

## INSIDE RESEARCH & Funding Opportunities

News, Events and Resources for the WSU Research Community

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### DECEMBER 2020

Congratulations to those who received grants in November! Please help the WSU community stay informed by forwarding any notices of funding opportunities and/or training sessions to [research@wichita.edu](mailto:research@wichita.edu) for inclusion in the next newsletter. We in the Office of Research wish all of you a restful break and Happy Holidays. Good luck in your research efforts over the next month and year.

Coleen Pugh, AVP for Research

### AWARDS

#### **MSA and Value of Transmission Lines and for fair, effective, and reliable operation**

PI/Department: Visvakumar Aravinthan, Electrical & Computer Engr

Sponsor: Sunflower Electric Power Corporation

Amount: \$60,000

#### **Multiphase Capillary Flow Behaviors of Oil and Water through Superhydrophobic and Superoleophobic Multifunctional Porous Membranes for Effective Separation**

PI/Department: Eylem Asmatulu, Mechanical Engineering

Sponsor: American Chemical Society, Petroleum Research Fund

Amount: \$110,000

### **Smart Management for Small Water Systems- Amendment 2**

PI/Department: Tonya Bronleewe, Hws of Urban & Public Affairs

Sponsor: University of North Carolina at Chapel Hill / Environmental Protection Agency

Amount: \$123,536

### **American Job Center and WIOA Performance Evaluation Services**

PI/Department: Misty Bruckner, Public Policy & Management Center

Sponsor: City of Lincoln

Amount: \$25,300

### **Kansas Museums Association Proposal for Services 2021- 2024**

PI/Department: Misty Bruckner, Public Policy & Management Center

Sponsor: Kansas Museums Association

Amount: \$28,350

### **Starch Analysis Keith Phase**

PI/Department: Crystal Dozier, Anthropology

Sponsor: Kansas Historical Society

Amount: \$ 334

### **Keith Phase Residue 2020**

PI/Department: Crystal Dozier, Anthropology

Sponsor: Robert J Hoard

Amount: \$ 370

### **Phase 1 SOS**

PI/Department: Debra Franklin, Strategic Initiatives

Sponsor: Martin Defense Group / Office of Naval Research

Amount: \$265,730

### **FMSG: Electrochemical Upcycling of Waste Nitrates for Eco-Manufacturing of Nitrogen-Based Chemicals**

PI/Department: Shuang Gu, Mechanical Engineering

Sponsor: Iowa State University / Natl Science Foundation

Amount: \$140,000

### **2020 CAE CySP Wichita State University**

PI/Department: Joseph Jabara, Engineering Technology

Sponsor: Natl Security Agency / Department of Defense

Amount: \$450,763

### **Mock Trial - Agevshi**

PI/Department: Jeffrey Jarman, The Research Partnership

Co-PI/Department: Lisa Parcell, The Research Partnership

Sponsor: Tsongas

Amount: \$5,000

### **Mock Trial - Burvala**

PI/Department: Jeffrey Jarman, The Research Partnership

Co-PI/Department: Lisa Parcell, The Research Partnership

Sponsor: Tsongas

Amount: \$4,500

### **III: Medium: Collaborative Research: Multi-level Computational Approaches to Protein Function Prediction**

PI/Department: Dukka KC, Electrical & Computer Engr

Sponsor: Natl Science Foundation

Amount: \$38,416

## **TRIO Student Support Services Program**

PI/Department: Linda Rhone, Ed-Student Support Services

Sponsor: Department of Education-US

Amount: \$494,929

## **Modeling for Affordable, Sustainable Composites (MASC) – Mod 05**

PI/Department: John Tomblin, Nat'l Institute for Aviation Res

Co-PI/Department: Waruna Seneviratne, NIAR-Composites & Structures

Sponsor: Air Force Research Laboratory

Amount: \$13,250,000

## **Modeling for Affordable, Sustainable Composites (MASC) - Mod 06**

PI/Department: John Tomblin, Nat'l Institute for Aviation Res

Co-PI/Department: Waruna Seneviratne, NIAR-Composites & Structures

Sponsor: Air Force Research Laboratory

Amount: \$525,400

## **Wichita Coalition for Child Abuse Prevention Renewal 2**

PI/Department: Scott Wituk, Community Engagement Institute

Sponsor: Department for Children and Families / Dept of Health and Human Services

Amount: \$19,000

**Agreement for Supporting the Maternal Mortality Review Committee (MMRC)**

PI/Department: Scott Wituk, Community Engagement Institute

Sponsor: Dept of Health & Environment-Kansas / Centers for Disease Control

Amount: \$31,795

**Agreement for Coordinating the Kansas Perinatal Quality Collaborative (KPQC)**

PI/Department: Scott Wituk, Community Engagement Institute

Sponsor: Dept of Health & Environment-Kansas / Dept of Health and Human Services

Amount: \$100,014

**Syndromic Surveillance - ESSENCE Training and User Manual Development**

PI/Department: Scott Wituk, Community Engagement Institute

Sponsor: Dept of Health & Environment-Kansas / Centers for Disease Control

Amount: \$50,000

## **FUNDING OPPORTUNITIES**

### **Focused Funding Opportunities**

For access to [WSU's Pivot](#) account to search for funding opportunities, please sign up and affiliate with Wichita State University using your WSU email address. To request assistance with a customized searching please contact [funding@wichita.edu](mailto:funding@wichita.edu). If any of the following opportunities are of interest to you, please email [proposals@wichita.edu](mailto:proposals@wichita.edu) as soon as possible so that a grant specialist may be assigned to assist.

### **\*\*\*LIMITED\*\*\* Funding Agency: National Science Foundation**

Title: [EPSCoR Research Infrastructure Improvement Program: Track-2 Focused EPSCoR Collaborations \(RII Track-2 FEC\)](#)

Application Deadline: Letter of Intent due Friday, December 18, 2020; WSU is limited to being the lead applicant on one proposal.\*\*\*LIMITED\*\*\*

Purpose: "RII Track-2 FEC builds interjurisdictional collaborative teams of EPSCoR investigators in scientific focus areas consistent with NSF priorities. Projects are investigator-driven and must include researchers from at least two EPSCoR eligible jurisdictions with complementary expertise and resources necessary to address challenges, which neither party could address as well or rapidly independently. The Science, Technology, Engineering, and Mathematics (STEM) research and education activities should seek to broaden participation through the strategic inclusion and integration of diverse individuals, institutions, and sectors throughout the project. Proposals must describe a comprehensive and integrated vision to drive discovery and build sustainable STEM capacity that exemplifies diversity of all types (individual, institutional, geographic, and disciplinary). The development of diverse early-career faculty is a critical component of this

sustainable STEM capacity. For FY 2021, RII Track-2 FEC proposals are invited on a single topic: “Advancing research towards Industries of the Future to ensure economic growth for EPSCoR jurisdictions.

Amount: \$1 - 1.5million (depending on number of participating EPSCoR jurisdictions)

**Funding Agency: Midwest Biomedical Accelerator Consortium**

Title: [MBArc Grant Application Process](#)

Application Deadline: LOI due Monday, December 21, 2020

Purpose: “MBArc funds translational research projects that have the potential to improve patient and health care. Awards of up to \$200,000 for a year are used for product definition studies (e.g. feasibility studies, prototype development, proof-of-concept studies) comprised of critical go/no-go milestones.”

Amount: \$100,000 for one year; 1:1 cost match is also required.

**Funding Agency: Mars / American Heritage Chocolate**

Title: [Forrest E. Mars, Jr. Chocolate History Research Grant](#)

Application Deadline: December 26, 2020

Purpose: “Launched in 2013, the Forrest E. Mars, Jr. Chocolate History Research Grant, named after the company’s owner and advocate of the history of the Americas, has a special emphasis on uncovering and sharing chocolate’s role in global history as well as its influence on heritage and culture. Grant funds will be awarded for project(s) that investigate and/or educate the public on the history of chocolate and/or the chocolate making process from a cultural, historic and/or



scientific perspective(s). The scholarship process is competitive, and the awards will be made based on merit as judged by a panel of experts. Educational impact will be at the forefront of this decision process.”

Amount: \$50,000

**Funding Agency: Kansas NASA EPSCoR Program**

Title: [KNEP 2020 Request for Pre-Proposals to NASA EPSCoR 2021 Rapid Response Research \(R3\) Cooperative agreement Notice \(CAN\)](#)

Application Deadline: Pre-Proposals due noon January 5, 2021

Purpose: The Kansas NASA EPSCoR Program (KNEP) is seeking proposals for a unique NASA Office of STEM Engagement (OSTEM) opportunity entitled the Rapid Response Research (R3) Cooperative Agreement Notice (CAN). The R3’s purpose is to provide a streamlined method to address research issues important to the mission directorates. Proposals must address topics identified by the involved NASA divisions (see Appendices A-I of the NASA Announcement). Kansas can only submit one NASA proposal per technical area.

Amount: \$100,000

**Funding Agency: National Academies of Sciences, Engineering, Medicine**

Title: [Early Career Research Fellowship](#)

Application Deadline: January 13, 2021 for Human Health & Community Resilience Track

Purpose: “The Gulf Research Program’s Early-Career Research Fellowship supports emerging scientific leaders as they take risks on research ideas not yet tested, pursue unique collaborations, and build a network of colleagues who share their interest in improving offshore energy system safety and the well-being of coastal communities and ecosystems. Because the early years of a researcher’s career are a critical time, the relatively unrestricted funds and mentoring this fellowship provides help recipients navigate this period with independence, flexibility, and a built-in support network.” “The Early Career Research Fellowship’s Human Health and Community Resilience track aligns with one of Gulf Research Program’s five program areas, and narrows the focus of the fellowship to support the most relevant research to the goals and objectives of the Board on Gulf Health and Resilience. For the 2021-2023 Application Cycle, the Human Health and Community Resilience track goal focuses on contributing to the advancement of health equity in the Gulf of Mexico region or Alaska by considering the social determinants of health.” Note, future tracks will include Environmental Protection & Stewardship and Offshore Energy Safety.

Amount: \$76,000 for two years

**Funding Agency: William T. Grant Foundation**

Title: [Research Grants on Improving the Use of Research Evidence](#)

Application Deadline: Letters of Inquiry due January 13, 2021 by 2pm Central

Purpose: “The Foundation’s mission is to support research to improve the lives of young people ages 5-25 in the United States. One way that we pursue this mission is by investing in high-quality field-initiated studies on improving the use of research evidence in ways that benefit youth.”

Amount: \$100,000-\$1,000,000

**Funding Agency: Johnson & Johnson Innovation | JLABS**

Title: [Johnson & Johnson Nurses Innovate QuickFire Challenge: Mental Health](#)

Application Deadline: January 15, 2021

Purpose: “We invite nurses and nursing students worldwide to submit their nurse-led novel concepts, education programs, protocols, prevention or treatment approaches, screening tools, and consumer product ideas with the power to potentially transform mental health care and well-being for their fellow healthcare professionals or the patients they serve amid the current pandemic environment and beyond.

Ideas may include potential solutions for practice in any setting, including inpatient, outpatient, education, private practice, community, military and VA settings and can address health and wellness promotion, prevention of mental health conditions, and care & treatment considerations for persons with psychiatric and/or substance use disorders.”

Amount: \$100,00

**Funding Agency: [Konza Prairie](#), part of NSF Long-Term Ecological Research Network (LTER)**

Title: Supplemental Requests for Research Experiences for Teachers

Application Deadline: January 18, 2021

Purpose: “The NSF LTER program is committed to catalyzing enhancement of diversity in the community of scientists and educators participating in LTER activities. To that end, we are pleased to solicit supplemental requests for Research Opportunity Awards (ROA), Research Experience for Undergraduates (REU) and Research Experiences for Teachers (RET). Requests that provide research opportunities for members of groups underrepresented in the sciences, including minorities and persons with disabilities (visible or non-visible), veterans, faculty (especially women) at Minority Serving Institutions or Community Colleges, and teachers from schools located in under-served communities, will be prioritized. For purposes of these supplements, first-generation college students are not considered an underrepresented group.

The LTER program recognizes the value of a deep and lasting interaction between LTER scientists and K-12 teachers for the professional development of the teacher, and the creation and implementation of effective curricula to enhance STEM training for their students. To facilitate the success of this interaction, the LTER program will consider RET requests to support a pair of teachers for two summers and the school year in between. Requests for support for teachers from underrepresented groups or from schools located in under-served communities will be prioritized. Budgets should include stipends for teachers and financial support for the implementation of classroom activities or field trips that emerge from the teachers’ research experiences. Funds for LTER personnel are not allowed. RET proposals should clearly describe how teachers and LTER personnel (which may include graduate students and postdoctoral researchers) will collaborate on research projects and curriculum development during summers and the intervening school year.”

Amount: Varies by program activity; interested WSU researchers should reach out to a Kansas State University Konza Prairie researcher to learn more about the opportunities and how to collaborate. For more information, please reach out to: Dr. Lydia Zeglin, [lzeglin@ksu.edu](mailto:lzeglin@ksu.edu) at Kansas State University.

**Funding Agency: Health Resources and Services Administration (HRSA)**

Title: [Nursing Workforce Diversity Program](#)

Application Deadline: January 19, 2021

Purpose: "The Health Resources and Services Administration (HRSA) is accepting applications for the fiscal year (FY) 2021 Nursing Workforce Diversity (NWD) Program. The purpose of this program is to assist students from disadvantaged backgrounds (including ethnic and racial minorities underrepresented among registered nurses) throughout the educational pipeline in becoming registered nurses. This purpose is accomplished by supporting diploma or associate degree registered nurses as they become baccalaureate-prepared registered nurses, and preparing practicing registered nurses for advanced nursing education."

Amount: Up to \$555,000 per year

**Funding Agency: Simons Foundation**

Title: [Collaboration Grants for Mathematicians](#)

Application Deadline: January 28, 2021

Purpose: "The Simons Foundation's Mathematics and Physical Sciences division invites applications for Collaboration Grants for Mathematicians to stimulate collaboration in the field primarily through the funding of travel and related expenditures. The goal of the program is to substantially increase collaborative contacts between accomplished, active mathematicians in the United States who do not otherwise have access to funding that could provide support for travel and visitors."

Amount: Each collaboration grant provides \$8,400 per year for up to five years: \$6,000 per year for collaboration, travel and research funds for the awardee; \$1,000 per year in discretionary funds for the awardee's department to enhance the research atmosphere of the department; and 20 percent (\$1,400) per year in indirect costs. The five-year grant will commence September 1, 2021.

**Funding Agency: American Psychological Foundation**

Title: [Diane J. Willis Early Career Award](#)

Application Deadline: January 31, 2021

Purpose: "The APF Div. 37 Diane J. Willis Early Career Award: Advances public understanding of mental health and improve the well-being of children and families through policy and service. Encourages promising early career psychologists to continue work in this area. Applicants must: Be psychologists with an EdD, PsyD or PhD from an accredited university and be no more than 10 years postdoctoral."

Amount: \$2,000

**Funding Agency: K-INBRE**

Title: [Core Facility Support](#)

Application Deadline: February 1, 2021 by 5:00pm

Purpose: The purpose of K-INBRE research support is to further the ability of Kansas researchers to compete successfully for NIH funds. Within our scientific research theme of Cell and Developmental Biology, focus areas include reproductive and embryonic development, organogenesis, developmental neuroscience, and cellular and developmental pathologies. Core Facility Awards provide funds to

institutional core facilities that support the research focus of the K-INBRE Cell and Developmental Biology. Proposals are limited to one year of funding and may be used to support maintenance agreements or equipment purchases. Matching funds are not required but will strengthen the application and provide evidence of departmental and institutional support.

Amount: \$10,000 maximum in direct costs

**Funding Agency: K-INBRE**

Title: [Recruitment/Start-Up Package](#)

Application Deadline: February 1, 2021 by 5:00pm

Purpose: The purpose of K-INBRE research support is to further the ability of Kansas researchers to compete successfully for NIH funds. Within our scientific research theme of Cell and Developmental Biology, focus areas include reproductive and embryonic development, organogenesis, developmental neuroscience, and cellular and developmental pathologies. Recruitment/Start-Up packages are for the purpose of assisting in the process of bringing in new faculty to K-INBRE Undergraduate Partnership Institutions (includes WSU) and helping in the establishment of their research laboratories. See application instructions for specific eligibility requirements/limitations.

Amount: \$25,000 maximum in direct costs

**Funding Agency: Motorola Solutions Foundation**

Title: [2021 Grant Program](#)

Application Deadline: February 1, 2021 Required Inquiry Form due

Purpose: “Our grant program has three primary areas of focus:  
•Technology and engineering education: Engaging students in innovative, hands-on activities, such as coding, programming, computer science and robotics to prepare the next generation of innovators. •Public safety education: Providing resources to first responders and the communities they serve and supporting fallen first responders’ families; Investing in key policing initiatives – specifically, preparing youth for public safety careers, conducting school safety training, supporting mental wellness and providing leadership training for women and people of color. •Blended programs: Programs that combine both technology and engineering education and public safety education.”

Amount: \$50,000

### **Funding Agency: National Science Foundation**

Title: [Science of Organizations \(SoO\)](#)

Application Deadline: February 2, 2021

Purpose: “Organizations -- private and public, established and entrepreneurial, designed and emergent, formal and informal, profit and nonprofit -- are critical to the well-being of nations and their citizens. They are of crucial importance for producing goods and services, creating value, providing jobs, and achieving social goals. The Science of Organizations (SoO) program funds basic research that yields a scientific evidence base for improving the design and emergence, development and deployment, and management and ultimate effectiveness of organizations of all kinds.

SoO funds research that advances our fundamental understanding of how organizations develop, form and operate. Successful SoO research proposals use scientific methods to develop and refine theories, to empirically test theories and frameworks, and to develop new



measures and methods. Funded research is aimed at yielding generalizable insights that are of value to the business practitioner, policy-maker and research communities.”

Amount: Standard NSF Grant

## **Funding Agency: Global Warming Mitigation Project**

Title: [The Keeling Curve Prize](#)

Application Deadline: February 10, 2021

Purpose: “Each year, we locate and fund the best climate solutions the world has to offer. To that end, our team is looking for projects with a proven track record of taking greenhouse gases out of the atmosphere. We’ve developed five categories, each one addressing a specific sector of climate innovation. Capture & Utilization: Projects in this category are advancing technological and nature-based strategies for capturing and/or utilizing heat-trapping gases from the air or oceans. Energy: Projects in this category decarbonize energy, support zero-carbon energy innovations, and lead the way in improving the supply, distribution, and access of low or zero-emissions energy systems worldwide. Finance: Projects in this category are making financial mechanisms and economics work for greenhouse gas reduction and/or reversal ventures. Social & Cultural Pathways: Projects in this category are changing the way people consider, understand, and act concerning human impacts on planet Earth. They are trying to answer the question: what does it take, socially and culturally, to develop beyond fossil fuels? Transport & Mobility: Projects that apply in this category are reimagining and reinventing all types of vehicles, fuels, and mobility options for both people and products. These projects will confront the carbon footprint of the vehicles themselves and the routes traveled.”

Amount: \$25,000

## **Funding Agency: Chan Zuckerberg Initiative**

Title: [Visual Proteomics Imaging](#)

Application Deadline: February 17, 2021

Purpose: “The Chan Zuckerberg Initiative (CZI) seeks to support 2.5-year challenge grants in the field of visual proteomics. The ability to view protein molecules in cells and monitor changes in their structure, quantity, distribution, and interactions is key to understanding what causes diseases and finding treatments and cures. This grant program will advance technology development for the field of visual proteomics and aim to obtain near-atomic resolution readouts inside the cell. The funding mechanism will be targeted investments in the form of challenge grants with specified proof-of-concept milestones.”

Amount: “Because hardware, software, and protocol development projects that may be supported by this RFA likely require different resourcing levels, a budget limit has not been set on a per project basis. Proposed budgets should reflect the project scope.”

## **Funding Agency: US Department of Defense (Army, Navy, Air Force, Defense Health Agency)**

Title: [Broad Agency Announcements for SBIR/STTR](#)

Application Deadline: February 18, 2021 – NOTE, only Small Businesses may apply

Purpose: The US Department of Defense releases Broad Agency Announcements (BAA) for the SBIR / STTR program three times a year. The most recent BAA opened for pre-release on December 8, 2020. Only Small Businesses are eligible to apply. WSU researchers

may wish to review the list of topics issued by each of the Department of Defense departments here: <https://www.dodsbirsttr.mil/topics-app/>.

Amount: STTR/SBIR funding limits apply

### **Funding Agency: National Institute of Justice**

Title: [Research and Evaluation on Promising Reentry Initiatives, Fiscal Year 2021](#)

Application Deadline: February 25, 2021

Purpose: “With this solicitation, NIJ requests proposals for rigorous research and evaluation projects to examine reentry initiatives that incorporate promising practices, strategies, or programs. NIJ is interested in supporting multi-site, randomized controlled trial (RCT) evaluations of innovative reentry initiatives that: 1) Are specifically designed to address violent, habitual recidivism, 2) Are initiated during an individual’s incarceration and continue in the community and 3) Address multiple criminogenic needs that can be assessed incrementally.”

Amount: \$1,200,000 over five years

### **Funding Agency: National Institute of Justice**

Title: [Research on Juvenile Justice Topics, Fiscal Year 2021](#)

Application Deadline: February 25, 2021

Purpose: “With this solicitation, NIJ, in collaboration with the Office of Juvenile Justice and Delinquency Prevention (OJJDP), seeks proposals for rigorous research projects that inform policy and practice in the field of juvenile justice. Specifically, this solicitation seeks proposals for

studies that advance knowledge and understanding in one of the following two priority topic areas: (1) juvenile justice responses to the COVID-19 pandemic or (2) deinstitutionalization of status offenders. Applications proposing research outside of these two research areas will not be considered.”

Amount: \$600,000 over five years

### **Funding Agency: NASA in Kansas**

Title: Seed Research Initiation (SRI) and Partnership Development Grant (PDG)

Application Deadline: SRI due February 26, 2021; PDG due March 12, 2021

Purpose: PDG “grants are intended to facilitate the development of beneficial and promising NASA collaborations.” “SRI grants are designed to assist investigators in starting research projects having a high probability for sustained growth and value to NASA and Kansas.”

Amount: Three PDG Grants expected for \$18,346 each; One single SRI award is anticipated for \$152,642. Cost Match is a requirement of both.

### **\*\*\*LIMITED\*\*\* Funding Agency: National Institutes of Health (NIH)**

Title: Graduate Research Training Initiative for Student Enhancement (G-RISE) (T32 - Clinical Trial Not Allowed)

Application Deadline: \*\*\*Limited\*\*\* Because WSU may only submit one application, Notices of Intent to apply must be sent to [proposals@wichita.edu](mailto:proposals@wichita.edu) by Monday, January 11<sup>th</sup> at 12 noon, in case an internal competition is needed. You will be informed by January 26

if your application was chosen to proceed. Applications to the funder (if selected) will be due by February 26, 2021.

Purpose: “The goal of the Graduate Research Training Initiative for Student Enhancement (G-RISE) program is to develop a diverse pool of scientists earning a Ph.D., who have the skills to successfully transition into careers in the biomedical research workforce. This funding opportunity announcement (FOA) provides support to eligible, domestic institutions to develop and implement effective, evidence-informed approaches to biomedical graduate training and mentoring that will keep pace with the rapid evolution of the biomedical research enterprise. NIGMS expects that the proposed research training programs will incorporate didactic, research, mentoring, and career development elements to prepare trainees for careers that will have a significant impact on the health-related research needs of the Nation. This program is limited to applications from training programs at research-active institutions (i.e., those with NIH Research Project Grant funding averaging less than \$7.5 million in total costs (direct and F&A/indirect) per year over the last three fiscal years).”

Amount: Application budgets are not limited but need to reflect the actual needs of the proposed project.

**Funding Agency: NIH – National Institute of Mental Health (NIMH)**

Title: [Mood Disorders in People Living with HIV: Mechanisms and Pathways \(R21 Clinical Trial Optional\)](#)

Application Deadline: March 10, 2021

Purpose: “The purpose of this Funding Opportunity Announcement (FOA) is to support studies to better understand the underlying mechanisms and interplay of biological, psychosocial and structural factors contributing to mood disorders in people living with HIV. Exploratory and high-risk research projects are appropriate for this

FOA. Applications testing a fully conceptualized and hypothesis-based solid premise founded with adequate preliminary data should consider applying to the companion R01 announcement RFA-MH-21-116. Basic and preclinical research in domestic and international settings are of interest. Multidisciplinary research teams and collaborative alliances are encouraged but not required.”

Amount: Direct Costs may not exceed \$275,000 over two years

**Funding Agency: Patient-Centered Outcomes Research Institute**

Title: [Broad PCORI Funding Announcements -- Cycle 2 2021](#)

Application Deadline: Letters of Intent due June 1, 2021

Purpose: “The Broad PCORI Funding Announcements (PFAs) seek investigator-initiated applications for patient-centered comparative clinical effectiveness research (CER) projects aligned with our priority areas for research. This PFA covers the following four priority areas: Addressing Disparities; Assessment of Prevention, Diagnosis, and Treatment Options; Communication and Dissemination Research, and Improving Health Systems. Applications should address needs of patients, caregivers, clinicians, and other healthcare stakeholders in making personalized clinical decisions across a wide range of conditions, populations, and treatments.”

Amount: Addressing Disparities; Assessment of Prevention, Diagnosis, and Treatment Options; and Improving Healthcare Systems: up to \$3 million (Small) - up to \$5 million (Large) – Communication & Dissemination Research: up to \$2 million

## **Funding Agency: National Science Foundation**

Title: [NSF Individual and Small Team Proposals](#)

Application Deadline: Varies by topic.

Advanced Manufacturing – proposals accepted anytime

Applied Mathematics – Nov 1-15, 2021

Archaeology and Archaeometry – July 1 and December 20 annually

Astronomy and Astrophysics – Oct 1-Nov 15, 2021

Biological Anthropology – July 20 and Jan 20 annually

Biomechanics and Mechanobiology – proposals accepted anytime

Biophotonics – proposals accepted anytime

Biosensing – proposals accepted anytime

Cellular and Biochemical Engineering – proposals accepted anytime

Chemistry: Disciplinary Research Programs – varies based on discipline

Computational & Data-Enabled Science and Engineering - Varies

Cultural Anthropology – Aug 15 and Jan 15 annually

Ecology and Evolution of Infectious Diseases – Nov 17, 2021

Economics – Aug 18 and Jan 18 annually

Energy, Power, Control, and Networks – proposals accepted anytime

Engineering of Biomedical Systems – proposals accepted anytime

Environmental Biology – proposals accepted anytime

Environmental Engineering – proposals accepted anytime

Environmental Sustainability – proposals accepted anytime

Geophysics – proposals accepted anytime

Mathematical Biology – Aug 20-Sept 6, 2021

Division of Materials Research – Oct 1-Nov 1, 2021

Methodology, Measurement, and Statistics –Jan 28, 2021

Molecular and Cellular Biosciences – proposals accepted anytime

Physics – Varies by topic

Secure & Trustworthy Cyberspace – proposals accepted anytime

Security and Preparedness – Aug 15 and Jan 15 annually

Smart and Connected Health – Dec 11 annually

Social Psychology – July 15 and Jan 15 annually

Sociology – Aug 15 and Jan 15 annually

Statistics – Dec 1-15 annually

### **Funding Agency: National Science Foundation**

Title: [NSF Special Programs](#)

Application Deadline: Varies by topic – click each topic to learn more about these special program opportunities.

[Broadening Participation in Engineering \(BPE\)](#) –accepted anytime

[Computer Science for All \(CSforAll: Research and RPPs\)](#) – Feb 10, 2021



Computer and Information Science and Engineering (CISE): Core Programs – Varies by size of application (Small, Medium, Large)

Critical Aspects of Sustainability (CAS) –accepted anytime

Division of Chemistry: Disciplinary Research Programs (CHE-DRP) – October 31, 2021 for CMI, CLP, ECS and MSN; September 30, 2021 for CAT, CSDM-A, CSDM-B, CTMC, SYN

Earth Sciences: Instrumentation and Facilities Program –accepted anytime

Ethical and Responsible Research (ER2) – Feb 22 annually

Expeditions in Computing – Varies by topic

Mathematical Sciences Infrastructure Program –Dec 15 annually

Robert Noyce Teacher Scholarship Program – Aug 31, 2021

Research Experiences for Undergraduates (REU) – Aug 25, 2021

Research Experiences for Teachers (RET) in Engineering and Computer Science – Sept 15, 2021

Industry-University Cooperative Research Centers Program (IUCRC) – Preliminary Proposals due Mar 10, 2021

Partnerships for Innovation (PFI) – Jan 13, 2021

A Science of Science Policy Approach to Analyzing and Innovating the Biomedical Research Enterprise (SCISIPBIO) – Feb 9, 2021

Research Training Groups in the Mathematical Sciences (RTG) – Jun 1, 2021

## **EDUCATION/TRAINING**

### **NIH's National Cancer Institute Pre-Application Webinar: January 8, 2021**

The National Institutes of Health's National Cancer Institute will host a pre-application webinar for those interested in applying to NCI Pathway to Independence Award for Outstanding Early Stage Postdoctoral Researchers (K99/R00).

**Read the NCI Pre-application webinar notice regarding K99/R00 Postdoctoral**

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### **NIH's National Cancer Institute Pre-Application Webinar: January 12, 2021**

NCI announced a new partnership with Cancer Research UK (CRUK) to co-fund Cancer Grand Challenges (CGC), an international research initiative to address major, unresolved questions in cancer research. The Challenges are developed through engagement with the scientific community to identify urgent research questions for which progress would have a transformative impact on cancer research. The program is designed to support international, multidisciplinary teams proposing bold initiatives with awards of up to £20 million (~\$25M) over 5 years. As this is a new funding opportunity from both NCI and CRUK that involves new award and program management approaches, a pre-application webinar will be conducted to provide clarity around the following: Unique program features and requirements, Unique application and review process, Joint NCI and CRUK management of active awards.

## **Read the NCI Pre-application webinar notice regarding Cancer Grand Challenges**

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### **Kansas K-INBRE 19<sup>th</sup> Annual Symposium: January 14 & 15, 2021**

The purpose of the Kansas INBRE (K-INBRE) is to strengthen the ability of Kansas researchers to compete effectively for NIH funds by building a “critical mass” of junior and senior investigators, as well as undergraduates, graduate students, and post-doctoral fellows supported with cutting edge technology within a scientific research theme. The scientific research theme chosen for the K-INBRE is Cell and Developmental Biology.

### **Register for the K-INBRE Virtual Conference**

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### **GrantStation Free Webinar: Proposal Writing-What the Pros Know: January 19, 2020**

“This free webinar will give you a comprehensive introduction to proposal writing, outline what should be included in each proposal component, and help you steer clear of the most common pitfalls. This fast-paced online event will provide an overview of the building blocks necessary for a strong grant proposal.” Geared toward nonprofit professionals.

### **Register for GrantStation’s Free Webinar**

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## Hanover Research: January 22, 2021

Wichita State University is partnering with Hanover Research to provide faculty with opportunities designed to increase your grant-writing success and research competitiveness. These webinars build upon our in-house workshop series, and attendance therefore requires participation in one or more previous WSU Office of Research workshops or with prior approval from [Fran Cook, Training Manager](#).

- **Good vs Fundable Proposals Webinar** - Friday, January 22, 2021, 10am - 12pm. This training will explore the difference between a good project and a fundable one, with particular emphasis on how to speak to funders' expectations around innovation. A panel of grant consultants from a range of backgrounds will follow.
- **Faculty Consultations** - Friday, January 22, 2021 - If you register and attend one or more of the Hanover webinars on October 30th or January 22nd, you will have a chance to receive a one-on-one consultation with a grant consultant expert from Hanover Research, who specializes in your area of research. Only eight slots are available and faculty (or groups of faculty with similar interests) must provide a white paper in advance of the Faculty Consultation to be considered for this opportunity.

Email [proposals@wichita.edu](mailto:proposals@wichita.edu) to Register for Hanover Workshops

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**WSU Office of Research Workshop: NIH R15: January 27, 2021, 1:00-2:30pm**

Please join the Office of Research at a virtual webinar to hear from WSU researcher experts who will discuss the National Institutes of Health's R15 funding mechanism and applying to NIH overall. The R15 is now known as a Research Enhancement Award. WSU is eligible to receive Research Enhancement Awards, which support small-scale research projects at institutions that have not received major NIH support. NIH R15 funding goals include: 1) supporting meritorious research, 2) exposing students to research and 3) strengthening the research environment of the institution. Dr. Moriah Beck, Associate Professor of Chemistry, will discuss her experience in receiving an NIH R15 award at WSU, and her service as a reviewer on three NIH review panels. Dr. George Bousfield, Distinguished Professor of Biological Sciences, will discuss his research success, having received large multi-year, and multi-project PO1 (Research Program Project Grant) grants from NIH.

Email [proposals@wichita.edu](mailto:proposals@wichita.edu) or register through MyTraining

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### **CITI Program Free COVID-19 Training Courses**

*Participating in Vaccine Research* is now available as part of CITI's COVID-19 training which already includes *Remote Contact Tracing* and *COVID-19: Back to Campus* courses. There are over 200 vaccines under development to combat COVID-19 and a need for thousands of volunteers to participate in trials in upcoming months. The *Participating in Vaccine Research* webinar covers the basics of what individuals should expect while participating in vaccine trials, their rights, essential questions they should ask before agreeing to participate, and how to find COVID-19 vaccine trials that are recruiting. -

**CITI Website** – contact [proposals@wichita.edu](mailto:proposals@wichita.edu) if you have questions about setting up your CITI account and affiliating with Wichita State University