will be due by November 10, 2021, 3 pm. Concept Papers for Round 2: Environmental Conflicting Use Mitigation, Power Systems & Interconnection will be due on March 9, 2022. View*

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**National Institutes of Health – Cancer Research Education Grants Program – Amount Varies – Application Due: 9/25/21**

**Supports educational activities that help train a workforce to meet the nation’s biomedical, behavioral and clinical research needs**

The overarching goals of this program are to: (1) complement and/or enhance the training of a workforce to meet the nation’s biomedical, behavioral and clinical research needs; (2) encourage individuals from diverse backgrounds, including those from groups underrepresented in the biomedical and behavioral sciences, to pursue further studies or careers in research; (3) help recruit individuals with specific specialty or disciplinary backgrounds to research careers in biomedical, behavioral and clinical sciences; and (4) foster a better understanding of biomedical, behavioral and clinical research and its implications. NIH research education programs should be used primarily for the education of U.S. citizens and permanent residents.

**Curriculum or Methods Development PAR-21-065:** Proposed activities should have high potential to improve biomedical, behavioral or clinical cancer research education, or involve the development of novel instructional approaches or computer-based tools for cancer research education. Projects may request up to $150K per year for up to 2 years to develop, test, and prepare for dissemination.

**Courses for Skills Development PAR-21-278:** Proposed courses should provide innovative, state-of-the-art, evidence-based cancer research education that is derived from biomedical, behavioral and clinical cancer research findings. All instructional activities must be completed within a 12-month period, and the course must be offered during each year that support is requested (up to $300K per year for up to 5 years).

**Research Experiences PAR-21-279:** Funds innovative approaches to providing hands-on exposure to cancer research for a full-time (40 hours per week) period of 8 to 15 weeks* in order to stimulate the interest and advance the knowledge base of participants to consider further education and training for future careers as cancer researchers. (*Programs that propose at least 8 weeks, but fewer than 15 weeks, of full-time research experiences may request continued part-time support for some/all participants to continue to work on their research projects.) New programs may request up to $300K per year; renewal applications may request up to $400K per year; maximum project period is 5 years.

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**Princeton University Internal Funds – Atmospheric and Oceanic Sciences: Cooperative Institute for Modeling the Earth System (CIMES) – $50K to $100K – Proposal Due: 9/30/21**

**Funds research related to modeling and understanding the Earth system**

Supports projects related to modeling and understanding the Earth system that align with the strategic goals of NOAA’s Geophysical Fluid Dynamics Laboratory (GFDL); collaboration with NOAA/GFDL scientists is strongly encouraged. In addition, CIMES can also support a limited number of projects supported by Princeton University [Dean for Research](#) funds. View
BioMarin Pharmaceutical Inc. – Advancing Treatments for Rare Diseases – Amount Varies* – Proposal Due: 10/1/21

**Supports work on innovative technologies and therapeutic approaches to help advance treatments for rare genetic diseases**

BioMarin develops and commercializes innovative biopharmaceuticals for rare diseases driven by genetic causes, and is looking to support scientists who are developing new therapeutic approaches and enabling technologies that correct the underlying molecular defect in genetic-based rare diseases. *Funding is commensurate with the research planned. A very brief proposal is due by October 1, but early submission is encouraged. NOTE: see document attached to this email for more information.*

National Institutes of Health #NOT-MH-21-330 – Social, Behavioral, and Economic Impact of COVID-19 in Underserved and Vulnerable Populations – Amount Varies – Application Due: 10/5/21

**Funds research on COVID-19 health-related outcomes or behaviors, especially in vulnerable populations or those with health disparities**

To strengthen the understanding and response to social, behavioral, and economic impacts of the COVID-19 pandemic and help prepare more effectively for future public health emergencies, NIH Institutes, Centers, and Offices participating in this Notice of Special Interest (NOSI) are encouraging the submission of applications to address areas of scientific interest focused on COVID-19 health-related outcomes or behaviors, with particular emphasis on populations with health disparities and vulnerable populations. Projects that involve collaborations with relevant community partners are strongly encouraged. Investigators interested in responding to this NOSI are strongly encouraged to consult the Scientific/Research Contact(s) provided prior to the application due date so that NIH can give technical assistance on whether the proposed project meets the goals and mission of the Institute, whether it addresses one or more high priority research areas (particularly in the context of the rapidly changing landscape of COVID-19 related research), and to aid in the selection of the most appropriate FOA. [View](#)

National Endowment for the Humanities #20211201-RZ – Collaborative Research Program – Up to $250K (Varies by Project Category) – Draft Proposal Due: 10/7/21*

**Supports scholarly collaboration in the humanities**

Funds sustained collaboration between two or more scholars at the same or different institutions who seek to increase humanistic knowledge through convenings, research, manuscript preparation for collaborative publications, or the creation of scholarly digital projects. The collaborative work can take place within a single field of study or across disciplines; international collaboration is encouraged, but the project director must be based at a U.S. institution, and project teams must include an equitable balance of U.S.- and non-U.S. scholars. The program encourages projects that propose diverse approaches to topics, incorporate multiple points of view, and explore new avenues of inquiry in the humanities. There are four project categories: Planning International Collaboration (up to $25K; 6-12 months); Conference (up to $100K; up to 2 years); Manuscript Preparation (up to $250K; 1-3 years) and Scholarly Digital Projects (up to $250K; 1-3 years). A recorded pre-application webinar is available on the website, and another will be held on Tuesday, September 21, at 2 pm ET; click [here](#) to join. *An optional draft proposal is due by October 7 (please see instructions); the full application will be due by December 1, 2021. NOTE: This is
an institutional proposal with Princeton as the applicant; please work with your department’s grant manager/department manager and ORPA departmental contact from an early stage. View

Amazon Research – Fall 2021 Funding Opportunities – Up to $80K plus AWS Promotional Credits – Proposal Due: 10/8/21

Funds research at the intersection of social science and data science to help solve social problems of interest to Amazon

Supports researchers at the intersection of data and social science to accelerate innovation in the use of shared data to solve complex social problems through collaborative and collective action in academia, government, and industry. Proposals related to theory, practice, and novel new techniques are all welcome. Fall 2021 topics: Amazon Device Security and Privacy; Amazon Payments; AI for Information Security; AWS AI; AWS Automated Reasoning; Data for Social Sustainability; Prime Video; and Robotics. View

National Oceanic and Atmospheric Administration #NOAA-NOS-NCCOS-2022-2006992 – Integrated Research on Coastal and Ocean Acidification and Harmful Algal Blooms – $300K to $1.5M – Letter of Intent Due: 10/14/21 by 11:59 pm*

Supports research on the interaction between coastal and ocean acidification and harmful algal blooms, and their negative effects on plants, animals, and humans

Funds work to address multi-stressor research questions in the coastal environment, and how combined stressors, including ocean acidification and harmful algal blooms, will affect marine ecosystems and have socioeconomic and cultural impacts on coastal communities. Proposals may request $300K to $500K per year for up to 3 years.

*Mandatory Letter of Intent must be emailed to nccos.grant.awards@noaa.gov and received no later than October 14, 11:59 pm; full applications are due by January 19, 2022, 11:59 pm, but early submission is encouraged. View

Princeton University Internal Funds – Dean for Research: Award for Distinguished Innovation – See Below – Nomination Due: 10/15/21*

Prize recognizing research innovation in any field that has moved beyond Princeton’s campus to benefit humanity

Recognizes an innovation led by a Princeton faculty member (and their research team) whose scholarly activity and creative thinking has moved beyond the confines of campus to be in the service of humanity. The award competition is open to all faculty across all disciplines of research. The selection committee will be comprised of external innovators and entrepreneurs. The awardee(s) will receive a plaque and an honorarium, and have the honor of delivering a lecture during the awards ceremony on December 2 at the Princeton Innovation Engage 2021 conference. *Self-nominations are welcomed. View

National Institutes of Health #PAR-21-271 – MOSAIC Postdoctoral Career Transition Award to Promote Diversity – Amount Varies – Application Due: 10/27/21

Helps postdocs from diverse backgrounds in the biomedical sciences to launch successful, independent research careers
The Maximizing Opportunities for Scientific and Academic Independent Careers (MOSAIC) award program supports early-career, independent investigators from diverse backgrounds in order to enhance diversity in the biomedical research workforce by facilitating a timely transition of promising postdoctoral researchers into independent, tenure-track research-intensive faculty positions. Candidates are strongly encouraged to apply no later than the third year of their postdoctoral training, as MOSAIC is intended for individuals who require at least 12 months of mentored career development before transitioning to the award phase of the program. Applicants are strongly encouraged to consult with NIH scientific/research staff when planning an application. Funding amount is based on standard salary/support levels at NIH and both the postdoc and faculty institutions. View

Office of Naval Research, Department of Defense #N00014-21-S-F008 – Young Investigator Program – Usually $510K* – Proposal Due: 10/29/21 by 11:59 pm (see NOTE below)

Funds research by early-career faculty on a wide range of topics

Supports academic scientists and engineers who are in their first or second full-time tenure-track academic appointment, who have received their PhD or equivalent degree on or after January 1, 2014, and who show exceptional promise for doing creative research in the many areas of interest to ONR. *Typical awards are $510K (up to $170K per year for 3 years). Additional funding of up to $250K may be requested to cover equipment costs, testing, ship time, etc.; however, such requests must be discussed with the Program Officer in advance. NOTE: Applicants are strongly encouraged to contact the appropriate Program Officer for a specific technical area prior to October 15, 12 noon to discuss their research ideas before submitting a proposal; brief informal pre-proposals may be emailed ahead of time to facilitate these discussions, if desired. View

Ho-Am Foundation – Samsung Ho-Am Prizes – $275K* – Nomination Due: 10/31/21

Awarded annually in six categories of human endeavor, these prizes recognize people of Korean heritage or contributions to Korean society

Presented annually to individuals who have contributed to academics, the arts, and social development, or who have furthered the welfare of humanity through distinguished accomplishments in their respective professional fields. Prize categories: Physics and Mathematics; Chemistry and Life Sciences; Engineering; Medicine; the Arts; Community Service; and the Special Prize. With the exception of the last two categories, the Prizes are presented to people of Korean heritage. The Prize for Community Service is awarded to individuals or organizations, regardless of nationality, that have promoted the welfare of Korean society. The Special Prize is awarded periodically to individuals and organizations, regardless of nationality, that have made outstanding contributions to Korean or international society in areas outside of the other six Prize categories. *Prize recipients receive a pure gold medal and a cash prize of KRW 300 million (approx. $275K USD). A nominator can recommend only one candidate in each field. View

National Museum of American History – Arthur Molella Distinguished Fellowship – $35K – Application Due: 11/1/21 by 11:59 pm

Provides senior scholars in several history-related fields with visiting appointments at the National Museum of American History
The Smithsonian’s Lemelson Center for the Study of Invention and Innovation at the National Museum of American History offers this fellowship to support the work of senior scholars. Endowed by The Lemelson Foundation to honor the Center’s founding director, this fellowship offers a flexible visiting appointment to an experienced author or senior scholar (at the associate/full/emeritus professor level) from the history of technology, science and technology studies, business history, museum studies, STEAM education, or an allied field. View

American-Scandinavian Foundation – Fellowships & Grants for Americans to Study in Scandinavia – Amount Varies – Application Due: 11/1/21

Assists Americans in all fields to pursue research or creative-arts projects in the Nordic region

ASF funds academic-year fellowships of up to $23K and short term (1-3 months) grants of up to $5K to graduate students (preferably conducting dissertation research) and academic professionals interested in pursuing research or creative-arts projects in the Nordic region. Applicants must arrange their own affiliation in Scandinavia before applying to ASF. Awards are made in all fields. Some ability in a Nordic language is preferred. View

GRAMMY Museum – 2022 Grant Program – $5K to $20K – Letter of Inquiry Due: 11/1/21*

Supports archiving/preserving the music heritage of North America, and research on the impact of music on the human condition

Grants are made to organizations and individuals to support efforts that advance the archiving and preservation of the music and recorded sound heritage of North America, and research projects related to the impact of music on the human condition. Award categories: Scientific Research (up to $20K); Preservation Implementation (up to $20K); and Preservation Assistance (up to $5K). *Mandatory Letter of Inquiry due no later than November 1; select applicants will be invited to complete a full application in Winter 2021. View

National Science Foundation #NSF 21-605 – Earth Sciences Postdoctoral Fellowships – Up to $180K – Proposal Due: 11/3/21

Provides fellowships to early-stage postdoctoral scholars in the earth sciences

Postdoctoral Fellowships are awarded to recent recipients of doctoral degrees to conduct an integrated program of independent research and professional development; the research theme of this current solicitation is "issues relating to scale." Candidates are encouraged to approach the fellowships as opportunities to broaden their experience with research that moves beyond their previous research focus, and that takes a broad view of integrating disciplines, extending technical approaches to problems, or expanding collaborations. Amount awarded is $90K per year for up to 2 years. View

Russell Sage Foundation and Bill & Melinda Gates Foundation – Pipeline Grants Competition – $30K to $50K* – Proposals Due: 11/4/21 by 2 pm

Funds research by underrepresented early- and mid-career faculty in the
social sciences on economic mobility/access to opportunity

Offered in collaboration with the Economic Mobility and Opportunity program at the Gates Foundation, this grant competition seeks to advance innovative research on economic mobility and access to opportunity in the U.S. that focuses on structural barriers and how individuals, communities and state entities understand, navigate and challenge systemic inequalities. This initiative looks to promote racial, ethnic, gender, disciplinary, institutional, and geographic diversity in the social sciences, and will prioritize applications from scholars who are underrepresented in these fields. Only tenure-track assistant professors, or associate professors who have been in the rank for less than seven years, and who have not previously received a research grant or a visiting fellowship from RSF are eligible to apply. Tenure-track assistant professors can apply for grants of up to $30K; associate professors are eligible for grants of up to $50K. Applicants to this round of the Pipeline Grants competition may not also apply to the November 10 “Core Programs” or “timely issues” competitions (see below). Recipients will be expected to present their findings at a capstone conference.

Princeton University Internal Funds – Office of Technology Licensing: Princeton IP Accelerator Fund – Up to $100K – Proposal Due: 11/5/21

Supports Princeton researchers working to transition their discoveries from the laboratory into commercial development

Awards gap funding to Princeton investigators with the goal of fostering and advancing the development of nascent technologies from University labs into commercial development and, ultimately, the global marketplace. Brief proposals may be submitted in engineering/software/physical science, or biomedical/healthcare/life science, and will be reviewed by a committee comprised of faculty and venture capitalists. NOTE: see document attached to this email for more information.

Simons Foundation – Simons Early Career Investigator in Marine Microbial Ecology and Evolution Awards – $666K – Letter of Intent Due: 11/5/21 (see NOTE below)

Funds research by early-career faculty in marine microbial ecology and evolution

These awards help launch the careers of outstanding early-career faculty in the field of marine microbial ecology and evolution; investigators must be currently active in research on microbial ecology and/or evolution. Applicants must have held a tenure-track position for at least one year and no more than eight years; check website for additional eligibility requirements. The three-year awards will begin April 1, 2022. NOTE: While the Letter of Intent is due from the applicant by 5 pm on November 5, two confidential Letters of Recommendation must be submitted no later than 5 pm EST on October 29. Invited proposals will be due by February 18, 2022.

Pershing Square Sohn Cancer Alliance – Pershing Square Sohn Prize for Young Investigators in Cancer Research – $600K – Letter of Intent Due: 11/8/21*

Supports innovative cancer research by early-career faculty at institutions in the greater New York City-area

Allows talented, creative, diverse early-career faculty members in the greater New York City-area to pursue three years of groundbreaking research at a stage when
traditional funding can be lacking. Recipients are also given access to a unique network of leaders in academia, business and venture capital, biotech and pharma industries, and philanthropy and are invited to participate in select programs. Innovative, high-risk, high-reward ideas that leverage a multidisciplinary approach are encouraged. *Letter of Intent is due no later than 5 pm on November 8; invited proposals will be due by January 28, 2022, and finalists will be invited to present their proposal at a board meeting on April 1, 2022. View

New Jersey Health Foundation – Grant Program – $25K-$35K – Application Due: 11/10/21

Funds early-stage research and community health-related projects led by faculty at certain New Jersey institutions

NJHF supports early-stage health-related research and community health-related projects through two funding programs. Research Grants fund early-stage research projects (up to $35K) that demonstrate exciting potential, with the objective of securing further funding from other sources to continue the research. Community Health, Social Service & Education Grants support health-related community, education, and social service projects (up to $25K) that address issues impacting society. Awardees will initially receive 80% of their award; the final 20% will be sent after NJHF approves their final report upon completion of the project. View

Spencer Foundation – Research-Practice Partnership (RPP) Grants Program – Up to $400K – Intent to Apply Due: 11/10/21 by 12 noon Central Time*

Supports collaborative education research projects that engage diverse forms of expertise and perspectives to improve education

Funds education research projects that engage in collaborative and participatory partnerships that will lead to new insights into the processes, practices, and policies that improve education for students, educators, schools, universities, families, and communities. This grant program is specifically intended to build the capacity of existing, fruitful partnerships between researchers and practitioners to make educational change. *An Intent to Apply form must be submitted no later than 12 noon Central Time on November 10; full proposals will be due by 12 noon Central Time on December 8, 2021. View

Russell Sage Foundation – Selected Core Programs – Up to $175K – Letter of Inquiry Due: 11/10/21 by 2 pm*

Supports research projects in various areas of the social sciences

Behavioral Economics: Supports novel research that uses insights and methods from psychology, economics, sociology, political science and other social sciences to examine and improve social and living conditions in the U.S., in order to broaden understanding of the social, economic and political consequences of actual behaviors and decisions. Priority will be given to field experiments. The Foundation is especially interested in research at the intersection of behavioral economics and behavioral sciences and its programs on the Future of Work; Race, Ethnicity and Immigration; and Social, Political and Economic Inequality.

Decision Making and Human Behavior in Context: Funds innovative research on decision making across the social sciences that examines causes, consequences, processes, or context from a behavioral or alternative perspective, to further understanding of decision making processes and human behavior in the contexts of work, race, ethnicity, immigration, and social inequality in the U.S.
**Future of Work:** Supports pioneering research on the causes and consequences of changes in the quality of jobs for less- and moderately-skilled workers and their families to broaden understanding of the role of changes in employer practices, the nature of the labor market, and public policies on employment, earnings, and job quality. Questions about the interplay of market and non-market forces in shaping the wellbeing of workers, today and in the future, are of particular interest.

**Social, Political and Economic Inequality:** Funds novel research on the factors that contribute to social, political and economic inequalities in the U.S., and the extent to which those inequalities affect social, psychological, political, and economic outcomes, including educational access, job opportunities, social mobility, civic participation and representation, and the transmission of advantage and disadvantage within and across generations.

*Letters of Inquiry are due no later than 2 pm on November 10; invited proposals will be due by 2 pm on March 9, 2022. Applicants to this round of the “Core Programs” competition may not also apply to the November 4 “Pipeline Grants” competition (see above).

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**Russell Sage Foundation – Selected Timely Issues – Up to $175K – Letter of Inquiry Due: 11/10/21 by 2 pm**

**Supports social science research on the Covid-19 pandemic and resulting recession, systemic racial inequality, and recent mass protests**

In addition to those regular Core Programs accepting LOIs at this time, RSF will also accept LOIs relevant to any of its core programs (Behavioral Economics; Decision Making and Human Behavior in Context; Future of Work; Race, Ethnicity, and Immigration; Social, Political, and Economic Inequality) that address at least one of the following issues:

**Research on the Covid-19 pandemic and the resulting recession in the U.S.** that assesses the social, political, economic, and psychological causes and consequences of the pandemic, especially its effects on marginalized individuals and groups and on trust in government and other institutions.

**Research focused on systemic racial inequality and/or the recent mass protests in the U.S.** that investigates the prevalence of racial disparities in policing and criminal justice and their social, political, economic, and psychological causes and consequences; the effects of the current social protest movement and mass mobilization against systemic discrimination; the nature of public attitudes and public policies regarding policing, criminal justice, and social welfare; and the effects of those attitudes in the current political environment.

*Letters of Inquiry are due no later than 2 pm on November 10; invited proposals will be due by 2 pm on March 9, 2022. Applicants to this round of the “timely issues” competition may not also apply to the November 4 “Pipeline Grants” competition (see above).

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**National Science Foundation #NSF 21-530 – Smart Health and Biomedical Research in the Era of Artificial Intelligence and Advanced Data Science – Up to $1.2M – Proposal Due: 11/10/21**

**Funds interdisciplinary, data-related research to address pressing questions in the biomedical and public health communities**

This collaboration between NSF and the NIH supports the development of transformative high-risk, high-reward advances in computer and information science,
engineering, mathematics, statistics, behavioral and/or cognitive research to address pressing questions in the biomedical and public health communities. Interdisciplinary teams will develop novel methods to intuitively and intelligently collect, sense, connect, analyze and interpret data from individuals, devices and systems to enable discovery and optimize health. The work must make fundamental scientific or engineering contributions to two or more disciplines. Projects will be funded for up to 4 years at up to $300K per year. View

Princeton University Internal Funds – Dean for Research: Eric and Wendy Schmidt Transformative Technology Fund – Amount Varies – Proposal Due: 11/12/21
Funds the invention, development, and utilization of cutting-edge technology with the capacity to transform research in the natural sciences and engineering
Supports the invention of entirely new technologies that will have a major impact on a field of research, or the development of equipment or an enabling technology that will transform research in a field. Princeton’s tenured faculty, tenure-track faculty, and research staff are eligible to apply. View

National Science Foundation #NSF 18-576 – Advanced Technologies and Instrumentation – Amount TBD – Proposal Due: 11/15/21
Supports research grants for development of new technologies and instrumentation for astronomy and astrophysics
Provides individual investigator and collaborative research grants for development of new technologies and instrumentation for astronomy and astrophysics. Supported categories include, but are not limited to, advanced technology development or concept feasibility studies and specialized instrumentation to enable new observations that are difficult or impossible to obtain with existing means. View

National Science Foundation #NSF 18-575 – Astronomy and Astrophysics Research Grants – Amount TBD – Proposal Due: 11/15/21
Funds individual and group research and development projects in astronomy and astrophysics
This inclusive and flexible program provides individual investigator and collaborative research grants for observational, theoretical, laboratory, and archival data studies in astronomy and astrophysics; it also considers proposals for projects and tools that enable or enhance astronomical research. Proposals may span multiple disciplines and/or areas of study and may utilize multiple techniques. View

National Science Foundation #NSF 21-593 – Division of Physics: Investigator-Initiated Research Projects – Amount TBD – Proposal Due: 11/15/21*
Provides funding for research in a wide range of physics disciplines, as well as for the development and encouragement of future scientists
Supports physics research and the preparation of future scientists in the nation’s colleges and universities across a broad range of physics disciplines. PIs are encouraged to consider including specific efforts to increase diversity of the physics community and broaden participation of underrepresented groups in STEM. *This
solicitation has annual deadlines in November and December that vary across programs; November 15 (Plasma Physics) is the earliest deadline. View

National Institutes of Health #PAR-21-061 – Exploratory Grant Award to Promote Workforce Diversity in Basic Cancer Research – Up to $275K – Application Due: 11/17/21* (see NOTE below)

Supports postdocs and early-career faculty from diverse backgrounds doing innovative research in basic cancer biology

Enhances the diversity of the pool of the cancer research workforce by recruiting and supporting eligible New Investigators and Early Stage Investigators from diverse backgrounds, including from groups that have been shown to be nationally underrepresented in the biomedical, behavioral, clinical and social sciences, who are interested in developing innovative studies in cancer biology. This initiative also provides a bridge to investigators who have completed their training and may need extra time and/or support to develop a larger research project grant application focused on basic cancer biology. The program will provide successful candidates with professional development workshop opportunities and mock review experiences to enhance knowledge and understanding of the NIH peer review system and to develop the skills required to prepare competitive research project grant applications to the NIH and other funding agencies. *NOTE: it is unclear if a Letter of Intent is due 30 days prior to the application due date; while this is listed at the beginning of the PAR document, there is no further mention of any LOI. View

National Science Foundation and Simons Foundation #NSF 21-607 – NSF-Simons Collaboration on a National Institute for Theory & Mathematics in Biology – $50M – Pre-Proposal Due: 12/1/21*

Establish collaborations among mathematicians, statisticians, computational scientists, and biologists to study complex biological systems

NSF and Simons will jointly fund a new research institute to enable innovative work at the intersection of mathematical and biological sciences with the goal of facilitating new developments of biology-inspired mathematical theories, methodologies, and innovative modeling approaches to advance the understanding of challenging biological problems and complex biological systems. The institute should also promote interdisciplinary education and workforce training between these two disciplines. Only one award will be made, with an award period of 5 years; there is a possibility for a 5-year renewal. *Mandatory pre-proposals are due by December 1; invited full proposals will be due around July 18, 2022. View

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

Previously Announced Funding Opportunities – August 12, 2021
Rutgers-Princeton Cancer Institute of New Jersey Consortium – Cancer Relevant Research Pilot Award Program: Humanities, Population Science and Health Policy – Up to $65K – Proposal Due: 9/15/21 by 11:59 am

Supports smaller projects to develop new approaches to the study, diagnosis, treatment or prevention of cancer

Supports behavioral, disparities, social, health policy and related sciences research on cancer focused or cancer relevant (e.g., obesity, tobacco use, physical activity, built environment) topics. Projects should be discrete, hypothesis-driven, and well-defined, and be realistically completed in a one-year period with limited levels of funding. Applicants must be full-time Princeton faculty; collaborations with Cancer Center Members are encouraged but not required. View

John S. and James L. Knight Foundation – Combatting Disinformation in Communities of Color – Up to $175K – Preliminary Proposal Due: 9/15/21*

Funds research leading to actionable insights to lessen the effects of targeted disinformation in communities of color

Supports research that can inform near-term interventions that mitigate the impacts of disinformation and targeted online manipulation of communities of color. A wide range of projects will be considered; ideas can include: Publication development, including special journal issues or volumes; Course relief to enable research; Research assistance; Targeted investigative reporting projects; Symposia, workshops or other convenings that advance practical, actionable insights; and Data or technology acquisition. *Preliminary proposals are due no later than September 15; invited full proposals will be due in October 2021 (exact date TBD). There will be an informational webinar on September 1 at 3 pm (register here). View

Facebook Research – Facebook Fellowship Program – Tuition + $42K Stipend* – Application Due: 9/20/21 by 11:59 pm PST

Encourages and supports promising doctoral students who are engaged in innovative research of interest to Facebook

Provides fellowships for full-time PhD students involved in ongoing research related to one or more relevant disciplines, and who are not already actively being funded by Facebook through some other sponsorship or collaboration, and/or not actively being supervised (or co-supervised) by a Facebook researcher. *The Fellowship amount includes four semesters of tuition and fees, a $42K annual stipend, a paid visit to Facebook headquarters for the annual Fellowship Summit, and opportunities to engage with Facebook researchers. View


Supports research addressing environmental problems associated with water quality and availability, and advancing clean and safe water reuse goals. Cost sharing required.

The EPA is seeking applications proposing to accelerate water innovation, information availability, and engagement to advance clean and safe water reuse goals, promote better understanding of the Nation’s water and wastewater treatment and
infrastructure, and enhance the availability and efficient use of water resources through water reuse. This request for applications (RFA) is intended to address multiple water reuse sources and applications to support national efforts to reduce technological and institutional barriers for expanded water reuse. The proposed research should be national in scope and address environmental problems associated with both water quality and availability. Applications may be submitted for projects that involve human subjects research. *Up to a total of $3,246,000 in federal funds, including direct and indirect costs, may be requested, with a maximum duration of 4 years. NOTE: COST SHARING IS REQUIRED; each applicant must contribute a minimum 25% non-federal cost share/match of the federal funds awarded which may include in-kind contributions. View


Provides funding for research on the multiple impacts of climate change on the health of marine ecosystems

Will support research projects seeking to understand the combined impacts of multiple stressors on the function and health of marine ecosystems within the context of climate change. This information will be used to improve place-based management of marine protected areas and enable the proactive protection of these critical ecosystems under future climate scenarios. One or two projects are expected to be supported for up to four years in duration, with an approximate annual budget for each project of up to $1M. *The mandatory Letter of Intent must be submitted by e-mail to nccos.grant.awards@noaa.gov no later than October 4; responses to LOIs should be expected by approximately October 18. Full applications are due January 18, 2022 by 11:59 pm. View

National Institutes of Health #PAR-21-254 – Investigator Initiated Research in Computational Genomics and Data Science (R01) – Up to $500K – Application Due: 10/5/21

Funds research in computational genomics, data science, statistics, and bioinformatics that is broadly applicable to human health and disease

Supports a broad range of research efforts in computational genomics, data science, statistics, and bioinformatics relevant to one or both of basic or clinical genomic science, and broadly applicable to human health and disease. This FOA funds fundamental genomics research that develops innovative analytical methodologies and approaches, early-stage development of tools and software, and refinement or hardening of software and tools of high value to the biomedical genomics community. Projects should be enabling for genomics and be generalizable or broadly applicable across diseases and biological systems. The maximum award period for these R01 Research Projects is 5 years. For shorter (Exploratory/Developmental) projects, see Companion Funding Opportunity #PAR-21-255 below (due October 16, 2021). View

Simons Foundation – Mathematics and Physical Sciences Division: Simons Symposia – See Below* – Application Due: 10/5/21

Convenes mathematicians, theoretical physicists, and theoretical computer scientists to collaborate on significant and timely topics
Brings together mathematicians, theoretical physicists, and theoretical computer scientists to interact and collaborate in a series of three symposia, held every two years and focusing on one topic or a tightly connected group of topics. Each symposium, held over five days, may have up to 23 participants. *A symposium series is initially approved for one year and renewed for up to two more meetings if successful. All expenses, including travel, lodging and meals for participants, will be covered by the Foundation, and support will be provided at the conference site. View

National Science Foundation #PD 20-1264 – Algebra and Number Theory Program – TBD* – Proposal Due: 10/8/21
Funds research in algebra, algebraic and arithmetic geometry, number theory, and representation theory
The Algebra and Number Theory program supports research in algebra, algebraic and arithmetic geometry, number theory, and representation theory. NSF’s Division of Mathematical Sciences will hold virtual office hours on August 19 from 3:30-4:30 pm that will include a brief introduction to this program; register here. *Award range is not listed; recent awards ranged from approximately $123K–$263K. Conferences, workshops, summer/winter schools, and similar activities are funded through a separate RFP (#21-541). View

National Science Foundation #NSF 21-528 – Campus Cyberinfrastructure – Amount Varies by Program Area – Proposal Due: 10/11/21
Invests in coordinated campus-level networking and cyberinfrastructure improvements for science applications and research projects
The Campus Cyberinfrastructure (CC*) program invests in coordinated campus-level networking and cyberinfrastructure improvements, innovation, integration, and engineering for science applications and distributed research projects. Learning and workforce development (LWD) in cyberinfrastructure is explicitly addressed in the program. Science-driven requirements are the primary motivation for any proposed activity. Proposals will be evaluated on the strength of the science enabled (including research and education) as drivers for investment and innovation in data networking infrastructure, innovation, and engineering. Proposals should reflect and demonstrate the partnership across campus between the campus Information Technology/networking/data organization, contributing domain scientists, research groups, and educators. Each program area will support awards pursuant to the following budget and duration:
1. Data-Driven Networking Infrastructure for the Campus and Researcher awards: up to $500K total for up to 2 years;
2. Regional Connectivity for Small Institutions of Higher Education awards: up to $1M total for up to 2 years;
3. Network Integration and Applied Innovation awards: up to $1M total for up to 2 years (in some cases these awards are limited to $500K total);
4. Campus Computing and the Computing Continuum awards: up to $400K total for up to 2 years; and
5. Planning Grants and CI-Research Alignment awards: up to $200K total for up to two years (in some cases, these awards are limited to $100K total). View

National Institutes of Health #PAR-21-128 – NCI Transition Career Development Award – $150K to $450K – Application Due: 10/12/21
Supports postdocs transitioning to tenure-track faculty positions in cancer
The National Cancer Institute Transition Career Development Award supports postdoctoral investigators in transitioning to their first independent tenure-track faculty cancer research positions, with an enhanced probability of success for obtaining independent NIH or other research project grant support. Candidates who have had 2 to 8 years of postdoctoral cancer research training may apply, and if successful, must obtain tenure-track faculty, or equivalent, positions before awards will be issued. Salary (up to $100K per year) and research support ($50K per year) is provided for up to 3 years to allow the investigator to work towards establishing their own independent cancer research program and to prepare an application for cancer research grant support. Applications are due by October 12, 2021, February 12, 2022, or June 12, 2022. View

University of Pittsburgh School of Medicine – Dickson Prize in Medicine – $50K* – Nomination Due: 10/15/21
Honors scientists actively engaged in innovative, paradigm-shifting biomedical research that is worthy of significant and broad attention
The school’s highest honor is awarded annually to an American biomedical researcher who has made significant, progressive contributions to medicine, and who is at an especially productive point in their career. *Winners, who must be U.S. citizens, receive a medal, a $50K honorarium, and travel expenses to Pitt to accept the award and present the keynote lecture during the University’s annual campus-wide showcase of scientific research. View

Clay Mathematics Institute – Clay Research Fellowships – TBD* – Nomination Due: 10/15/21
Provides postdoctoral fellowships in recognition of exceptional mathematics research and leadership potential
Fellows are selected for their research achievements and their potential to become leaders in research mathematics. All are recent PhD recipients, and most are selected as they complete their thesis work. Each Fellowship will normally last until the holder is five years beyond the award of their doctoral degree. Fellows are employed by the Clay Mathematics Institute, but may hold their fellowships anywhere in the world, subject to local immigration and employment constraints. *The fellowships provide generous salary and research expenses. View

Princeton University Internal Funds – Data-Driven Social Science Initiative (DDSS): Large-Scale Grants – Over $5K – Application Due: 10/15/21*
Fund projects at the forefront of quantitative social science research
DDSS’s mission is to promote innovation in quantitative and computational social science. Priority is given to projects that encourage collaboration across and within social science disciplines and fields; advance the use of new research methods, computational analysis, challenging data sets, and other innovations in social science research; impact the larger social science community and beyond; and demonstrate the need for additional computing infrastructure for social science research at Princeton. Applications are welcomed from all fields in social science.

Initial applications for Large-Scale Grants of over $5K are reviewed twice yearly (usually April and October). Successful proposals will contribute to Princeton’s infrastructure in quantitative and computational social science, forge multidisciplinary ties, and hold contemporary relevance. Submissions from teams representing multiple
Princeton departments are encouraged. The next due date for applications will be in October 2021; however, the exact day has not been posted yet.

**Small Scale Grants** of up to $5K are awarded for the development of new project ideas, working groups, data sets, data management/wrangling for existing projects, research infrastructure, and seminars/conferences. Applications are reviewed monthly during the fall and spring semesters.

**National Institutes of Health #PAR-21-255 – Investigator Initiated Research in Computational Genomics and Data Science (R21) – Up to $275K – Application Due: 10/16/21**

Funds research in computational genomics, data science, statistics, and bioinformatics that is broadly applicable to human health and disease

Invites applications for a broad range of research efforts in computational genomics, data science, statistics, and bioinformatics relevant to one or both of basic or clinical genomic science, and broadly applicable to human health and disease. This FOA supports fundamental genomics research that develops innovative analytical methodologies and approaches, early-stage development of tools and software, and refinement or hardening of software and tools of high value to the biomedical genomics community. Projects should be enabling for genomics and be generalizable or broadly applicable across diseases and biological systems. The maximum project period for these R21 (Exploratory/Developmental) grants is 2 years. For longer projects, see Companion Funding Opportunity #PAR-21-254 above (due October 5, 2021). View

**National Science Foundation #NSF 21-600 – Division of Materials Research: Topical Materials Research Programs – Amount Varies – Proposal Due: 10/16/21**

Provides support for research in many areas of materials science

Research supported by the Division of Materials Research (DMR) focuses on advancing the fundamental understanding of materials, materials discovery, design, synthesis, characterization, properties, and materials-related phenomena. This solicitation applies to the following DMR Topical Materials Research Programs: Biomaterials (BMAT); Ceramics (CER); Condensed Matter Physics (CMP); Electronic and Photonic Materials (EPM); Metals and Metallic Nanostructures (MMN); Polymers (POL); and Solid State and Materials Chemistry (SSMC). Average award sizes vary greatly among Programs. *Proposals are accepted any time after October 15, 2021; however, some Topical Materials Research Programs have specific dates around which submission of proposals in given topical areas is suggested. View

**National Science Foundation #NSF 20-612 – Research on Emerging Technologies for Teaching and Learning (RETTL) – Up to $850K – Proposal Due: 10/18/21**

Supports transformative research in emerging technologies for teaching and learning

The RETTL program funds exploratory and synergistic research in emerging technologies (to include, but not limited to, artificial intelligence (AI), robotics, and immersive or augmenting technologies) for teaching and learning in the future. The goal is to support transformative research on advanced technologies for teaching and learning to educate a new generation of students, teachers, educators, and mentors to
excel in highly technological and collaborative environments of the future. The program accepts proposals that focus on learning, teaching, or a combination of both. The program’s scope is broad, with special interest in diverse learner/educator populations, contexts, and content, including teaching and learning in science, technology, engineering, and mathematics (STEM) and in foundational areas that enable STEM (e.g., self-regulation, literacy, communication, collaboration, creativity, and socio-emotional skills). Maximum project length is 3 years. View

U.S. Economic Development Administration #EDA-HDQ-ARPBBB-2021-2006976 – American Rescue Plan Act Build Back Better Regional Challenge – Up to $500K – Phase 1 Concept Proposal Due: 10/19/21*

Assists regional coalitions in efforts to strengthen regional economies through transformational, resilient economic development projects

Funds transformation of regional economies through a collection of complementary, aligned construction and non-construction projects organized under a singular vision and designed to grow new industries and scale existing ones. The Challenge is designed as a two-phase competition to (1) help regions develop transformational economic development strategies and (2) fund the implementation of those strategies that will create and grow regional growth clusters. Such efforts will help regional economies recover from the pandemic and build economic diversity and resiliency to mitigate impacts of future economic disasters as well as benefit regional workforces and residents through creation of high-quality jobs, increased wages, and revitalized communities. Interested regions should form regional coalitions, in coordination with private sector partners and other partners, that share a common vision for how significant investment from EDA could catalyze wage growth, increased economic growth, the creation of a new industry, and/or the scaling or growth of existing industries in their region. The identified projects should foster economic growth and competitiveness through job creation, capacity building, and attracting private investment. A strong regional growth cluster will need to have a robust strategy for each of four key elements: Regional Assets; Industry Leadership; Sustainability; and Equity. In Phase 1, EDA will provide technical assistance grants of up to $500K to approximately 50-60 coalitions (through a lead institution); these grants will be used to prepare more detailed applications for transformational projects that benefit their respective geographic regions and are aligned around a holistic approach to building and scaling a strategic industry. In Phase 2, EDA will award each of the 20-30 finalist coalitions $25-75M (and potentially up to $100M) to fund the collection of projects they identified, which will be funded through grants to coalition members. *The deadline for Phase 1 Concept Proposals is October 19; for Phase 1 finalists selected to proceed to Phase 2, the deadline for Full Applications is March 15, 2022. View

Princeton University Internal Funds – Humanities Council: Visiting Fellowships – Amount Varies – Application Due: 10/25/21

Funds short-term and long-term visiting faculty fellows in the humanities

Long-Term Visiting Fellows: distinguished writers, artists and scholars spend a semester visiting at Princeton, teaching or co-teaching one course. Nominations are invited from chairs of humanities departments and may be made jointly with interdisciplinary programs and committees under the Council’s umbrella.

Short-Term Visiting Fellows: distinguished scholars in the humanities lecture and participate in classes, colloquia and informal discussions during intensive three- to five-day visits. Nominations are invited from chairs of humanities departments. View
**Getty Foundation/American Council of Learned Societies – Postdoctoral Fellowships in the History of Art – $65K* – Application Due: 10/27/21**

*Supports outstanding postdoctoral scholars in the history of art*

Provides early-career scholars with time to undertake research and/or writing for projects that will make substantial and original contributions to the understanding of art and its history. The ultimate goal of the project should be a major piece of scholarly work by the applicant. Scholars who are citizens of countries other than the U.S. are especially encouraged to apply, as are scholars who have experience studying, teaching, and/or conducting art historical research in non-US contexts. Applicants must have a PhD that was conferred between September 1, 2016 and December 31, 2020. *The Fellowship award includes a $60K stipend, $5K for research and travel expenses, and a special one-week residency at the Getty Research Institute in Los Angeles following the fellowship period.* View

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**Princeton University Internal Funds – University Center for Human Values: Laurance S. Rockefeller Visiting Faculty Fellowships – TBD* – Application Due: 11/1/21**

*Brings scholars from any discipline to campus for full-time research and writing on topics involving human values*

Fellows devote an academic year in residence at Princeton to research and writing about topics involving human values in public and private life. This full-time visiting program is open to scholars in all disciplines provided their research plans qualify. Candidates must have a doctorate or equivalent professional degree and a strong record of research publications appropriate to their career stage. Typically, Fellows hold faculty positions at other universities or colleges; in exceptional cases applications are considered from independent scholars with a high level of scholarly achievement. *Fellows normally receive stipends of up to one-half their academic-year salaries.* View

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**Princeton University Internal Funds – Mpala Research Fund – $5K to $75K* – Due Date Pending**

*Supports research and teaching in all disciplines at the Mpala Research Centre in Kenya*

Princeton serves as the managing partner for the Mpala Research Centre, a multidisciplinary field-research station in Kenya. The center provides scholars with unparalleled opportunities to conduct research on conservation, sustainable human-wildlife co-existence and semi-arid ecosystems in Africa and, increasingly, on climate change, the environment, and public health. In addition to the Natural Sciences, the site provides unique opportunities for faculty in the Humanities, Social Sciences and Engineering. The Mpala Research Fund aims to support all regular faculty members, research scholars, full-time lecturers, and language lecturers from all disciplines who are interested in exploring or pursuing research opportunities and/or teaching initiatives at Mpala. *Applications from faculty with interests in expanding the use of Mpala to fields in the humanities, social sciences, and engineering are especially encouraged. Administrative staff and administrative units involved in or proposing service or experiential learning initiatives are also eligible to apply. As a first step, please email Aly Kassam-Remtulla, Associate Provost for International Affairs and Operations, at akassam@princeton.edu for more information and to indicate interest.* *Funding ranges from $5K–$75K per year for up to two years.* View
Do you know of an upcoming funding opportunity that should be shared with your Princeton colleagues? Please email it to res_fund@princeton.edu at least four weeks prior to the application due date, and we’ll include it in an upcoming Funding Announcement and/or add it to the Princeton Research Funding Gateway. Thank you!

Best regards,
Coleen Burrus
Director