



WICHITA STATE
UNIVERSITY
OFFICE OF RESEARCH

INSIDE RESEARCH & Funding Opportunities

News, Events and Resources for the WSU Research Community

[AWARDS](#)

[FUNDING OPPORTUNITIES](#)

[EDUCATION/TRAINING](#)

November 17, 2021

Congratulations to those who received grants in October! The Office of Research thanks you for your creativity, diligence, and resilience in seeking funding and managing your grants. We wish you a joyous Thanksgiving with friends and family.

Coleen Pugh, Vice Provost for Research

AWARDS

IMPROVING FLAME RETARDANCY OF FIBER REINFORCED COMPOSITES VIA MODIFIED FIRE-RESISTANT RESINS AND METALLIC SURFACE FILM COATINGS

PI/Department: Ramazan Asmatulu, Mechanical Engineering

Co-PI/Department: Eylem Asmatulu, Mechanical Engineering

Sponsor: TAI USA, Inc.

Amount: \$125,000

MYOPALLADIN'S ROLE IN CARDIAC MUSCLE FUNCTION AND DISEASE

PI/Department: Moriah Beck, Chemistry

Sponsor: Natl Institutes of Health

Amount: \$428,473

BUILDING TMF CAPACITY FOR SMALL PUBLIC WASTEWATER SYSTEMS

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

Sponsor: University of New Mexico / Environmental Protection Agency

Amount: \$95,000

WICHITA STATE ENVIRONMENTAL FINANCE CENTER - MOD #D

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

Sponsor: Environmental Protection Agency

Amount: \$378,500

HEARTLAND WORKFORCE SOLUTIONS, INC. PROGRAM EVALUATION

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

Sponsor: Heartland Workforce Solutions, Inc. / Department of Labor

Amount: \$8,978

HEARTLAND WORKFORCE SOLUTIONS, INC. PROGRAM EVALUATION PROPOSAL

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

Sponsor: Heartland Workforce Solutions, Inc. / Department of Labor

Amount: \$17,957

AGING STUDIES STUDENT ORGANIZATION: WSU BEATS THE VIRUS

PI/Department: Amy Chesser, Public Health Sciences

Sponsor: Kansas Leadership Center

Amount: \$1,500

DEFENSE MANUFACTURING COMMUNITY SUPPORT PROGRAM

PI/Department: Debra Franklin, Strategic Initiatives

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

Sponsor: Department of Defense

Amount: \$5,000,000

WICHITA ENTREPRENEURSHIP COALITION

PI/Department: Debra Franklin, Strategic Initiatives

Co-PI/Department: Robert Gerlach, Tech Transfer & Commercialization | Jeremy Patterson, Interdisciplinary Innovation

Sponsor: Economic Development Administration

Amount: \$750,000

SMALL MOLECULE INHIBITORS AGAINST 3C-LIKE PROTEASE OF SARS-COV-2

PI/Department: William Groutas, Chemistry

Sponsor: Kansas State University / Natl Institutes of Health

Amount: \$218,910

FW-HTF-P: HUMAN-AGENT TEAMING FOR THE FUTURE OF WORK IN AIRCRAFT MANUFACTURING

PI/Department: Hongsheng He, School of Computing

Co-PI/Department: Enkhsaikhan Boldsaikhan, Industrial & Manufacturing Eng | Saideep Nannapaneni, Industrial & Manufacturing Eng | Gamal Weheba, Industrial & Manufacturing Eng | Yimesker Yihun, Mechanical Engineering

Sponsor: Natl Science Foundation

Amount: \$149,965

MCAIR POSTBACCALAUREATE ACHIEVEMENT PROGRAM

PI/Department: Lawanda Holt-Fields, Ed - Ronald E. McNair Program

Sponsor: Department of Education - US

Amount: \$293,316

FAA SAFETY CASE METHODOLOGY - MOD 01

PI/Department: Robert Huculak, NIAR-Crash Dynamics

Co-PI/Department: Marcus Pyles, NIAR-Crash Dynamics | Seth Stednitz, NIAR-Crash Dynamics

Sponsor: University of Alabama - Huntsville / Federal Aviation Administration

Amount: \$11,400

WEBSITE DEVELOPMENT

PI/Department: Amy Jones, Ennovar/Training & Technology Team

Sponsor: ABI Construction LLC

Amount: \$2,000

HICAM (ASTM) MATERIAL TESTING

PI/Department: Matthew Opliger, NIAR-Composites & Structures

Sponsor: Natl Aeronautics & Space Admn

Amount: \$40,397

TRIO TALENT SEARCH - SOUTH

PI/Department: Larry Ramos, Ed - Talent Search Program

Sponsor: Department of Education - US

Amount: \$277,375

AMTC-20-02-053: NEXT GENERATION MATERIALS FOR MISSILE APPLICATIONS - MOD 01

PI/Department: John Tomblin, NIAR-Composites & Structures

Co-PI/Department: Rachael Andrulonis, NIAR-Composites & Structures

Sponsor: Advanced Technology International / Department of Defense

Amount: \$15,732,546

AMTC-20-02-053; NEXT GENERATION MATERIALS FOR MISSILE APPLICATIONS

PI/Department: John Tomblin, NIAR-Composites & Structures

Co-PI/Department: Rachael Andrulonis, NIAR-Composites & Structures

Sponsor: Advanced Technology International / Department of Defense

Amount: \$1,306,364

CPO05 HELICOPTER EMERGENCY OIL SYSTEM SORE 26

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

Co-PI/Department: Patrick Cyrus, FirePoint Innovations - Aerospace

Sponsor: US Army Research Office

Amount: \$1,778,564

INNOVATION AND COLLABORATION PROGRAM, CPO 0005

PI/Department: John Tomblin, FirePoint Innovations - Aerospace

Co-PI/Department: Patrick Cyrus, FirePoint Innovations - Aerospace

Sponsor: US Army Research Office

Amount: \$9,230,769

KANSAS SBA FAST INITIATIVE

PI/Department: John Tomblin, Strategic Initiatives Aerospace

Co-PI/Department: Debra Franklin, Strategic Initiatives

Sponsor: Small Business Administration

Amount: \$125,000

M113 DIGITAL TWIN

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

Co-PI/Department: Shawn Ehrstein, NIAR-CAD/CAM | Melinda Laubach-Hock, Nat'l Institute for Aviation Res

Sponsor: US Army Contracting Command

Amount: \$10,600,000

WISU ADMINISTRATIVE PROGRAM MANAGEMENT YEAR 6 - PM027

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

Sponsor: Federal Aviation Administration

Amount: \$200,000

MULTIMARKET EXIT, MERGER AND COLLUSION: THEORY AND EXPERIMENTS

PI/Department: Siyu Wang, Economics

Sponsor: Indiana State University

Amount: \$3,940

HYDROPHOBIC CARBON NANOSHEETS AS PASSIVATION LAYER FOR PEROVSKITE SOLAR CELL WITH HIGH EFFICIENCY AND STABILITY

PI/Department: Wei Wei, Mechanical Engineering

Sponsor: Department of Energy

Amount: \$500,000

COMMUNITY HEALTH ACCESS SECTION PROFESSIONAL DEVELOPMENT WORKSHOPS

PI/Department: Scott Wituk, Community Engagement Institute

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

Amount: \$10,000

COVID RESPONSE ELC SUPPORT FY22-FY23

PI/Department: Scott Wituk, Community Engagement Institute

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

Amount: \$171,003

GRANT ADMINISTRATION

PI/Department: Scott Wituk, Community Engagement Institute

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

Amount: \$3,251,495

KANSAS TOBACCO CONTROL PROGRAM

PI/Department: Scott Wituk, Community Engagement Institute

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

Amount: \$39,000

KIDS ARE GOOD BUSINESS SYSTEM ENHANCEMENTS

PI/Department: Scott Wituk, Community Engagement Institute

Sponsor: Kansas Childrens Service League

Amount: \$4,490

SEDGWICK COUNTY COMMUNITY LEADERS CONVERSATION

PI/Department: Scott Wituk, Community Engagement Institute

Sponsor: Sedgwick County Division Of Finance

Amount: \$7,874

STRATEGIC PLANNING

PI/Department: Scott Wituk, Community Engagement Institute

Sponsor: InterHab, Inc.

Amount: \$3,200

WEST WICHITA GEAR UP (YEAR 5)

PI/Department: Janice Wright, Ed-GEAR-UP

Sponsor: Department of Education-US

Amount: \$740,000

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!**

*****LIMITED*** Funding Agency: U.S. HHS: Health Resources & Services Administration**

Title: [Family-to-Family Health Information Centers](#)

Application Deadline: *****Limited***** Because WSU may only submit one application, Notices of Intent to apply must be sent to proposals@wichita.edu by at 12noon on November 19, 2021, in case an internal competition is needed. You will be informed if you have been chosen to proceed by December 8, 2021. Applications to the funder (if selected) will be due by January 5, 2022.

Purpose: "This notice announces the opportunity to apply for funding under the Family-to-Family Health Information Centers (F2F HICs) Program. The purpose of this program is to provide information, education, technical assistance, and peer support to families of children and youth with special health care needs (CYSHCN) and the professionals who serve them. This program will fund one F2F HIC in each of the 50 states."

Amount: \$96,750

Funding Agency: Trusted CI: The NSF Cybersecurity Center of Excellence

Title: [Open Science Cybersecurity Fellows Program](#)

Application Deadline: November 19, 2021

Purpose: “The vision for the Fellows program is to identify members of the scientific community, empower them with basic knowledge of cybersecurity and an understanding of Trusted CI’s services, and then have them serve as cybersecurity liaisons to their respective communities. They then assist members of the community with basic cybersecurity challenges and connect them with Trusted CI for advanced challenges.”

Amount: Trusted CI selects six fellows each year. Fellows will receive recognition, cybersecurity professional development consisting of training and travel funding. The Fellows’ training consists of a Virtual Institute, providing 20 hours of basic cybersecurity training over six months.

Funding Agency: Kansas NSF EPSCoR

Title: [MAPS First Awards: Research in Microbiomes across Aquatic, Plant and Soil Systems](#)

Application Deadline: Letter of Intent due November 22, 2021; Full proposals (by invitation only) will be due January 13, 2022

Purpose: “Kansas NSF EPSCoR helps Kansas build its research capacity and competitiveness in science and technology. The First Award program helps early career faculty become competitive for funding from the research directorates at the National Science Foundation by: 1) encouraging early career faculty to submit proposals to the NSF (or other federal funding agency) as soon as possible after their first faculty appointment, and 2) by accelerating the pace of their research and the quality of their subsequent proposals. First Awards are intended to be single-investigator awards to support the PI’s research program at their institution. The inclusion of Co-PIs, other senior personnel and subawards to other institutions is prohibited.”

Amount: \$100,000 in direct costs

Funding Agency: American Diabetes Association

Title: [Research Program – RFA: Leveraging Nutrition and Lifestyle for Diabetes Prevention Across the Life Span](#)

Application Deadline: Letter of Intent due November 22, 2021; Full Application due March 7, 2022

Purpose: “The goal of this RFA is to identify person-centered, yet scalable, dietary and lifestyle interventions with the greatest potential for adoption and maintenance of diabetes-preventing or diabetes-mitigating lifestyles by individuals at greatest risk. The breakdown of targeted grant types is: Innovative Clinical or Translational Science, Junior Faculty Development, and Postdoctoral Fellowship Awards.”

Amount: \$138,000/year - \$200,000/year

*****LIMITED*** Funding Agency: Camille & Henry Dreyfus Foundation**

Title: [2022 Camille Dreyfus Teacher-Scholar Awards Program](#)

Application Deadline: ***LIMITED*** Because WSU may only nominate one faculty member per year, *Notices of Intent* to apply must be sent by November 24, 2021 at 12noon in case an internal competition is needed. You will be notified if you have been chosen to apply by December 17, 2021. Applications to the funder (if selected) will be due by February 2, 2022.

Purpose: "The program supports the research and teaching careers of talented young faculty in the chemical sciences in departments that grant a doctoral degree."

Amount: \$100,000

Funding Agency: Environmental Research & Education Foundation

Title: [General RFP addressing integrated solid waste management](#)

Application Deadline: Pre-Proposals due December 1, 2021 and May 1, 2022

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: Previously awarded grants have ranged from \$15,000 to over \$500,000 with the average grant amount in recent years being \$160,000. Typical project durations are about 2 years.

Funding Agency: ACI Foundation

Title: [Concrete Research Council Grant Proposal](#)

Application Deadline: December 1, 2021 (repeats yearly)

Purpose: "The CRC mission is to advance the knowledge and sustainable aspects of concrete materials, construction, and structures by soliciting and selecting research proposals, assisting in financing them, and publishing results, in coordination with ACI technical committees."

Amount: \$50,000 in direct costs

Funding Agency: Kansas IDeA Network of Biomedical Research Excellence (K-INBRE)

Title: [FACULTY AWARDS: Bridging Grants, Partnerships for Translational Research Training Awards, and Postdoctoral Awards](#)

Application Deadline: December 1, 2021

Purpose: “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**. The program brings together NIH-funded mentors, trainees, and promising new investigators from each of the three Scientific Partner Institutions to drive forward a major statewide initiative to build Kansas strength in this critical life sciences research area.”

Amount: Budgets for Bridging Grants- R01 -\$40,000/direct costs, R21 -\$25,000/direct costs; Partnerships for Translational Research Training-\$50,000/direct costs; Postdoctoral Awards -\$25,000/direct costs for one period of funding

*** LIMITED *** Funding Agency: Mary Kay Ash Foundation

Title: Innovative/Translational Cancer Research Grant

Application Deadline: ***Limited*** Because WSU may only submit one application, *Notices of Intent* to apply must be sent to proposals@wichita.edu by December 3, 2021 at 12noon, in case an internal competition is needed. You will be informed if you have been chosen to proceed by January 7, 2022. Applications to the funder (if selected) will be due by February 4, 2022.

Purpose: “The Mary Kay Ash Foundation, a funding source for cancer research, is currently accepting applications for innovative grants for translational research for cancers affecting women, including but not limited to ovarian, uterine, breast and/or cervical cancer.” Contact proposals@wichita.edu to receive a copy of the solicitation for review.

Amount: \$100,000

Funding Agency: National Endowment for the Humanities (NEH)

Title: [Sustaining Cultural Heritage Collections](#)

Application Deadline: Optional Draft due December 9, 2021; Full Application due January 13, 2022

Purpose: “The Sustaining Cultural Heritage Collections program helps cultural institutions meet the complex challenge of preserving large and diverse holdings of humanities materials for future generations by supporting sustainable conservation measures that

mitigate deterioration, prolong the useful life of collections, and support institutional resilience: the ability to anticipate and respond to disasters resulting from natural or human activity.”

Amount: Planning: \$50,000; Implementation: \$350,000

Funding Agency: Autism Speaks

Title: [Research on Central Auditory Processing Disorders RFA](#)

Application Deadline: Letter of Intent due December 14, 2021; Full (if invited) due February 16, 2022

Purpose: “Autism Speaks, with generous support from the Royal Arch Research Assistance, anticipates funding one pilot research award, at up to US \$60,000 (one year), one predoctoral fellowship award, at up to US \$40,000/yr (two years), and one postdoctoral award, at up to US \$55,000/yr (two years) focused on understanding, evaluating and/or treating individuals with central auditory processing disorder (CAPD), particularly as it relates to autism spectrum disorder (ASD). Final funding decisions will be based on the scientific merit and fidelity to the RFA of reviewed applications.”

Amount: \$60,000 for Pilot Research Awards; Request for applications [here](#).

Funding Agency: U.S. Environmental Protection Agency

Title: [National Priorities: Innovative Sampling Designs for Public Health Surveillance of Coronaviruses and Other Pathogens in Wastewater](#)

Application Deadline: December 15, 2021

Purpose: “The COVID-19 pandemic has highlighted the need for effective tools to monitor the emergence and spread of infectious diseases. The U.S. Environmental Protection Agency (EPA) is seeking applications proposing innovative research to inform effective wastewater sampling network designs which allow for early detection and can provide evidence of spread of infection from national to local levels in a form that can be readily used by public health agencies nationwide to address current and future epidemics/pandemics. Wastewater sampling has been widely deployed during the pandemic as a cost-effective, screening-level approach to assess infection levels in the community. In addition to improved analytical detection methods and understanding of pathogen fate and transport in sewer systems, advancing wastewater-based monitoring will require well-designed sampling networks and public health data integration approaches.”

Amount: \$1,000,000

Funding Agency: National Trust for Historic Preservation

Title: [Telling the Full History Preservation Fund](#)

Application Deadline: December 15, 2021

Purpose: “The National Trust for Historic Preservation’s Telling the Full History Preservation Fund is a one-time grant program to interpret and preserve historic places of importance to underrepresented communities across states and territories of the United States. This program is made possible by a grant from the National Endowment for the Humanities’ American Rescue Plan Humanities Grantmaking for Organizations and, as such, is subject to federal rules for award selection and reporting.”

Amount: \$25,000-\$50,000

Funding Agency: National Institute of Justice

Title: [W.E.B. Du Bois Program of Research on Reducing Racial and Ethnic Disparities in the Justice System](#)

Application Deadline: December 30, 2021 (Note, because of holiday shutdown, final applications will be due to the office of research no later than 9am December 15, 2021.)

Purpose: “The W.E.B. Du Bois Program supports quantitative and qualitative research that furthers the Department’s mission by advancing knowledge regarding the intersections of race, crime, violence, and the administration of justice within the United States. In FY 2021 under the W.E.B. Program, NIJ seeks applications for funding of investigator-initiated research examining how observed racial and ethnic disparities in the justice system might be reduced through public policy interventions at any point during the administration of justice.”

Amount: To be determined by the number of applications received and their merit – up to \$3,000,000 in total funding available.

Funding Agency: Elsa U. Pardee Foundation

Title: [Grants for Research on New Treatments or Cures for Cancer](#)

Application Deadline: December 31, 2021; April 30, 2022; August 31, 2022

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. Applications requesting more than 5% overhead are usually not considered. Papers verifying nonprofit status and relevant human subject and experimental animal treatment approvals from the recipient institution will be requested prior to project initiation. A final report summarizing financial expenditure and research achievement is required. Recently funded grants: <https://pardeefoundation.org/recent-grants/>.”

Amount: \$90,000-\$200,000; no set limits

Funding Agency: NVIDIA

Title: [Academic Hardware Grants](#)

Application Deadline: TBD – January 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: The American Athletic Conference Academic Consortium

Title: 2022-2023 Research Grants – please email proposals@wichita.edu for a copy of the solicitation.

Application Deadline: January 3, 2022

Purpose: “The American Athletic Conference (The American) Academic Consortium is pleased to announce the 2022-23 American Athletic Conference Research Grant Program. The program's goals are: (1) to stimulate research on college athletics designed to promote student-athlete welfare; and (2) to assist The American member institutions and intercollegiate athletics programs in evidence-based practice for student athletes.”

Amount: \$15,000

Funding Agency: Health & Human Services Centers for Disease Control and Prevention - ERA

Title: [Grants to Support New Investigators in Conducting Research Related to Preventing Interpersonal Violence Impacting Children and Youth](#)

Application Deadline: January 4, 2022

Purpose: “The purpose of the Centers for Disease Control and Prevention National Center for Injury Prevention and Control (NCIPC) Mentored Research Scientist Development Award (K01) is to provide support for an intensive, supervised (mentored) career development experience in violence prevention research leading to research independence. NCIPC supports K01 grants to help ensure the availability of an adequate number of trained scientists to address critical public health research questions to prevent violence and injury. Applicants must propose a research project that addresses at least one of the research priorities in the interpersonal violence prevention section of the NCIPC Research Priorities (www.cdc.gov/injury/researchpriorities/index.html) as they relate to violence impacting children or youth (from birth through age 17). These research priorities include: Cross-cutting violence prevention, Child abuse and neglect, Youth violence, Intimate partner

violence (teen dating violence), Sexual violence. Applicants are also encouraged to address the following: Multiple forms of violence impacting children or youth, Firearm-related behavior, crime, injuries and deaths among children and youth, Other adverse childhood experiences and related constructs as secondary outcomes, The social or structural conditions that contribute to violence and health inequities across population groups.”

Amount: \$150,000

Funding Agency: Department of Commerce: National Institutes of Standards and Technology

Title: [Metals-based Additive Manufacturing Grant Program](#)

Application Deadline: January 11, 2022

Purpose: “The NIST Metals-based Additive Manufacturing Grant Program is seeking applications from eligible applicants to support significant measurement science research in addressing current and future barriers to wide-spread adoption of metals-based additive manufacturing, such as feedstock, machine, and process characterization; real-time process monitoring and control; increasing process optimization and throughput; rapid qualification methodologies for processes and parts via characterization of surface quality, part accuracy, material properties as well as model-based approaches; and computational requirements for systems integration in advanced additive manufacturing systems including multi-material and multi-laser systems.”

Amount: \$957,850

Funding Agency: National Academies of Sciences, Engineering, Medicine

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: William T. Grant Foundation

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

Application Deadline: January 12, 2022

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

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

Funding Agency: 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

Funding Agency: Third Floor Research at the Kansas Leadership Center

Title: [Research on Leadership and/or Civic Engagement Activities](#)

Application Deadline: January 15, 2022

Purpose: “Third Floor Research is seeking partners to conduct research on leadership and/or civic engagement activities. Organizations with a leadership or civic engagement effort that are ripe to analyze with research are encouraged to apply.” You are strongly encouraged to first reach out to the Kansas Leadership Center to discuss your project before applying.

Amount: \$25,000

Funding Agency: Whitehall Foundation

Title: [Grants for Research in the Life Sciences](#)

Application Deadline: Letters of Intent due January 15, 2022; April 15, 2022 and October 1, 2022

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

Funding Agency: National Science Foundation (NSF)

Title: [Advancing Informal STEM Learning \(AISL\)](#)

Application Deadline: January 18, 2022

Purpose: “The Advancing Informal STEM Learning (AISL) program seeks to advance new approaches to and evidence-based understanding of the design and development of STEM learning opportunities for the public in informal environments; provide multiple pathways for broadening access to and engagement in STEM learning experiences; advance innovative research on and assessment of STEM learning in informal environments; and engage the public of all ages in learning STEM in informal environments. The AISL program supports six types of projects: (1) Pilots and Feasibility Studies, (2) Research in Service to Practice, (3) Innovations in Development, (4) Broad Implementation, (5) Literature Reviews, Syntheses, or Meta-Analyses, and (6) Conferences.”

Amount: \$250,000-\$3 million

Funding Agency: American Educational Research Association

Title: [Research Grants](#)

Application Deadline: January 25, 2022

Purpose: “With support from the National Science Foundation (NSF), the American Educational Research Association (AERA) Grants Program seeks proposals for Research Grants. The AERA Grants Program provides Research Grants to faculty at institutions of higher education, postdoctoral researchers, and other doctoral level scholars. The program supports highly competitive studies using rigorous quantitative methods to examine large-scale, education-related data. This research and training program is designed to advance knowledge and build research capacity in education and STEM education and learning. Since 1991, this AERA Program has been vital to both research and training at early career stages.”

Amount: \$35,000

Funding Agency: Agency for Healthcare Research and Quality (AHRQ)

Title: [AHRQ Health Services Research Demonstration and Dissemination Grants \(R18\)](#)

Application Deadline: January 25, May 25, September 25, 2022

Purpose: “The Research Demonstration and Dissemination Grant (R18) is an award made by AHRQ to an institution/organization to support a discrete, specified health services

research project. The project will be performed by the named investigator and study team. The R18 research plan proposed by the applicant institution/organization must be related to the mission and priority research interests of AHRQ.”

Amount: \$400,000/year

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

Title: [Stephen I. Katz Early Stage Investigator Research Project Grant \(RO1 Clinical Trial Not Allowed\)](#)

Application Deadline: January 26, May 26, September 27, 2022

Purpose: “The purpose of this Funding Opportunity Announcement is to provide a new pathway for Early Stage Investigators (ESIs) who wish to propose research projects in a new direction for which preliminary data do not exist. The Stephen I. Katz Early Stage Investigator Research Project Grant, named in honor of the late National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) Director, Stephen I. Katz, M.D., Ph.D., is open to a broad range of scientific research relevant to the mission of the participating NIH Institutes and Centers (ICs). Proposed projects must represent a change in research direction for the ESI and should be innovative and unique. A distinct feature for this FOA is that applications must not include preliminary data.”

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: [Graduate Research Training Initiative for Student Enhancement \(G-RISE\) \(T32-Clinical Trial Not Allowed\)](#)

Application Deadline: January 26, May 26, September 27, 2022

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

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

Funding Agency: Biogen

Title: Grants: [Medical Education, Patient Education, or General](#)

Application Deadline: February 15, 2022

Purpose: “Funding to an eligible institution or organization to support independent medical educational activities for HCPs and researchers; Funding to an eligible institution or organization to support independent educational activities for patients or caregivers; and Funding to support a project or program that does not fit any of the other defined grant categories. Biogen considers requests across a variety of disease areas, including: Alzheimer's Disease, Multiple Sclerosis and Spinal Muscular Atrophy.”

Amount: Funding amounts requested must be reasonable for the activities proposed and grant funds must be used for the expenses described in the grant application and the grant approval agreement.

Funding Agency: Agency for Healthcare Research and Quality (AHRQ)

Title: [AHRQ Small Research Grant Program \(R03\)](#)

Application Deadline: February 16, June 16, October 16, 2022

Purpose: “This FOA encourages Small Research Grant (R03) applications, and expresses AHRQ priority areas of interest for ongoing small research projects. The R03 grant

mechanism supports different types of health services research projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology.”

Amount: \$100,000 for a maximum of two years

Funding Agency: Hearing Health Foundation

Title: [Emerging Research Grants](#)

Application Deadline: February 25, 2022

Purpose: “Through the Emerging Research Grants (ERG) program, Hearing Health Foundation (HHF) provides seed money to researchers working on the entire spectrum of hearing research and balance research, including many underfunded areas of otology.”

Amount: \$50,000

Funding Agency: National Institutes of Health NICHD

Title: [Home and Community-Based Physical Activity Interventions to Improve the Health of Wheelchair Users \(R01 Clinical Trial Required\)](#)

Application Deadline: March 30, 2022

Purpose: “The purpose of this funding opportunity announcement (FOA) is to request applications to develop/adapt and test physical activity interventions for individuals who use wheelchairs due to physical disability. The goal of the proposed interventions should be to safely prevent, or reverse chronic conditions associated with low physical activity such as diabetes, cardiovascular disease, and obesity. Inclusion criteria and stratification must be based on functional status rather than the primary condition leading to disability. Interventions that could be applied or easily adapted to large populations of wheelchair users and used in multiple settings are a priority.”

Amount: Application budgets are not limited but need to reflect the actual needs of the proposed project. Note, NICHD intends to commit \$1.5 million in FY 2023 to fund three awards. The maximum project period is 5 years.

Funding Agency: Gerber Foundation

Title: [Research Award](#)

Application Deadline: Concept Papers due May 15, 2022

Purpose: “The Foundation’s mission focuses on infants and young children. Accordingly, priority is given to projects that improve the nutrition, care and development of infants and young children from the first year before birth to three years of age. The Foundation is particularly interested in fresh approaches to solving common, everyday problems or

emerging issues within our defined focus area. Projects should focus on issues faced by care providers that, when implemented, will improve the health, nutrition and/or developmental outcomes for infants and young children. The board is particularly looking for practical solutions that can be easily and rapidly implemented on a broad scale with a predictable time frame to clinical application.”

Amount: Up to \$350,000

Funding Agency: HALO

Title: [Opportunities](#)

Application Deadline: Ongoing

Purpose: Halo is a marketplace and network that moves science forward by connecting scientists directly with companies for research collaborations and funding opportunities. For example, two (of 18) current opportunities include “Removing organics from coconut water to improve flavor - PepsiCo” and “Novel methods for detecting microbial contamination in aqueous solutions – Baxter.”

Amount: Varies based on opportunity

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.”

Amount: \$50,000

Funding Agency: U.S. Air Force Office of Scientific Research

Title: [Broad Agency Announcement \(BAA\): Research Interests of the Air Force Office of Scientific Research](#)

Application Deadline: Ongoing until new BAA issued

Purpose: “AFOSR plans, coordinates, and executes the Air Force Research Laboratory’s (AFRL) basic research program in response to technical guidance from AFRL and requirements of the Air Force. Additionally, the office fosters, supports, and conducts research within Air Force, university, and industry laboratories; and ensures transition of research results to support U.S. Air Force needs. The focus of AFOSR is on research areas that offer significant and comprehensive benefits to our national war fighting and peacekeeping capabilities. These areas are organized and managed in two scientific

Departments: Engineering and Information Science (RTA), Physical and Biological Sciences (RTB), and our international offices (EAORD, SOARD, and AOARD).” The 39 Research Interests listed in the BAA include but are not limited to: Dynamic Materials & Interactions, Unsteady Aerodynamics & Turbulent Flows, Aerospace Composite Materials; Computational Mathematics; Information Assurance and Cybersecurity; Mathematical Optimization; Complex Networks; Laser and Optical Physics; Aerospace Materials for Extreme Environments; Physics of Sensing; Human Performance & Biosystems; Organic Materials Chemistry.

Amount: \$100,000-\$300,000 per year is encouraged

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 24, 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 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 annual

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
[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) Distinguished Lecture on Nanotechnology-Enabled Water Treatment: November 18, 2021

The NSF Directorate for Engineering presents a Distinguished Lecture by Dr. Pedro Alvarez of Rice University on "Nanotechnology-Enabled Water Treatment." This virtual event will be held on Thursday, November 18, 2021 at 11:00 AM Eastern. This presentation will address emerging opportunities for nanotechnology to meet a growing need for safer and more affordable decentralized water treatment and reuse. Through control over material size, morphology and chemical structure, nanotechnology offers novel materials that are nearly "all surface" and hence can be more reactive per atom than bulk materials. The vision is that these enabling technologies will be leveraged to develop compact modular water treatment systems that are easy to deploy and can treat challenging waters to protect human lives and support economic development.

[Register for NSF Distinguished Lecture](#)

National Science Foundation (NSF) Partnerships for Innovation Webinar Series: November 30, 2021; December 7, 2021; December 14, 2021; 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](#)

Environmental Protection Agency (EPA) Webinar: Finding EPA Resilience Resources with the *Environmental Resilience Tools Wizard*. December 1, 2021

This webinar will provide an overview of the *Environmental Resilience Tools Wizard* and will walk through examples of how to conduct searches and evaluate the results. The wizard was created to help state and local emergency managers, environmental and health agencies, and other users who may not be familiar with EPA resources that help build community resilience to disasters. It may also be useful to tribes, cities and counties implementing resilience or hazard mitigation plans, researchers, drinking water and wastewater utilities, and community or environmental organizations. The Environmental Resilience Tools Wizard is a curated, online repository of EPA tools and resources designed to build community resilience to disasters. The wizard is designed to be used by state, tribal, and local environmental and emergency management agencies. It contains publicly available resources produced by EPA that address how to reduce disaster risks to the environment and human health. The wizard is "all-hazards" as resources may be used for homeland security incidents, other environmental or health emergencies, geophysical disasters, and/or extreme weather. The resources it contains may be used as part of disaster mitigation, preparedness, response and recovery. The wizard lets users use keywords and filters to find the EPA resilience tools that best meet their needs.

[Register for EPA Tools & Resources Training Webinar](#)

HSI Hispanic Serving Institutions STEM Hub: Fall & Winter 2021-2022 Grant Writer Webinar Series: December 3, 2021

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 December 3, 2021 is on Demystifying NSF Computer and Information Science and Engineering (CISE) funding.

[Register for Upcoming HSI STEM Hub 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](#)

National Science Foundation (NSF) Fall 2021 Virtual Grants Conference On-Demand Workshops

The NSF Fall 2021 Virtual Grants Conference recordings are now available online and on demand through the NSF Policy Office Outreach webpage. Recordings are available on Proposal Preparation, Merit Review, Award Management, and for each Directorate (Biological Sciences; Social Behavioral & Economic Sciences; Education & Human Resources, Computer & Information Science & Engineering; Mathematical & Physical Sciences; Geosciences; Engineering).

View NSF [On-Demand Workshops from Fall 2021 Grants Conference](#)

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](#)

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

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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.

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;
- Attend Research Workshops that will help you with finding funding, budgeting and writing effective proposals (and much more)!

Wichita State University Office of Research

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

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