



WICHITA STATE  
UNIVERSITY  
OFFICE OF RESEARCH

## INSIDE RESEARCH & Funding Opportunities

News, Events and Resources for the WSU Research Community

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### MARCH 2021

Congratulations to those who received grants in February! Wichita State will have new research opportunities after being selected to join Oak Ridge Associated Universities (ORAU) as a Sponsoring Institution: [Link to New Release](#). ORAU provides innovative scientific and technical solutions to advance national priorities in science, education, security and health. WSU will join more than 100 major Ph.D.-granting institutions to contribute to specialized teams of experts with unique laboratory capabilities that enable ORAU to work with federal, state, local and commercial customers to advance national priorities and serve the public interest. ORAU also manages the Oak Ridge Institute for Science and Education (ORISE) for the U.S. Department of Energy (DOE). In addition to facilitating collaborative proposals, and student internships and faculty sabbaticals at national labs through ORISE, ORAU offers programs for junior faculty enhancement awards, seed money for exploratory research, small funds for event sponsorship, and a Peer Net proposal evaluation system. ORAU also holds an annual conference on a national priority for its members. A team from WSU attended the 2021 virtual conference on *Artificial Intelligence and Machine Learning*; the 2022 conference will explore *Public Health Security and Innovation: Lessons Learned from Covid-19*. This WSU newsletter will provide details of future opportunities made available through ORAU membership, as well as announcements of any funded projects. Good luck to all of you in your research efforts over the next month.

Coleen Pugh, AVP for Research

## **EDUCATION / TRAINING**

### **NATIONAL REDISTRICTING PROJECT**

PI/Department: Brian Amos, Political Science

Sponsor: University of Florida / Alfred P Sloan Foundation

Amount: \$17,883

## **TRANSMISSION PLANNING UNDER HIGH RENEWABLE PENETRATION (YEAR 2)**

PI/Department: Visvakumar Aravinthan, Electrical & Computer Engr

Co-PI/Department: Chengzong Pang, Electrical & Computer Engr | Xiaoheng Wang,  
Hws of Urban & Public Affairs | Mehmet Yildirim, Industrial & Manufacturing Eng

Sponsor: Sunflower Electric Power Corporation

Amount: \$120,000

## **DISTRICT OF KANSAS CRIME GUN INTELLIGENCE CENTER**

PI/Department: Andra Bannister, School of Criminal Justice

Sponsor: Wichita Police Department / Office of Justice Programs

Amount: \$68,000

## **WICHITA STATE STUDENTS BEAT COVID**

PI/Department: Loren Belew, Community Engagement Institute

Sponsor: Kansas Leadership Center

Amount: \$3,000

## **KANSAS PROCUREMENT TECHNICAL ASSISTANCE CENTER**

PI/Department: Teresa Bennett, Procurement Technical Assist Center

Sponsor: Defense Logistics Agency

Amount: \$421,045

## **CITY OF ANDOVER STRATEGIC PLAN PROPOSAL**

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

Sponsor: City of Andover

Amount: \$15,075

### **CITY OF BEL AIRE COMPENSATION STUDY AMENDMENT 1**

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

Sponsor: City of Bel Aire

Amount: \$1,200

### **CITY OF HERINGTON GOVERNING BODY PLANNING WORKSHOP**

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

Sponsor: City of Herington

Amount: \$1,600

### **CITY OF WINFIELD SUPERVISOR TRAINING**

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

Sponsor: City of Winfield

Amount: \$1,950

### **WORKFORCE INNOVATION CONFERENCE 2021**

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

Sponsor: Kansas Board of Regents / Department of Education-US

Amount: \$12,840

### **WORKFORCE INNOVATION CONFERENCE 2021**

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

Sponsor: Kansas Department of Commerce / Department of Education-US

Amount: \$12,840

### **MENTAL HEALTH STRATEGIC PLAN IMPLEMENTATION SUPPORT AND COALITION BUILDING**

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

Sponsor: Sedgwick County Division Of Finance / U.S. Department of Treasury

Amount: \$45,000

### **THE WICHITA-SEDGWICK COUNTY HISTORICAL MUSEUM STRATEGIC PLANNING PROJECT**

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

Sponsor: Wichita-Sedgwick County Historical Museum

Amount: \$12,274

### **EVALUATING THE EFFICACY OF A NOVEL MEDICAL FORENSIC SERVICES PROGRAM FOR VICTIMS OF INTIMATE PARTNER VIOLENCE IN WICHITA KS**

PI/Department: Jennifer Demers, Psychology

Sponsor: Wichita Medical Research And Education Foundation

Amount: \$15,000

### **FACILITATION OF VIRTUAL DIVERSITY, EQUITY AND INCLUSION TRAINING**

PI/Department: Breann Gilkey, School of Social Work

Sponsor: Department for Children and Families

Amount: \$4,900

### **K-INBRE UNDERGRADUATE RESEARCH OFFICE (URO)**

PI/Department: William Hendry, Biological Sciences

Sponsor: Univ of KS Medical Ctr Research Inst Inc / Natl Institutes of Health

Amount: \$20,976

### **JOINT METAL ADDITIVE DATABASE DEFINITION (JMADD) PATHFINDER - MODIFICATION 001**

PI/Department: Christopher Holshouser, NIAR-Composites & Structures

Co-PI/Department: Shawn Ehrstein, NIAR-CAD/CAM | Royal Lovingfoss, NIAR-Composites & Structures | Rachael Missri-Andrulonis, NIAR-Composites & Structures

Sponsor: National Center for Defense Manufacturing and Machining / US Airforce

Amount: \$1,800,000

### **BCBS OF KS CUSTOMER SATISFACTION 2021 ADDENDUM**

PI/Department: Jeffrey Jarman, The Research Partnership

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

Sponsor: Blue Cross and Blue Shield of Kansas

Amount: \$136,326

### **RIMVORA PHASE 1 - FOCUS GROUP**

PI/Department: Jeffrey Jarman, The Research Partnership

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

Sponsor: Tsongas

Amount: \$ 250

### **MOCK TRIAL - BORVAMA**

PI/Department: Jeffrey Jarman, The Research Partnership

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

Sponsor: Tsongas

Amount: \$5,000

### **MOCK TRIAL - CANVISL**

PI/Department: Jeffrey Jarman, The Research Partnership

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

Sponsor: Tsongas

Amount: \$3,500

### **MOCK TRIAL – CANVISL 2**

PI/Department: Jeffrey Jarman, The Research Partnership

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

Sponsor: Tsongas

Amount: \$2,500

**MOCK TRIAL - CALVDAV**

PI/Department: Jeffrey Jarman, The Research Partnership

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

Sponsor: Tsongas

Amount: \$5,500

**MOCK TRIAL - NORVCOR**

PI/Department: Jeffrey Jarman, The Research Partnership

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

Sponsor: Tsongas

Amount: \$5,000

**ROM AND FORCE TESTING WORK OF THE PAEXO EXOSKELETON**

PI/Department: Michael Jorgensen, Biomedical Engineering

Co-PI/Department: Jaydip Desai, Biomedical Engineering | Nils Hakansson, Biomedical Engineering

Sponsor: Spirit Aerosystems INC

Amount: \$18,000

**US AIR FORCE COMMERCIAL DERIVATIVE AIRCRAFT NON-RECHARGEABLE LITHIUM BATTERY TESTING & CERTIFICATION**

PI/Department: Kyle McMullen, NIAR-Environmental Test Lab

Sponsor: Alion Science & Technology / Department of Defense

Amount: \$443,276

**CREATING EDUCATIONAL TECHNOLOGIES TO ASSIST REFUGEE LEARNERS:  
PROJECT EDUCATION FOR ALL**

PI/Department: Mythili Menon, English

Co-PI/Department: Karissa Marble-Flint, Health Professions Dean's Office | Jaehwan Byun, School of Education

Sponsor: State of Kansas/PCSI

Amount: \$300,000

**STATE ESSENTIALS FOR CHILDHOOD INITIATIVE AMENDMENT**

PI/Department: Scott Wituk, Community Engagement Institute

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

Amount: \$12,000

**KANSAS SYSTEM OF CARE GRANT AGREEMENT**

PI/Department: Scott Wituk, Community Engagement Institute

Sponsor: Kansas Department for Aging & Disability Services / Substance Abuse-Mntl Health Srv Adm

Amount: \$132,500

**KANSAS CHW EDUCATION, SUCCESS STORIES AND SYMPOSIUM**

PI/Department: Scott Wituk, Community Engagement Institute

Sponsor: United Methodist Health Ministry Fund

Amount: \$65,645



## **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.

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

Title: [Research and Evaluation of Services for Victims of Crime, Fiscal Year 2021](#)

Application Deadline: March 30, 2021

Purpose: "In collaboration with the Office of Victims of Crime, NIJ is seeking applications in three main areas under this solicitation: 1) research and evaluation of State crime victim compensation programs; 2) research on the impact of COVID-19 on the delivery of services to victims of crime; and 3) evaluation of programs that provide services for victims of crime. Applicants should submit proposals that address one of the three topics."

Amount: The recent median NIJ grant award amount is approximately \$600,000. Applicants are encouraged to propose budgets that match the research activities proposed, which may be more or less than the anticipated maximum dollar amount of awards.

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

Title: [Understanding Gulf Ocean Systems Grants](#)

Application Deadline: Letters of Intent due March 30; Full Applications due August 3, 2021

Purpose: Primary Focus Areas include "Use existing and emerging understanding and data to improve skill of sustained continuous operational forecasts of ocean dynamics for the reduction of risks in offshore energy exploration and production in the regions of the GoM where deep-water drilling and production occur and/ or are anticipated. Forecasts should be aimed at meeting the offshore operators and regulators lead-time requirements for near-surface and deep-water currents and transport. Design and

implement cost effective ocean observations, data assimilation techniques, and improvements to forecast models that will contribute to improving the skill of sustained continuous operational forecasting of the LC and LCEs throughout the full water column with forecast times of benefit to the offshore energy exploration and production. The design could entail traditional and innovative technologies and approaches, including adaptive sampling during LC expansion and eddy shedding or reattachment.”

Amount: Funding for up to three (3) multi-investigator consortia is anticipated. The total available funding for the consortia is \$22 million. The remaining \$3 million may be used to address additional gaps in knowledge, modeling, or observations. The Request for Applications to address additional gaps would be opened after consortia are selected. There are no minimum budget requests per application, the maximum limit for a consortium is \$22 million; proposed budgets should be commensurate with the work described.

**Funding Agency: FM Global**

Title: **FM Global Fire Prevention Grant Program**

Application Deadline: March 31, 2021

Purpose: “Because we believe that the majority of fire can be prevented, FM Global is pleased to offer financial support to organizations working to combat fire. Through our Fire Prevention Grant Program, fire departments and brigades, as well as national, state, regional, local and community organizations can apply for funding to support a wide array of fire prevention, preparedness and control efforts, including pre-incident planning, fire prevention education/training and arson prevention/fire investigation.”

Amount: \$2,500

**Funding Agency: U.S. Department of Veteran’s Affairs**

Title: **Adaptive Sports Grant Program**

Application Deadline: March 31, 2021

Purpose: “The Adaptive Sports Grant Program is facilitated and managed by the National Veterans Sports Programs and Special Events Office (NVSP&SE). The mission of the NVSP&SE office is to provide opportunities for Veterans to improve their independence, well-being, and quality of life through adaptive sports and therapeutic arts programs. VA awards grants to qualifying organizations to plan, develop, manage, and implement programs to provide adaptive sports opportunities for disabled Veterans

and disabled members of the Armed Forces as authorized under 38 United States Code 521A.”

Amount: \$750,000

**Funding Agency: Sigma/Hospice and Palliative Nurses Foundation**

Title: **End of Life Nursing Care Research (HPNA) Grant**

Application Deadline: April 1, 2021

Purpose: “The purpose of the Sigma/Hospice and Palliative Nurses Foundation End of Life Nursing Care research grant is to encourage qualified nurses to contribute to the advancement of nursing care through research. Proposals for pilot and/or developmental research may be submitted for the grant.”

Amount: \$10,000

**Funding Agency: Brady Education Foundation**

Title: **Proposals for Program Evaluations**

Application Deadline: Stage One Applications accepted April 1 and August 1, 2021

Purpose: “The Foundation is currently accepting proposals focused on evaluating programs that have the potential of helping to close the opportunity and resulting achievement gaps associated with race and family income.”

Amount: See website for amounts of previous awards by type

**Funding Agency: American Cancer Society**

Title: **RFA: The Role of Health Policy and Health Insurance in Improving Access to and Performance of Cancer Prevention, Early Detection, and Treatment Services**

Application Deadline: April 1, 2021

Purpose: “A call for research that evaluates the impact of the many changes now occurring in the healthcare system with a particular focus on cancer prevention, control, and treatment. Efforts focusing on improving access to care may also impact inequities

that contribute to health disparities. New health public policy initiatives such as the new federal and state marketplaces that have expanded insurance coverage, as well as Medicaid expansion in some states, create natural experiments ripe for evaluation. Research to be funded by this RFA should focus on the changes in national, state, and/or local policy and the response to these changes by healthcare systems, insurers, payers, communities, practices, and patients.”

Amount: Between \$165,000 and \$200,000 per year depending on project length.

**Funding Agency: Prostate Cancer Foundation & Pfizer, Inc.**

Title: **PCF-Pfizer Health Equity Challenge Awards**

Application Deadline: Letters of Intent due April 9, 2021

Purpose: “The intent of this Request for Proposal (RFP) is to support general research projects that will improve the understanding of or reduce disparities in the diagnosis, management and outcomes of prostate cancer patients in minority and underserved communities. General Research proposals in the following topic areas are of particular interest: • Identification of barriers in the delivery of equitable healthcare; • Health Services research programs to study and optimize care delivery.”

Amount: Between \$100,000 and \$150,000.

**Funding Agency: James S. McDonnell Foundation**

Title: **JSMF Opportunity Awards 2021 Call for Applications**

Application Deadline: April 9, 2021

Purpose: “JSMF is encouraging researchers to pursue important questions using conceptual and methodological approaches that takes seriously the trajectories, biological and experiential, contributing to the ongoing development of cognition and behavior occurring across the lifespan. Individual projects need not cover the full human life span but the reasons for focusing on specific age ranges for study should be fully articulated. Research plans that only propose to document task performance of subjects at different ages (e.g., comparing 15-year-old subjects to 60-year-old subjects) are not responsive to the call for proposals.” “The JSMF Opportunity Awards provide up to \$250,000 in seed funds expendable over a flexible time period (between 2 and 4 years) as needed by researchers to design and carry out new studies motivated by questioning, revisiting, or re-examining the current state of academic knowledge of human cognition and behavior using a dynamic, context-sensitive lens. New theories,

tools, and techniques have opened myriad opportunities for rigorously studying cognition and behavior as individuals engage in ongoing real-world activities in everyday life contexts in ways not previously possible. This call for proposals is focused on applications from researchers who are not now using the approaches described in this call for proposals, but who want to adopt this approach as an experimentally coherent way of conceptualizing, designing, and pursuing an understanding of human cognition and behavior.”

Amount: \$250,000

**Funding Agency: U.S. Health and Human Services**

Title: **Emerging Issues in Maternal and Child Health**

Application Deadline: April 9, 2021

Purpose: “This notice announces the opportunity to apply for funding under the Emerging Issues in Maternal and Child Health Program. The purpose of this program is to strengthen the capacities of state- and/or local-level organizations to respond to emerging public health issues affecting maternal and child health (MCH) populations. This funding opportunity is a mechanism to support capacity-strengthening activities that will improve state- and/or local-level organizations’ abilities to address emerging issues that threaten the health and well-being of MCH populations in an effective, timely manner. For the purposes of this NOFO, MCH populations include the following groups: women, children (birth to 21), children with special health care needs (CSHCN), adolescents, and families. Recipients will implement a set of activities under at least one of the three capacity-strengthening areas.”

Amount: \$250,000

**Funding Agency: Patterson Foundation**

Title: **Grantmaking in Oral Health & Animal Health**

Application Deadline: Letters of Intent due April 9, August 13, and October 8, 2021

Purpose: LOI is initial approach. The Patterson Foundation is committed to investing in programs that strengthen communities by helping those most in need live healthy lives. Grants are awarded to non-profit organizations with 501(c)(3) tax status that operate programs in the oral health and animal health fields. Highest priority is given to programs staffed by volunteer professionals or students in our fields of interest. The Patterson Foundation supports programs that expand access to restorative and

emergency dental care for individuals in need. Priority is given to organizations that are staffed primarily by volunteer dental professionals and/or students. In this focus area, the Foundation supports the following types of requests. Funding for organizations that provide assistance dogs to veterans and individuals with disabilities. The Foundation awards grants for start-up costs or one-time expenses to help a program expand capacity for years into the future. In general, support is limited to organizations that are members or candidates of Assistance Dogs International (ADI) or the International Guide Dog Federation (IGDF).

Amount: Up to \$35,000 depending on project needs

### **Funding Agency: Simons Foundation**

Title: [Bridge to Independence Award Program](#)

Application Deadline: Letters of Recommendation and LOIs due April 12, 2021

Purpose: "SFARI is invested in supporting the next generation of top autism researchers. The Bridge to Independence Award program engages talented early-career scientists in autism research by facilitating their transition to research independence and providing grant funding at the start of their professorships at a U.S. or Canadian research institution."

Amount: "Fellows receive a commitment of \$495,000 over three years, activated upon assumption of a tenure-track professorship."

### **Funding Agency: Google**

Title: [Impact Challenge for Women and Girls](#)

Application Deadline: Letter of Intent due April 9, 2021

Purpose: "The Google.org Impact Challenge for Women and Girls commits \$25 million to fund organizations creating pathways to prosperity for women and girls. This is an open call for applications, and selected charitable initiatives will receive up to \$2 million, as well as opportunities for mentorship and additional support from Google. Gender inequity is one of the most urgent challenges we face as a society, and COVID-19 has put the economic future of women and girls at even greater risk. At Google.org, we believe that solving big problems requires collective action, and the people closest to the challenges are often those closest to the solution. We want to support organizations helping women and girls turn their economic potential into power: from programs

addressing systemic barriers to economic equality, to those cultivating entrepreneurship, developing financial independence, and more."

Amount: Between \$300,000 and \$2,000,000

**Funding Agency: AARP**

Title: 2021 AARP Community Challenge

Application Deadline: April 14, 2021

Purpose: "The AARP Community Challenge provides small grants to fund quick-action projects that can help communities become more livable for people of all ages. Applications are accepted for projects to improve public spaces, housing, transportation, civic engagement, coronavirus recovery, diversity and inclusion, and more."

Amount: "If your idea is big, no project is too small! Grants can range from several hundred dollars for smaller, short-term activities to several thousand or tens of thousands of dollars for larger projects."

Purpose: The Foundation is currently interested in basic research in neurobiology, defined as follows: Invertebrate and vertebrate (excluding clinical) neurobiology, specifically investigations of neural mechanisms involved in sensory, motor, and other complex functions of the whole organism as these relate to behavior. The overall goal should be to better understand behavioral output or brain mechanisms of behavior. The Foundation does not support research focused primarily on disease(s) unless it will also provide insights into normal functioning.

Amount: \$30,000-\$75,000 for Research Grants; \$30,000 for Grants-in-Aid

**Funding Agency: U.S. Food and Drug Administration (FDA)**

Title: Training Alliance to Enhance Produce Safety and FDA Food Safety Modernization Act Compliance (U2F) Clinical Trial Not Allowed

Application Deadline: April 19, 2021

Purpose: "The purpose of the opportunity is to provide state and local regulators, the produce industry, and extension educators with training and educational and outreach opportunities related to current produce safety best practices, guidance, and regulatory requirements by maintaining the "Produce Safety Alliance" (PSA).

- Objective 1: Maintain a standardized, multi-format, multi-lingual training and education program to assist regulatory agencies and the produce industry (including growers and packers) with the implementation of FDA's FSMA Produce Safety Rule and in understanding the public health and environmental benefits of co-management and to integrate food safety and environment co-management principles in implementing FDA's Produce Safety Rule. Update the standardized curriculum to incorporate other FSMA rules and guidances that impact the fresh produce industry.
- Objective 2: Maintain a Train-the-Trainer curriculum to ensure that a national and international group of qualified instructors is available to deliver the program. Maintain a Lead Training application and review process, and a Trainer-of-Trainer process, in both English and Spanish.
- Objective 3: Providing education, outreach, and technical assistance to fresh produce growers and packers, including grower cooperatives, to increase their understanding of the critical role they play in public health via implementation of on-farm and packing house GAPs, on-farm environmental coordinated management (co-management), and other preventive controls.
- Objective 4: Conduct an ongoing formal evaluation of the effectiveness of the training. Conduct research through this evaluation including data collection and analysis to assess the training impact, trainer effectiveness, and need for course modifications to improve participant understanding of the Produce Safety Rule and Good Agricultural Practices, and enhance training based on evaluation findings. Continue to assess the adequacy of existing education and outreach tools, identify gaps, and fill and update as necessary.
- Objective 5: Engage with FDA and partners to advance efforts related to international audiences, including Trainer-of-Trainers trainings and the Lead Trainer application/review process.
- Objective 6: Being a repository for and providing easy access to stakeholders of up-to-date scientific and technical information related to FDA's Produce Safety Rule, on-farm produce safety, and on-farm food safety and environment co-management."

Amount: \$1,600,000 per year

**Funding Agency: American Speech-Language-Hearing Foundation**

Title: **Clinical Research Grant**

Application Deadline: April 19, 2021

Purpose: Advances knowledge of treatment efficacy and assessment practices. For researchers (with a PhD or equivalent research doctorate in communication sciences and disorders (CSD) or related discipline). Opportunities available include Mentored Research Studies, Independent Research Studies, and Collaborative Research Studies.



Amount: \$50,000-\$75,000

**Funding Agency: U.S. Department of Education**

Title: Educational Technology, Media, and Materials for Individuals with Disabilities Program: Television Access Projects and Educational Technology, Media, and Materials for Individuals with Disabilities Program: Captioned and Described Educational Media Center

Application Deadline: April 27, 2021 for both opportunities

Purpose: “The purpose of the Educational Technology, Media, and Materials for Individuals with Disabilities Program is to improve results for students with disabilities by (1) promoting the development, demonstration, and use of technology; (2) supporting educational activities designed to be of educational value in the classroom for students with disabilities; (3) providing support for captioning and video description that is appropriate for use in the classroom; and (4) providing accessible educational materials to students with disabilities in a timely manner.”

Amount: Up to \$666,000 for Television Access Projects; Up to \$2,000,000 for Media Center

**Funding Agency: Council on Library & Information Resources (CLIR)**

Title: Digitizing Hidden Special Collections & Archives

Application Deadline: Initial Application due April 30, 2021; Full Proposals will be due November 19, 2021 (if invited)

Purpose: “Digitizing Hidden Special Collections and Archives: Amplifying Unheard Voices is a national grant competition administered by the Council on Library and Information Resources (CLIR) for digitizing rare and unique content stewarded by collecting organizations in the US and Canada. In 2021, the call for applications will focus on projects that propose to digitize materials that deepen public understanding of the histories of people of color and other communities and populations whose work, experiences, and perspectives have been insufficiently recognized or unattended. These often “hidden” histories include, but are not necessarily limited to, those of Black, Indigenous, Latinx, and other People of Color; Women; Gay, Lesbian, Bisexual, Transgender, Non-binary, and other Genderqueer people and communities; Immigrants; Displaced populations; Blind, Deaf, and Disabled people and communities; and Colonized, Disenfranchised, Enslaved, and Incarcerated people. The program is generously supported by The Andrew W. Mellon Foundation.”

Amount: \$50,000 - \$350,000

**Funding Agency: Elsa U. Pardee Foundation**

Title: **Grants**

Application Deadline: April 30, 2021 and August 31, 2021

Purpose: The Elsa U. Pardee Foundation funds research to investigators in United States non-profit institutions proposing research directed toward identifying new treatments or cures for cancer. The Foundation funds projects for a one-year period which will allow establishment of capabilities of new cancer researchers, or new cancer approaches by established cancer researchers. It is anticipated that this early stage funding by the Foundation may lead to subsequent and expanded support using government agency funding. Project relevance to cancer detection, treatment, or cure should be clearly identified. By design, there are no limits set on the grant amount that can be requested. It must be reasonably and clearly supported by the scope of the project outlined in the application.

Amount: \$90,000 to \$200,000 (no set limits)

**Funding Agency: Alternatives Research & Development Foundation**

Title: **Annual Open Grants Program**

Application Deadline: April 30, 2021

Purpose: ARDF's Annual Open grant program was established to fund research projects that develop alternative methods to advance science and replace or reduce animal use. Proposals are welcome from any nonprofit educational or research institution worldwide, although there is a preference for U.S. applications in order to more quickly advance alternatives here. Expert reviewers evaluate proposals based on scientific merit and feasibility, and the potential to reduce or replace the use of animals in the near future. Proposals are considered in fields of research, testing, or education. Scientific reviews are conducted under the guidance of the Institute for In Vitro Sciences, Gaithersburg, Maryland.

Amount: The maximum grant is \$40,000, with an average 21.5% funding rate from 2015 to 2020

**Funding Agency: U.S. Food & Drug Administration (FDA)**

Title: **Data Standards for Tobacco Research and Scientific Review Program (U24)**  
**Clinical Trial Not Allowed**

Application Deadline: Letters of Intent due May 1, 2021

Purpose: “The FDA Center for Tobacco Products is encouraging applications for projects to expedite development of data standards and terminologies to facilitate tobacco research, scientific review, harm reduction, and information exchange. The primary objective is to facilitate the development of non-proprietary, consensus-based, standards for use in studies of tobacco products. Projects may focus on solutions to general data standards development and implementation challenges and/or on specific concepts, domains or areas where standardization is needed.”

Amount: \$250,000 per year (two year project)

**Funding Agency: Environmental Research & Education Foundation (EREF)**

Title: **General Research Grant RFP**

Application Deadline: Pre-Proposals are due twice yearly: May 1 & December 1, 2021

Purpose: “The sustainability movement has reached the business models of nearly every industry in the United States, and many companies, municipalities and states have set aggressive sustainability goals that include how waste streams are being managed. The EREF Board of Directors has set an initiative to ensure research funded reflects EREF’s long-term strategic plan to address all areas of integrated solid waste management, with a strong focus towards research that increased sustainable solid waste management practices.”

Amount: \$15,000-\$500,000 (Average \$160,000)

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

Title: **Early-Career Research Fellowships**

Application Deadline: May 5, 2021

Purpose: “The Early Career Research Fellowship’s Environmental Protection and Stewardship 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 Gulf Environmental Protection and Stewardship Board. For the 2021-2023 Application Cycle, the Environmental Protection and Stewardship track goal focuses advancing understanding of the changing ecosystems of the U.S. Gulf of Mexico and its coastal zones as it applies to environmental protection and stewardship, including natural resource management and decision making.”

Amount: An award of \$76,000 is paid to each fellow’s institution in the form of a two-year grant.

### **Funding Agency: National Endowment for the Humanities**

Title: **Digital Projects for the Public**

Application Deadline: Optional Draft due May 5, 2021; Full Application due June 9, 2021

Purpose: "The Digital Projects for the Public program supports projects that interpret and analyze humanities content in primarily digital platforms and formats, such as websites, mobile applications and tours, interactive touch screens and kiosks, games, and virtual environments."

Amount: \$30,000 (Discovery), \$100,000 (Prototyping), \$400,000 (Production)

### **Funding Agency: National Institutes of Health (NIH): National Cancer Institute**

Title: **Exploratory Grant Award to Promote Workforce Diversity in Basic Cancer Research (R21 Clinical Trial Not Allowed)**

Application Deadline: Letter of Intent due May 15, 2021 for full applications due June 15, 2021

Purpose: “This Funding Opportunity Announcement (FOA) is a continuation of an NCI program to enhance 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. This FOA will fund investigators to develop a larger research project grant application.”

Amount: The combined budget for direct costs for the two-year project period may not exceed \$275,000.

## **Funding Agency: Environmental Protection Agency**

Title: **Cleaner Indoor Air During Wildfires Challenge**

Application Deadline: May 17, 2021

Purpose: "EPA is partnering with 10 federal, state, tribal and local organizations to stimulate the development of new technologies to clean indoor air. The first step in this effort is the development and launch of a competition called a Challenge, which offers a cash prize for the best technology design for cleaning indoor air during wildfire smoke events and high pollution days. Through this challenge, EPA and its partners encourage the development of new approaches, technologies, or technology combinations (termed "solutions") for keeping indoor air as clean as possible during periods when outdoor PM2.5 concentrations are elevated." The previously recorded launch webinar about this program is included on the project website.

Amount: Prizes of up to \$10,000

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

Title: **Support for Research Excellence (SuRE) Award (R16 Clinical Trial Not Allowed)**

Application Deadline: May 26, 2021

Purpose: "SuRE is a research capacity building program designed to develop and sustain research excellence in U.S. higher education institutions that receive limited NIH research support and serve students from groups underrepresented in biomedical research NOT-OD-20-031 with an emphasis on providing students with research opportunities and enriching the research environment at the applicant institutions. The purpose of SuRE awards is to provide research grant support for faculty investigators who have prior experience in leading externally-funded, independent research but are not currently funded by any NIH Research Project Grants with the exception of SuRE or SuRE-First awards."

Amount: \$100,000 in direct costs per year

## **Funding Agency: Wenner-Gren Foundation for Anthropological Research**

Title: **Conference and Workshop Grants**

Application Deadline: June 1 and December 1, 2021

Purpose: “Conference and Workshop Grants are for amounts up to \$20,000. In accordance with the mission of the Foundation, priority is given to events that foster the creation of an international community of research scholars in anthropology and advance significant and innovative anthropological research.”

Amount: Up to \$20,000

**Funding Agency: Robert Wood Johnson Foundation**

Title: **Systems for Action: Systems and Services Research to Build a Culture of Health**

Application Deadline: June 9, 2021

Purpose: “Achieving racial equity and health equity in American communities requires effective solutions to the “wrong-pocket problem”: we invest in systems that are designed to improve social and economic conditions—such as housing, transportation, education, income, and employment assistance; child and family supports; and legal and criminal justice services—but the financial benefits of these often flow elsewhere, in reduced costs for medical care from diseases and injuries prevented. This creates imbalances in power, information, and financial resources that exist across medical, social, and public health systems—a fundamental problem that confronts many attempts at meaningful cross-sector collaboration. Such solutions must allow collaborating organizations to equitably share in the costs and the benefits of multisector collaborative initiatives, and to share in the power and influence that govern these initiatives. This call for proposals (CFP) will provide funding for new research to rigorously test and evaluate innovative solutions to the wrong-pocket problem that persists across health and social service systems.”

Amount: \$500,000 over 36 months

**Funding Agency: National Institutes of Health (NIH)**

Title: **Transition to Independent Environmental Health Research (TIEHR) Career Award (K01 Clinical Trial Not Allowed)**

Application Deadline: June 12, October 12, 2021

Purpose: “The Transition to Independent Environmental Health (TIEHR) Career Award is a 3-year bridge scholar development program for newly independent faculty who intend to pursue research careers in environmental health sciences. At the conclusion of the career development period the candidates are expected to demonstrate they can successfully compete for research funding in the environmental health sciences. This

Funding Opportunity Announcement (FOA) is designed specifically for applicants proposing research that does not involve leading an independent clinical trial, a clinical trial feasibility study, or an ancillary study to a clinical trial. Applicants to this FOA are permitted to propose a research experience in a clinical trial led by a mentor or co-mentor.”

Amount: \$75,000 per year toward salary of career award recipient

**Funding Agency: Agency for Healthcare Research & Quality (AHRQ) in partnership with the Patient-Centered Outcomes Research Institute (PCORI)**

Title: **AHRQ/PCORI Learning Health System Small Grant Pilot Program (R03)**

Application Deadline: June 16, 2021

Purpose: “The Agency for Healthcare Research and Quality (AHRQ), in partnership with the Patient-Centered Outcomes Research Institute (PCORI), invites applications for funding to support innovative patient-centered outcomes research small pilot projects in Learning Health Systems (LHS) that evaluate the outcomes of embedded research and evaluate the processes by which embedded research can enhance impact, stakeholder engagement, and other health system-identified outcomes of interest.”

Amount: \$100,000 over 12 months

**Funding Agency: NASA**

Title: **ROSES 2021 Citizen Science Seed Funding Program**

Application Deadline: December 15, 2021 (Letters of Intent are requested by October 13, 2021 but are not required)

Purpose: “Citizen science is a form of open collaboration in which individuals or organizations participate voluntarily in the scientific process. The SMD Citizen Science Seed Funding Program (CSSFP) aims to support scientists and other experts to develop citizen science projects relevant to NASA's Astrophysics, Heliophysics and Planetary Science Research Programs. Note that the term "citizen science" does not pertain to citizenship in any particular country, and that "citizen scientists" may include "amateur" scientists. Up to three awards in each Division: Astrophysics, Heliophysics, and Planetary Science, for a total of up to 9 awards. In addition, proposals relevant to Biological and Physical Sciences will also be considered on a case by case basis. CSSFP awards have a duration of up to one year only. Citizen science projects enabled

by this program may be eligible to apply for longer-term support via other ROSES elements.”

Amount: Average of \$80,000 for one year

### **Funding Agency: Alfred P. Sloan Foundation**

Title: **Technology**

Application Deadline: Letters of Inquiry Accepted Anytime

Purpose: “When Alfred P. Sloan Jr. created this foundation in 1934, he envisioned it would serve as a vehicle for the creation and dissemination of scientific and economic knowledge. Few technological advances have revolutionized those activities more than the development of modern computing and the subsequent explosion in our ability to collect, manipulate, store, analyze, and transmit data. Sloan's programs in Digital Technology explore how the internet and computing technology are creating new opportunities to empower the scientific enterprise and expand the public's access to knowledge.”

Amount: See website for examples of previously funded awards.

### **Funding Agency: Wichita Community Foundation**

Title: **Dr. George Tiller Fund**

Application Deadline: Rolling

Purpose: The Tiller Fund requires that all requests focus on reproductive health and services to women in need; Medical education, but not scholarships; Medical testing expenses linked to reproductive health for women in need; Fellowships or research related to women's reproductive health; Sex education programs in elementary, middle or high schools; Fraternal, social or veteran organizations providing women's reproductive health; Film, video or documentary productions on women's reproductive health; Programs or events promoting women's reproductive health; Substance abuse programs for women in need; Offsetting the delivery of medical services related to reproductive health to women; Disease specific organizations related to reproductive health, such as breast or ovarian.

Amount: \$10,000



## **Funding Agency: Unreal Engine**

Title: **Epic Mega Grants**

Application Deadline: Rolling

Purpose: "Epic Games has committed \$100,000,000 to provide financial grants to creative, noteworthy, and innovative projects built in and around Unreal Engine or projects that enhance the open-source 3D graphics ecosystem. Grants range from \$5,000 to \$500,000, and cover a variety of endeavors from game development, architecture projects, and film production to academic uses and software tool development. No matter what size grant you receive, you will continue to own your IP and will be free to publish however you wish."

Amount: \$5,000-\$500,000

## **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 – August 26, 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 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 Sept 8, 2021

Partnerships for Innovation (PFI) – Jul 14, 2021

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

## **EDUCATION / TRAINING**

**When You *Picture a Scientist* Who Do You See? A Panel Conversation on Advancing Diversity and Inclusion in STEM: March 24, 2021, 2pm Central**

This panel discussion centers on "advancing diversity and inclusion in STEM with Dr. Jennifer Doudna (Nobel Prize-winning chemist), scientists from the film *Picture a Scientist*, Dr. Eva Pietri (Indiana University-Purdue University Indianapolis Social

Intervention and Attitudes Lab) and moderation by Laura Helmuth (Editor in Chief, Scientific American)".

**Spread the Word:** All faculty, staff, students and librarians at WSU are welcome to this event. Please forward this information and how to register at this [link](#).

You can also watch the film, *Picture a Scientist*, prior to the event, by using Film Platform at the WSU library: [WSU Ablah Libraries Film Platform login](#).

At a future date, the WSU National Science Foundation ADVANCE Catalyst grant initiative and the WSU Graduate School will cohost a screening of *Picture a Scientist* and a local panel discussion for WSU faculty, staff and students.

**[Register for the Panel Conversation on March 24, 2021](#)**

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### **All you Need to Know to Conduct Industrial Research at the CNMS: Accessing World-Class Instruments and Expertise: Virtual Seminar: April 8, 2021**

The Center for Nanophase Materials Sciences at Oak Ridge National Laboratory would like to invite you to attend a virtual seminar titled “All you Need to Know to Conduct Industrial Research at the CNMS: Accessing World-Class Instruments and Expertise” to be held at ORNL, April 8th, 2021 from 12-1 pm EST. The seminar will feature an overview of the CNMS capabilities, details on partnerships and agreements for conducting proprietary and non-proprietary work, as well as a walkthrough of the CNMS proposal process. The Center for Nanophase Materials Sciences (CNMS) at Oak Ridge National Laboratory (ORNL) offers the national and international user community access to staff expertise and state-of-the-art equipment for a broad range of nanoscience research, including nanomaterials synthesis, nanofabrication, imaging/microscopy/ characterization, and theory/modeling/simulation. Users join a vibrant research community that brings together ORNL research staff, technical support staff, students, postdoctoral fellows, and collaborating guest scientists. The program accommodates both short-term and long-term collaborative research projects. Access is obtained through a brief peer-reviewed proposal with no charge for users who intend to publish their results in the open literature. Access is available on a cost-recovery basis for research that is proprietary and not intended for publication or public dissemination. CNMS also acts as gateway for the nanoscience community to benefit from ORNL’s neutron sources (SNS and HFIR) and computational resources. A [CNMS Overview Video](#) and a [CNMS Virtual Tour](#) are also available.

**[Register for the CNMS Virtual Seminar](#)**

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## **HSI STEM Resource Hub Spring 2021 Jumpstart Grantsmanship Webinars: April 9, May 7, June 4, July 9, 2021**

More information about the HSI STEM Research Hub [here](#). Webinar topics vary. For example, Friday, April 9, 2021 at 3 PM EST is Evaluation as a Strength of Your Grant Proposal with Rachel Boren, PhD.

### **Register for Spring 2021 Webinars**

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**Have you received this invite for expensive training that is not sanctioned by WSU?**

*Live Online Professional Grant Development Workshop*  
***Master the techniques of writing superior winning proposals***  
*Sponsored by the Grant Training Center*

Have you been wondering if this training is worth it or how to talk to your supervisor about finding funds for you to attend? No worries, we have some alternative options for you to consider. The WSU Office of Research offers several tailored training opportunities for WSU Faculty and Staff that will meet your budget (because they are FREE!) and that will help you develop your grant and proposal writing skills.

Email [funding@wichita.edu](mailto:funding@wichita.edu) to:

- Request an individual Research Orientation with the WSU Office of Research team;
- Set up a Pivot account and receive guidance on how to search the database to find funding opportunities;
- Attend Research Workshops that will help you with finding funding, budgeting and writing effective proposals (and much more)!

Please let us know how we can help you. | WSU Office of Research | 316-978-3285

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## **NIH All About Grants Podcast: Considerations for a Research Plan**

Thanks to a suggestion from a listener, in this NIH All About Grants episode a duo of NIH program officers, Drs. Lillian Kuo from the National Cancer Institute and Kentner Singleton from the National Institute of Allergy and Infectious Diseases, share their advice and experience on developing a research plan for a grant application. They discuss the relationship between the specific aims and research strategy, provide suggestions for when you sit down to start writing, and share common pitfalls.

**[Listen to the Podcast](#)**

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## **National Institutes of Health: Writing an Effective “K” Application: A Video Guide**

Do you need some guidance on preparing a K Award application for the NIH? Dr. Kay Lund, Director of Division of Biomedical Research Workforce, gives some great tips in a 25-minute YouTube video, “Writing an Effective ‘K’ Application,” originally presented at the Fall 2020 NIH Virtual Seminar on Program Funding and Grants Administration.

**[Watch NIH “K” Application Video Now](#)**