



WICHITA STATE
UNIVERSITY
OFFICE OF RESEARCH

INSIDE RESEARCH & Funding Opportunities

News, Events and Resources for the WSU Research Community

[AWARDS](#)

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December 16, 2021

Congratulations to those who received grants in November! In addition to continuing to celebrate your accomplishments, and to inform you of funding and training opportunities, this and future newsletters will include a new section entitled *Important Announcements*, which will include pre-announcements and messages that funding agencies need to disseminate. Please help us in this mission to inform the WSU community by forwarding any notices of funding opportunities and/or training sessions to research@wichita.edu for inclusion in the next newsletter. The entire Office of Research wishes you and your family Happy Holidays, and much success in the New Year!

Coleen Pugh, Vice Provost for Research

AWARDS

PI/Department: Carryl Baldwin, Psychology

Co-PI/Department: Lisa Kline, Psychology | Quan Lei, Psychology | Joel Suss, Psychology

Sponsor: Federal Aviation Administration

Amount: \$100,000

KDHE RECYCLING PROJECT

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

Sponsor: Dept of Health & Environment - Kansas

Amount: \$9,261

**CONTINUOUS MONITORING OF HURRICANES USING RAIN CUBESATS
PARDHASAI CHADALAVADA**

PI/Department: Atri Dutta, Aerospace Engineering

Sponsor: Natl Aeronautics & Space Admn

Amount: \$45,000

SOUTHEAST WICHITA GEAR UP PARTNERSHIP GRANT

PI/Department: Wilma Holloway, Ed - GEAR UP

Sponsor: Department of Education - US

Amount: \$740,000

**IMPACT OF PSYCHOPHYSICAL PARADIGM ON SPECTRAL RIPPLE
DISCRIMINATION IN CHILDREN**

PI/Department: Benjamin Kirby, Communication Sciences & Disorders

Sponsor: University of North Texas

Amount: \$1,300

STRUCTURAL HEALTH MATERIAL CHARACTERIZATION TESTS

PI/Department: Royal Lovingfoss, NIAR - Composites & Structures

Co-PI/Department: Brian Smith, NIAR - Composites & Structures

Sponsor: Martin Defense Group / Department of Defense

Amount: \$7,590

**HI-RATE COMPOSITE AIRCRAFT MANUFACTURING (HICAM) - PO-2.5
THERMOPLASTIC COMPOSITE ASSEMBLY**

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

Sponsor: National Institute of Aerospace / Natl Aeronautics & Space Admn

Amount: \$102,643

A VISION FOR THE NEXT DECADE OF FOUNDATIONAL MACHINE LEARNING

PI/Department: Kaushik Sinha, School of Computing

Sponsor: The University of Texas at Austin / Natl Science Foundation

Amount: \$137,956

MODELING FOR AFFORDABLE, SUSTAINABLE COMPOSITES (MASC III)

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

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

Sponsor: Air Force Research Laboratory

Amount: \$17,386,616

INSPECTION AND FRACTOGRAPHIC ANALYSIS TO DEVELOP A DIGITAL TWIN FOR A LEGACY AIRCRAFT

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

Co-PI/Department: Melinda Laubach-Hock, Nat'l Institute for Aviation Res

Sponsor: National Center for Manufacturing Sciences / Department of Defense

Amount: \$353,004

STORIES FOR ALL: WICHITA NONWHITE BUSINESS OWNERS TELL THEIR STORIES

PI/Department: Robert Weems, History and Geography

Co-PI/Department: Suhair Abdinnour, Finance Real Est & Decision Sci | Jay Price, History and Geography

Sponsor: University of Kansas

Amount: \$20,000

WSU AMERICORPS KANSAS

PI/Department: Scott Wituk, Community Engagement Institute

Sponsor: Kansas State Department of Education / Corp for National & Community Srv

Amount: \$90,861

OKLAHOMA STATE UNIVERSITY INDUSTRIAL ASSESSMENT CENTER

PI/Department: Mehmet Yildirim, Industrial & Manufacturing Eng

Co-PI/Department: Deepak Gupta, Engineering Technology

Sponsor: Oklahoma State University / Department of Energy

Amount: \$71,000

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. If any of the following opportunities are of interest to you, please email proposals@wichita.edu as soon as possible so that a grant specialist may be assigned to assist. The Office of Research has updated its website with more information about the deadlines for receipt of proposals. While mandatory forms must be finalized well in advance of the funder deadline, you may continue to focus on your proposal narrative until closer to the deadline. Please visit [Pre-Award Services](#) to find out more! **UPCOMING UNIVERSITY SHUTDOWN: The Office of Research will be closed for the Holidays as of close of business on Friday, December 17th and will reopen at 8:00 AM on Monday, January 3rd. We look forward to assisting you in the new year!**

Funding Agency: National Academies: Gulf Research Program

Title: [Early-Career Research Fellowship: Human Health & Community Resilience Track](#)

Application Deadline: January 12, 2022

Purpose: "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 2022-2024 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 effects of climate change on social determinants of health."

Amount: \$76,000

Funding Agency: Kansas NASA EPSCoR

Title: [2022 Request for Proposals – Notice of Funding Opportunity Pre-Proposal](#)

Application Deadline: January 14, 2022

Purpose: "The Kansas NASA EPSCoR Program (KNEP) is seeking proposals for eventual submission to a NASA FY 2022 Notice of Funding Opportunity (NOFO). This research opportunity, previously a CAN, includes up to \$750,000 in funding for three years. All NASA EPSCoR monies must be cost-shared at a level of at least 50% with non-federal monies. In-

kind cost sharing is allowable, but NASA encourages proposers ‘to consider methods that add value to the jurisdiction's existing research capabilities.’”

Amount: \$750,000 with 50% cost share required

***** LIMITED *** Funding Agency: Health Resources & Services Administration (HRSA)**

Title: [Enhancing Systems of Care for Children with Medical Complexity \(Demonstration Projects\)](#) and [Enhancing Systems of Care for Children with Medical Complexity \(Coordinating Center\)](#)

Application Deadline: ***Limited*** Because WSU may only submit one application to each opportunity, *Notices of Intent* to apply must be sent to proposals@wichita.edu by January 17, 2022 at 12noon, in case an internal competition is needed. You will be informed if you have been chosen to proceed by February 7, 2022. Applications to the funder (if selected) will be due by March 7, 2022.

Purpose: “This notice announces the opportunity to apply for funding under the Enhancing Systems of Care for Children with Medical Complexity program. The purpose of this program is to optimize the health, quality of life, and well-being of children with medical complexity (CMC) and their families. The program will accomplish this by funding up to five demonstration projects (HRSA-22-098) to implement and evaluate evidence-informed, patient/family-centered models of care delivery and by funding a coordinating center (HRSA-22-088) to provide support to the demonstration projects in meeting their program objectives, developing and disseminating resources, and providing leadership in the field.”

Amount: Demonstration - \$400,000; Coordinating Center - \$700,000

Funding Agency: National Institute of Standards and Technology (NIST)

Title: [NIST Public Safety Innovation Accelerator Program – 2022 \(PSIAP-2022\)](#)

Application Deadline: January 18, 2022

Purpose: “The NIST Public Safety Innovation Accelerator Program 2022 (PSIAP-2022) is seeking applications to accelerate research and development (R&D) around the use of mission critical voice (MCV), location-based services (LBS), and user interface/user experience (UIUX) for improving public safety communication technologies.”

Amount: \$300,000-\$600,000 per year

Funding Agency: National Science Foundation (NSF)

Title: [Research and Mentoring for Postbaccalaureates in Biological Sciences \(RaMP\)](#)

Application Deadline: January 20, 2022

Purpose: “The Research and Mentoring for Postbaccalaureates (RaMP) in Biological Sciences program invites the submission of proposals to establish networks to support full-time research, mentoring, and training for recent college graduates who have had few or no research or training opportunities during college in research fields typically supported by the Directorate of Biological Sciences (BIO).”

Amount: The solicitation will support RaMP networks to engage 8-12 postbaccalaureate participants per year for 3 years (each award is expected to support a total of approximately 30 postbaccalaureate participants). Each participant will be supported by a stipend of at least \$32,500 per year.

Funding Agency: Amazon Research Awards

Title: [Alexa Fairness in AI](#)

Application Deadline: January 21, 2022

Purpose: “Alexa AI-Natural Understanding’s (NU) mission is to build and enable engaging, world-class conversational AI capabilities that are broadly accessible. Under this call for proposals, we are seeking to fund research projects.”

Amount: Up to \$80,000 and AWS Promotional Credits

Funding Agency: NVIDIA

Title: [Academic Hardware Grants](#)

Application Deadline: January 24, 2022

Purpose: “The NVIDIA Academic Hardware Grant Program endeavors to advance education and research by: Enabling groundbreaking, innovative, and unique academic research projects with world-class computing resources, and Providing educators with a hands-on platform to teach AI, deep learning, and data science to students in any discipline.”

Amount: n/a - Hardware Grant

Funding Agency: National Fish & Wildlife Foundation

Title: [Five Star and Urban Waters Restoration Grant Program](#)

Application Deadline: January 25, 2022

Purpose: “The Five Star and Urban Waters Restoration Program seeks to develop nation-wide community stewardship of local natural resources, preserving these resources for future generations and enhancing habitat for local wildlife. Grants seek to address water quality issues in priority watersheds, such as erosion due to unstable streambanks, pollution from stormwater runoff, and degraded shorelines caused by development.”

Amount: \$20,000-\$50,000

***** LIMITED *** Funding Agency: National Science Foundation (NSF)**

Title: [NSF Scholarships in Science, Technology, Engineering and Mathematics Program \(S-STEM\)](#)

Application Deadline: ***Limited*** Because WSU may only submit one application per each college that awards S-STEM eligible degrees, *Notices of Intent* to apply must be sent to proposals@wichita.edu by January 26, 2022 at 12noon, in case an internal competition is needed. You will be informed if you have been chosen to apply by February 16, 2022. Applications to the funder (if selected) will be due by March 16, 2022.

Purpose: “The main goal of the S-STEM program is to enable low-income, talented domestic students to pursue successful careers in promising STEM fields. Ultimately, the S-STEM program wants to increase the number of low-income students who graduate and contribute to the American innovation economy with their STEM knowledge. Recognizing that financial aid alone cannot increase retention and graduation in STEM, the program provides awards to Institutions of Higher Education (IHEs) to fund scholarships and to adapt, implement, and study effective evidence-based curricular and co-curricular activities that support recruitment, retention, transfer (if appropriate), student success, academic/career pathways, and graduation in STEM.”

Amount: Track 1: \$750,000; Track 2: \$1.5 million; Track 3: \$5 million; Collaborative Planning: \$150,000

Funding Agency: U.S. Economic Development Administration

Title: [FY 2021 American Rescue Plan Act Good Jobs Challenge](#)

Application Deadline: January 26, 2022

Purpose: “This ARPA Good Jobs Challenge NOFO is designed to help get Americans back to work by developing and strengthening regional systems to develop and execute sectoral

partnerships that will lead to well-paying jobs. The goal of regional workforce training systems is to create and implement effective employer-driven training programs that will connect the existing and emerging skills needs of employers with workers and will help workers find and keep quality jobs and advance along their chosen career path. Regional workforce training systems and sectoral partnerships funded under this NOFO should connect employers in an industry with key regional stakeholders, including state and local governmental entities, economic development organizations, workforce development boards, employer-facing organizations, education and training providers, community-based organizations (CBOs), worker-serving organizations (WSOs), and/or labor unions. The system or partnership should be led by a System Lead Entity or Backbone Organization, respectively, serving as an intermediary that has convening power in the region and the capacity to coordinate all necessary stakeholders. EDA also encourages systems and partnerships to address populations with labor market barriers such as persons with disabilities, at-risk youth, individuals in recovery, individuals with past criminal records including justice-impacted and reentry participants, and veterans.”

Amount: \$1,000,000

Funding Agency: Spencer Foundation

Title: [Large Research Grants on Education](#)

Application Deadline: Intent to Apply due January 26, 2022

Purpose: “The Large Research Grants on Education Program supports education research projects that will contribute to the improvement of education, broadly conceived. This program is “field-initiated” in that proposal submissions are not in response to a specific request for a particular research topic, discipline, design, method, or location. Our goal for this program is to support rigorous, intellectually ambitious and technically sound research that is relevant to the most pressing questions and compelling opportunities in education.”

Amount: \$125,000-\$500,000

Funding Agency: Center for Retirement Research at Boston College

Title: [Steven H. Sandell Grant Program](#)

Application Deadline: January 31, 2022

Purpose: “The Center for Retirement Research sponsors the annual Steven H. Sandell Grant Program for scholars in the field of retirement or disability research and policy. The program is funded by the U.S. Social Security Administration to provide opportunities for junior or non-tenured scholars (within seven years of receiving their Ph.D.) from all academic disciplines to pursue cutting-edge projects on retirement or disability issues. Individuals from historically underserved or underrepresented communities are encouraged to apply.”

Amount: \$45,000

Funding Agency: Internal Funding for WSU Faculty - Flossie E. West Memorial Trust

Title: Research Relating to the Study and Cure of Cancer (FY22)

Application Deadline: February 1, 2022

Purpose: “The Flossie E. West Memorial Trust provides support for research relating to the study and cure of cancer. One grant will be awarded for up to approximately \$13,210.70. Priority will be given to projects to develop pilot data for proposals to be submitted to governmental agencies, foundations, or industries. Funds are restricted to WSU faculty project expenses.” Email proposals@wichita.edu for instructions on submitting your application.

Amount: One grant will be awarded for up to approximately \$13,210.70.

Funding Agency: K-INBRE

Title: [Core Facility Support and Recruitment/Start-up Package Awards](#)

Application Deadline: February 1, 2022

Purpose: “Core Facility Awards: This award is for the purpose of providing 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. Recruitment/Start-Up Awards: Recruitment/Start-up packages are for the purpose of assisting in the process of bringing in new faculty to K-INBRE Undergraduate Partner Institutions (UPI) Emporia State University, Fort Hays State University, Haskell Indian Nations University, Langston University, Pittsburg State University, Washburn University, Wichita State University and helping in the establishment of their research laboratories. If possible, K-INBRE will consider applications from the K-INBRE Scientific Partners (KUMC, KU-L and KSU) on a case-by-case basis. Please contact Heiata Chapman, hchapman@kumc.edu prior to submitting an application for a Recruitment Package. Requests are limited to one period of funding.”

Amount: Core: \$10,000 in direct costs; Recruitment: \$25,000 in direct costs

Funding Agency: Internal ARC Funding for WSU Faculty

Title: [Award for Research/Creative Projects \(ARC\)](#)

Application Deadline: February 4, 2022

Purpose: “Award for Research/Creative projects provide salary/fringes of \$3,000 for 2 months, plus \$1,000 for other operating expenses (total of \$4,000) to enable faculty to pursue research or creative projects during the summer. Awardees are expected to resume their teaching in the fall for the next academic year. A faculty member may receive only one of the following in a fiscal year: an ARCS, a University Research/Creative Projects Award (URCA), or a Multidisciplinary Research Project Award (MURPA). Those who accept any summer appointment from their college (for the summer grant period) are ineligible.”

Amount: \$4,000

Funding Agency: National Institutes of Health (NIH)

Title: [Patient-Clinician Relationship: Improving Health Outcomes in Populations that Experience Health Care Disparities \(R01 Clinical Trial Optional\)](#)

Application Deadline: February 5, 2022; June 5, 2022

Purpose: “The purpose of this Funding Opportunity Announcement (FOA) is to support innovative multi-disciplinary and multi-level (e.g., patient, clinician, interpersonal, health care system, community) research designed to understand how optimizing patient-clinician communication and relationship affects health care outcomes in patients from populations with health care disparities. In addition, this initiative will support research to (1) gain an understanding of how the Patient-Clinician Relationship (PCR) in the primary care and chronic disease care settings affects clinical and non-clinical health outcomes in populations that experience health disparities, and (2) identify best practices and interventions that build and improve PCR leading to better health outcomes and increased health equity.”

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

Funding Agency: National Institutes of Health (NIH)

Title: [Addressing Health Disparities among Immigrant Populations through Effective Interventions \(R01 Clinical Trial Optional\)](#)

Application Deadline: February 5, 2022; June 5, 2022

Purpose: “Given the scientific literature documenting health inequities among immigrant populations, this announcement calls for multidisciplinary/multilevel research focusing on the design and implementation of effective interventions that will address immigrant-specific factors to reduce health disparities, particularly among migrant workers, recent and 1st generation immigrants. The intervention research under this FOA should be aimed at

improving the health outcome among immigrant groups by targeting the complex causes or consequences of health disparities. Multi-level interventions that include a combination of individual, group (such as peers, family members, etc.), and/or community-level intervention components have been shown to be effective in improving health outcomes. Therefore, this FOA strongly encourages multi-level interventions (i.e., ranging from individuals to societies) in addressing immigrant health disparities.”

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

Funding Agency: National Institutes of Health (NIH)

Title: [Measures and Methods to Advance Research on Minority Health and Health Disparities-Related Constructs \(R01 Clinical Trial Not Allowed\)](#)

Application Deadline: February 5, 2022

Purpose: “The purpose of this Funding Opportunity Announcement (FOA) is to support research that will advance the measurement and methodology of complex constructs relevant to minority health and health disparities. To identify, explain, and address health disparities and health inequities, measures that accurately capture these disparities and methods for collection and analysis of those measures are necessary. Much of the focus to date on measures and methods for health disparities has been on determining the presence and magnitude of disparities or validating and assessing individual-level social determinants of health. What is needed are measures that can better capture social disadvantage. For example, what is needed are measures and methods for constructs that reflect a complex interplay of cultural, social, and environmental factors that shape an individual’s or population’s lived experience and their impact on health behaviors and outcomes. In particular, methodological approaches are needed to best assess health determinants beyond the individual level, including those at the interpersonal, family, organizational, neighborhood, community, and societal levels (see [NIMHD Research Framework website](#)) as well as methods that integrate health determinants across levels. With the increasing recognition of the importance of incorporating a life course perspective into health disparities research, there is a corresponding need for measures and methods that assess cumulative risk and resilience over time for individuals and population groups. An additional area for measurement and methods development is related to intersectionality, specifically understanding the lived experience and health impacts of belonging to more than one socially disadvantaged or marginalized population. Across these areas of particular importance is understanding the scientific utility of using comprehensive, granular measures (e.g., assessing every dimension of a construct or every occurrence of a specific phenomenon) versus more global, holistic measures with respect to the usefulness of information they produce, the usability of the data, resources required to analyze them, respondent acceptability and burden, and population relevance. Methods of data collection that are accessible and suitable for populations that experience health disparities are needed as are methods for analysis of measures collected at multiple levels.”

Amount: Application budgets are limited to \$500,000 direct costs annually, not including consortium F&A costs.

Funding Agency: WSU Regional Institute on Aging

Title: [Funding Opportunity for Faculty: Intergenerational Teaching Modules](#)

Application Deadline: February 7, 2022

Purpose: “The Regional Institute on Aging provides various funding opportunities, primarily as internal grants for WSU faculty. The primary purpose of this funding is to assist faculty members in their scholarly and/or creative activities and to foster the generation and application of scholarly work aimed at improving the quality of life of older adults. General inquiries and open requests for funding can be made by contacting the current director: Professor Carryl Baldwin via email at Carryl.Baldwin@wichita.edu.”

Amount: \$2,000 for development, \$2,000 for delivery

Funding Agency: National Institutes of Health (NIH)

Title: [Technology Development to Reduce Health Disparities \(RO1 Clinical Trial Optional\)](#)

Application Deadline: February 11, 2022; January 26, 2023; January 26, 2024

Purpose: “This Funding Opportunity Announcement (FOA) encourages grant applications to develop and translate medical technologies aimed at reducing disparities in healthcare access and health outcomes. Appropriate medical technologies should be effective, affordable, culturally acceptable, and deliverable to those who need them.”

Amount: \$500,000 per year in direct costs

Funding Agency: Kansas NASA EPSCoR

Title: [2022 NASA EPSCoR Rapid Response Research \(R3\) Proposals](#)

Application Deadline: February 15, 2022 at noon

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). Kansas can only submit one NASA proposal per technical area. Therefore, KNEP will carefully review and select proposals for final NASA submission based on criteria clearly identified in the CAN announcement. Your proposal title should distinctly note the targeted technical area.”

Amount: \$100,000 with no cost sharing requirements

Funding Agency: National Institutes of Health (NIH)

Title: [New Investigators to Promote Workforce Diversity in Genomics, Bioinformatics or Bioengineering and Biomedical Imaging Research \(R01 Clinical Trial Optional\)](#)

Application Deadline: February 22, 2022

Purpose: “This Funding Opportunity Announcement (FOA) solicits R01 grant applications that propose independent research projects that are within the scientific mission areas of the National Human Genome Research Institute (NHGRI), National Institute of Biomedical Imaging and Bioengineering (NIBIB), and All of Us Research Program (All of Us). This program is intended to support Early-Stage Investigators and New Investigators from diverse backgrounds, including those from groups underrepresented in the health-related sciences.”

Amount: Application budgets are allowed up to \$500,000 in direct costs per year. Budgets should reflect the actual needs of the proposed project.

Funding Agency: National Science Foundation (NSF)

Title: [Understanding the Rules of Life: Emergent Networks \(URoL:EN\)](#)

Application Deadline: March 1, 2022

Purpose: “The Understanding the Rules of Life: Predicting Phenotype "Big Idea" is based on developing a predictive understanding of how key properties of living systems emerge from interactions of factors such as genomes, phenotypes, and evolving environments. Ideally, the predictive capability of the Rules of Life explored by projects supported by the program will enable us to address some of the greatest challenges we currently face in understanding the living world. This Understanding the Rules of Life: Emergent Networks (URoL:EN) solicitation is a cross-directorate program of NSF that aims to develop a predictive understanding of how key properties of living systems emerge from interactions of factors such as genomes, phenotypes, and environments and how emerging networks of organismal, natural, social, and/or human-engineered systems respond to or influence evolving environments. Successful projects of the URoL:EN program are expected to use convergent approaches that explore emergent network properties of living systems across various levels of organizational scale and, ultimately, to contribute to understanding the rules of life through new theories and reliable predictions about the impact of specific environmental changes on behaviors of complex living systems, or engineerable interventions and technologies based on a rule of life to address associated outcomes for societal benefit. Projects that advance all of the different fields of science represented in the project and that represent different NSF Directorates are strongly encouraged.”

Amount: The URoL:EN Program will support projects with a total budget of up to \$3,000,000 and an award duration of up to 5 years.

Funding Agency: National Institutes of Health (NIH)

Title: [Understanding Place-Based Health Inequalities in Mid-Life \(R01 Clinical Trial Not Allowed\)](#)

Application Deadline: March 3, 2022

Purpose: “The purpose of this Funding Opportunity Announcement (FOA) is to support research that uncovers potential modifiable explanations about how “places” (e.g., countries, US Census regions, states, counties, neighborhoods, and locations across the urban-rural continuum) are related to morbidity and mortality among middle-aged adults in order to inform policy responses to address poor mid-life health and health disparities. Specifically, this FOA will support studies that: 1) clarify social, economic, behavioral, and institutional explanations for place-based health disparities (levels and trends), 2) examine intersections between place and sociodemographic characteristics (e.g., gender, race, ethnicity) to better understand and address processes driving other health disparities, and/or 3) include data collection and data enhancements to support 1 and 2.”

Amount: Application budgets are limited to \$400,000 per year in direct costs and need to reflect the actual needs of the proposed project.

Funding Agency: WSU Regional Institute on Aging

Title: [Funding Opportunity for Faculty: Research Awards](#)

Application Deadline: March 21, 2022

Purpose: “The Regional Institute on Aging provides various funding opportunities, primarily as internal grants for WSU faculty. The primary purpose of this funding is to assist faculty members in their scholarly and/or creative activities and to foster the generation and application of scholarly work aimed at improving the quality of life of older adults. General inquiries and open requests for funding can be made by contacting the current director: Professor Carryl Baldwin via email at Carryl.Baldwin@wichita.edu.”

Amount: \$5,000-\$20,000 for 12-month projects

Funding Agency: National Academies: Gulf Research Program

Title: [Early-Career Research Fellowship: Environmental Protection and Stewardship Track](#)

Application Deadline: May 4, 2022

Purpose: “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 2022-2024 Application Cycle, the Environmental Protection and Stewardship track goal focuses on advancing scientific knowledge and its application to predict and prepare for ecosystem changes in the Gulf of Mexico and its coastal zones as the region navigates a changing climate and energy transition.”

Amount: \$76,000

Funding Agency: National Academies: Gulf Research Program

Title: [Early-Career Research Fellowship: Offshore Energy Safety Track](#)

Application Deadline: August 24, 2022

Purpose: “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 2022-2024 Application Cycle, the Offshore Energy Safety track goal focuses on contributing to the understanding, management, and reduction of systemic risk in offshore energy activities.”

Amount: \$76,000

Funding Agency: National Academies: Gulf Research Program

Title: [Early-Career Research Fellowship: Education Research Track](#)

Application Deadline: August 24, 2022

Purpose: “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 2022-2024 Application Cycle, the Education Research track goal focuses on contributing to the advancement of K-12 educational equity related to science and environmental literacy in the Gulf of Mexico region or Alaska by considering the recent impact of disasters on educational opportunities for students in vulnerable communities.”

Amount: \$76,000

Funding Agency: Adobe

Title: [Data Science Research Awards](#)

Application Deadline: ongoing

Purpose: “Every year, Adobe funds a university faculty research program to promote the understanding and use of data science in the area of marketing. Our goal is to encourage both the theoretical and empirical development of solutions to problems in marketing. Each proposal will address an area of interest relative to Adobe Experience Cloud. The comprehensive set of cloud services gives businesses access to an integrated set of solutions to build campaigns, manage advertising, and gain deep intelligence about the business. It’s everything a company needs to drive brand growth and orchestrate an amazing customer experience.”

Amount: \$50,000

Funding Agency: National Institute of Standards and Technology (NIST)

Title: [Measurement Science and Engineering \(MSE\) Research Grant Programs](#)

Application Deadline: ongoing

Purpose: “NIST is soliciting applications for financial assistance for Fiscal Year 2021 (FY21) within the following NIST grant programs: Associate Director for Innovation and Industry Services (ADIIS); Associate Director for Laboratory Programs (ADLP); Communications Technology Laboratory (CTL); Engineering Laboratory (EL); Fire Research (FR); Information Technology Laboratory (ITL); the International and Academic Affairs Office (IAAO); Material Measurement Laboratory (MML); NIST Center for Neutron Research (NCNR); Physical Measurement Laboratory (PML); Special Programs Office (SPO); and Standards Coordination Office (SCO).” See the NOFO for more detailed information about each area’s research interests.

Amount: Varies by program

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, 2022

[Archaeology and Archaeometry](#) – July 1 and December 20 annually

[Astronomy and Astrophysics](#) – Oct 1-Nov 15, 2022

[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](#) – Sept & Oct - varies based on discipline
[Computational & Data-Enabled Science and Engineering](#) – Sept 1-30, 2022
[Cultural Anthropology](#) – Aug 15 and Jan 15 annually
[Ecology and Evolution of Infectious Diseases](#) – Nov 16, 2022
[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 5, 2022
[Methodology, Measurement, and Statistics](#) – Jan 27 & Aug 25, 2022
[Molecular and Cellular Biosciences](#) – proposals accepted anytime
[Physics](#) – Nov & Dec – varies by topic
[Secure & Trustworthy Cyberspace](#) – Sept 30, 2022
[Security and Preparedness](#) – Jan 15 and Aug 15 annually
[Social Psychology](#) – Jan 15 and Jul 15 annually
[Sociology](#) – Jan 15 and Aug 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
[Computer Science for All \(CS for All\)](#) – Feb 9, 2022
[Division of Chemistry: Disciplinary Research Programs \(CHE-DRP\)](#) – Oct 31, 2022 for CMI, CLP, ECS and MSN; Sept 30, 2022 for CAT, CSDM-A, CSDM-B, CTMC, SYN
[Division of Materials Research: Topical Materials Research Program](#) – accepted anytime
[Division of Physics: Investigator-Initiated Research Projects](#) – Nov/Dec 2021
[Earth Sciences: Instrumentation and Facilities Program](#) – accepted anytime
[Ethical and Responsible Research \(ER2\)](#) – Feb 22 annually
[Expeditions in Computing](#) – Varies by topic
[Human-Environment and Geographical Sciences Program \(HEGS\)](#) – Jan 18, 2022 and August 16, 2022

[Industry-University Cooperative Research Centers Program \(IUCRC\)](#) – Preliminary Proposals due Mar 9, 2022

[Mathematical Sciences Infrastructure Program](#) – May 10, 2022

[Partnerships for Innovation \(PFI\)](#) – Jan 12, 2022 and July 13, 2022

[Robert Noyce Teacher Scholarship Program](#) – Aug 30, 2022

[Research Experiences for Undergraduates \(REU\)](#) – Aug 24, 2022

[Research Experiences for Teachers \(RET\) in Engineering and Computer Science](#) – Oct 12, 2022

[Smart Health and Biomedical Research in the Era of Artificial Intelligence and Advanced Data Science](#) – Nov 10, 2022

EDUCATION / TRAINING

Introduction to the WSU Office of Research Workshops

Topics include WSU Office of Research resources and contact, WSU policies and procedures related to research, finding funding, project budgeting and grant-writing tips. Previously recorded workshops can also be found on the Office of Research website.

[See the list of upcoming workshops and sign up to attend](#)

National Science Foundation (NSF) Division of Materials Research (DMR) Webinar on the NSF Major Research Infrastructure (MRI) Funding Opportunity: December 16, 2021

NSF's Division of Materials Research (DMR) will host a webinar discussing the Major Research Infrastructure (MRI) solicitation, which can be viewed at [NSF 18-513](#). The webinar is scheduled for Thursday, December 16th from 2:00 pm to 3:30 pm EST.

[Register for NSF MRI Webinar](#) hosted by NSF DMR

EDA's Expert Panel Discussion about the Good Jobs Challenge: December 17, 2021

The EDA's American Rescue Plan \$500 million [Good Jobs Challenge](#) aims to connect Americans with the training opportunities they need to develop in-demand skills that lead to good jobs and long-term careers. EDA is seeking applications that will build and strengthen industry-led partnerships with a focus on removing barriers to training, particularly for those workers hit hardest by the pandemic, including women and communities of color. In advance of the Good Jobs Challenge program deadline, EDA continues to provide resources and technical assistance for applicants to enhance their proposals. On Friday, December

17th, Assistant Secretary Alejandra Castillo will host a session focusing on employer engagement and sectoral partnership strategies.

[Register for EDA's Expert Panel Discussion](#) on the Good Jobs Challenge

National Science Foundation (NSF) Partnerships for Innovation Webinar Series: January 4, 2022

Scientists and engineers increase the impact of their NSF-funded research discoveries by developing their technology into a prototype or proof-of-concept through the [Partnerships for Innovation \(PFI\) program](#), one of NSF's technology translation programs. The next proposal submission deadline is in early January 2022. Learn more about the program and how to apply by joining an upcoming webinar.

[Register for an NSF Partnership for Innovation Webinar](#)

Johns Hopkins Medicine Webinar Series: Advances in ImmunoEngineering Fundamentals and Cutting Edge Advances: January 4 through January 27, 2022

The field of ImmunoEngineering combines the diverse and complex fields of engineering and immunology and is transforming patient treatment in cancer, autoimmunity, regeneration, and transplantation. There is a significant need for training of engineers in immunology and for training immunologists in quantitative engineering techniques. Moreover, there is need to bridge basic immunological discoveries with advances in clinical application. This course will review the fundamentals of the immune system and its components, engineering strategies to modulate the immune system, and clinical applications. The course is designed for graduate students and senior undergraduates, medical students, residents, and fellows in engineering, immunology, and related fields. Engineering and clinical faculty and members of industry will benefit from the course in fundamental immunology education and immunoEngineering advances.

[Register for free John Hopkins Translational ImmunoEngineering Workshop](#)

HSI Hispanic Serving Institutions STEM Hub: Fall & Winter 2021-2022 Grant Writer Webinar Series: January 7, 2022

The NSF HSI STEM Resource Hub hosts grantsmanship webinars to support grant writing efforts for those planning on writing their first grant or engaged in writing a grant for submission. The Fall 2021 Grant Writer Webinar Series features speakers and panelists from the National Science Foundation for sharing important information for writing a competitive NSF grant. Dr. Martha Desmond and Dr. Delia Valles are the hosts for this series. The HSI STEM Hub recommends participation in these webinars if you are currently writing a proposal or are interested in grant writing. Several topics will be presented through

the semester; the topic on January 7, 2022 is on Opportunities with S-STEM and the Two-Year College Program.

[Register for Upcoming HSI STEM Hub Webinars](#)

National Science Foundation (NSF) Webinar: Understanding the Rules of Life: Emerging Networks Solicitation: January 7, 2022

Join the U.S. National Science Foundation (NSF) Friday, January 7, 2022 from 2:30 p.m. – 3:30 p.m. ET for a webinar on the revised solicitation, Understanding the Rules of Life: Emerging Networks (URoL:EN, NSF 22-532). Program Officers will provide an introduction of the revised cross-Directorate solicitation and representatives from the program will be available for questions. As part of the Understanding the Rules of Life: Predicting Phenotype, one of ten “Big Ideas” NSF-wide, this revised solicitation builds on previous URoL programs to help increase knowledge and the ability to predict an organism’s observable characteristics—its phenotype—from its genotype. Understanding the mechanisms at play in the interconnections between living organisms and their environments, across every biological scale, will provide vital insight into grand biological challenges, help advance biotechnology to spur the US bioeconomy, and aid in solving some of society’s issues, including the growing impacts of infectious disease and climate change. Investigators from across the biological sciences are encouraged to submit proposals in concert with researchers in other disciplines, including the mathematical and physical sciences, geosciences, computer and information sciences, engineering, and behavioral and social sciences.

[Register for NSF Webinar on URoL:EN Solicitation](#)

Office of Victims of Crime Training and Technical Assistance Center Webinar: Planning for Sustainability, Diversifying Funding and Writing Complex Grants: January 12 and January 19, 2022

Victim serving organizations often struggle with fluctuating funding sources and levels of support. The first session in this series will explore two critical domains of sustainability planning—effective resource and partnership development—and will help participants apply strategies that build strong support for their programs, potentially leading to new funding opportunities. Participants will begin to create a diversified funding plan framework, which will include new approaches for expanding a potential donor/funder pool. The second session will explore the essential ingredients of complex grant applications: compelling statements of need, detailed budget justifications aligned with project goals and objectives, and quality outcome measures. Implementing these plans and using these tools will improve the odds of success in finding strategic and sustainable funding.

[Register for OVC Webinars](#)

Kansas INBRE (K-INBRE) Virtual Symposium: January 13 – 14, 2022

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 K-INBRE Virtual Symposium](#)

Justice Counts: Safety and Justice Deserve Better Data National Launch: January 26, 2022

Policymakers are often forced to make critical decisions about the safety of their constituents using limited or stale criminal justice data. But access to clean, updated data is essential to charting a path to safer, more equitable communities. Our national event, Safety and Justice Deserve Better Data: Justice Counts National Launch, will explore the significant shortcomings of data in the criminal justice system and introduce a bold solution comprising an unprecedented coalition of partners committed to creating a stronger information infrastructure for the justice system: Justice Counts.

[Register](#) for the Justice Counts Livestream Event; [Justice Counts website](#)

ORAU 2022 Annual Meeting of the Council of Sponsoring Institutions: March 7-8, 2022

Registration is now open for the 2022 Annual Meeting of the ORAU Council of Sponsoring Institutions. The theme for this year’s meeting is ***Public Health Security and Innovation: Lessons Learned from COVID-19***. Your participation will provide an opportunity for you and your colleagues to discuss key technology, economic, and policy challenges and opportunities. The 2022 Annual Meeting will be held virtually over two days. Sessions will begin on Monday, March 7, and conclude on Tuesday, March 8. Advance registration is required before February 28, 2022. There is no registration fee to attend, and no limit on the number of university representatives wishing to attend.

[Register for ORAU 2022 Annual Meeting](#)

Innovations in Climate Resilience Conference: March 29 – 30, 2022

The Conference on Innovations in Climate Resilience, presented by Battelle in collaboration with DOE National Laboratories, offers a curated technical program with invited keynote presentations, platform and lightning talks and a poster reception. We’re expecting an audience of government leaders, entrepreneurs and innovators to explore breakthroughs in technology, science, policy and infrastructure that will help mitigate the threats to our environment, health, communities, national security and economic well-being from a changing climate.

[Innovations in Climate Resilience Conference Website](#)

U.S. Department of Energy's Advanced Manufacturing Office Free Webinars

October was Energy Awareness Month and to celebrate the Advanced Manufacturing Office (AMO) hosted a series of free webinars in partnership with the Better Plants program. These webinars offered strategies to master facility energy use, best practices from energy efficiency goal achievers, and the latest tools from AMO for manufacturers across the industrial sector. We invite you to watch one or all the webinars in the series. The Better Plants team has also prepared helpful documents to accompany each webinar and provide expanded content on each topic. The webinar topics include: The Quick Start Guide to Saving Energy for Small to Medium Manufacturers; The Updated Energy Intensity Baseline and Tracking Guide; Understanding Your Electricity Bills; Understanding Your Natural Gas Bills; Understanding Your Water Bills; Lessons Learned from Goal Achievers.

Watch the Department of Energy's Advanced Manufacturing Office's [Energy Awareness Webinars](#)

2021 PCORI Annual Meeting Session: Giving Voice to Community Experience through Research

The 2021 PCORI Virtual Annual Meeting offered a chance to connect and hear from stakeholders like Mayra E. Alvarez, MHA, president of The Children's Partnership, who shares her thoughts on how PCORI can make contributions to advance health equity. Videos of all sessions are now available free on demand (registration required).

[View PCORI Session](#)

XSEDE Courses

Extreme Science and Engineering Discovery Environment (XSEDE) is a virtual collaboration funded by the National Science Foundation that facilitates free, customized access to advanced digital resources, consulting, training, and mentorship. XSEDE helps the nation's most creative minds discover breakthroughs and solutions for some of the world's greatest scientific challenges. Upcoming events include "Parallel Computing Concepts" on January 20, 2022.

Check for upcoming courses on the [XSEDE Course Calendar](#)

IMPORTANT ANNOUNCEMENTS

National Science Foundation (NSF) Important Notice. Improving Compliance with NSF Project Reporting Requirements.

The National Science Foundation is requesting assistance from Presidents of Universities and Colleges, among others, to improving compliance with NSF project reporting requirements in a timely manner.

Read the [NSF Notice on Compliance with Project Reporting Requirements](#)

National Institutes of Health (NIH) Notice of Special Interest: Epidemiology and Prevention of Alcohol Misuse in Understudied Young Adult Populations; Military, Workforce, and Community College

The purpose of this future grant application solicitation is to balance the National Institute on Alcohol Abuse and Alcoholism (NIAAA) research portfolio by supporting research on alcohol misuse among persons aged 18 to 29 who are not enrolled in four-year colleges or universities. These persons are commonly in the military, workforce, or community college populations, which are understudied relative to their age peers in four-year colleges. Research on epidemiology, prevention, and screening centered on these understudied populations are all encouraged.

Read the [NIH Notice of Special Interest](#)

Pre-Announcements for the Department of Defense programs managed by the office of Congressionally Directed Medical Research Programs (CDMRP)

The CDMRP has released fiscal year 2022 pre-announcements for anticipated funding under the Amyotrophic Lateral Sclerosis Research Program (ALSRP) and the Peer-Reviewed Epilepsy Research Program (ERP). Please watch these websites for additional information about the anticipated funding opportunities.

Amyotrophic Lateral Sclerosis Research Program (ALSRP) [Pre-Announcement](#)
Peer Reviewed Epilepsy Research Program (ERP) [Pre-Announcement](#)

ORAU Partnership for Public Service

The Partnership for Public Service has launched a new program to increase access to talent through the Intergovernmental Personnel Act (IPA) Talent Exchange Program. The IPA enables experienced professionals from outside government—including academia and nonprofit organizations—to serve in the federal government for up to two years without going through the traditional federal hiring process. This exchange program standardizes the process for recruiting, onboarding, and managing IPAs to get candidates approved and placed in federal agencies quickly and efficiently. Candidates will apply to serve in an IPA

assignment that aligns with their work, and the Partnership will identify potential agency placement opportunities, matched to a candidate's experience.

[ORAU Partnership for Public Service webpage](#)

FREE WSU Office of Research Services

Email 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;
- Subscribe to funding announcements and funding-related alerts; and
- 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

Wichita State University Office of Research

<https://www.wichita.edu/research/>

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