



WICHITA STATE  
UNIVERSITY  
OFFICE OF RESEARCH

## INSIDE RESEARCH & Funding Opportunities

News, Events and Resources for the WSU Research Community

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**MAY 2021**

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

Coleen Pugh, AVP for Research

### **AWARDS**

#### **EPISTEMIC VALUE AND THE NORMS OF BELIEF**

PI/Department: Patrick Bondy, Philosophy

Sponsor: State of Kansas-ARCS

Amount: \$3,000

#### **CITY OF WICHITA SUSTAINABILITY INITIATIVES RESEARCH STUDY**

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

Sponsor: City Of Wichita

Amount: \$19,842

#### **HARMFUL ALGAE BLOOM REDUCTION - FEASIBILITY STUDY (AMENDMENT #5)**

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

Sponsor: Dept of Health & Environment-Kansas

Amount: \$218,065

### **ENVIRONMENTAL ASSESSMENT FOR ELLINWOOD HOSPITAL**

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

Sponsor: Ellinwood Hospital & Clinic

Amount: \$4,000

### **EA SUMNER COUNTY HOSPITAL DISTRICT NO. 1**

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

Sponsor: Sumner County Hospital District #1

Amount: \$3,900

### **GREAT PLAINS NATURE CENTER STAFFING ASSESSMENT**

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

Sponsor: Friends of the Great Plains Nature Center

Amount: \$210,718

### **SUPERVISORY TRAINING**

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

Sponsor: Kansas Dept Of Labor

Amount: \$10,908

## **SEDGWICK COUNTY SHERIFF'S OFFICE STRATEGIC PLAN PROPOSAL**

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

Sponsor: Sedgwick County Division Of Finance

Amount: \$13,700

## **CAREER: TOWARDS PRIVACY-PRESERVING WIRELESS COMMUNICATION: FUNDAMENTAL LIMITS AND CODING SCHEMES**

PI/Department: Remi Chou, Electrical & Computer Engr

Sponsor: Natl Science Foundation

Amount: \$267,084

## **KNOW YOUR ENEMY: REFINING OUR UNDERSTANDING OF CARNIVORE BONE DAMAGE**

PI/Department: Laurence Dumouchel, Anthropology

Sponsor: State of Kansas-ARCS

Amount: \$4,000

## **ULRICH VIRTUAL**

PI/Department: Jana Erwin, Edwin A. Ulrich Museum of Art

Sponsor: Kansas Department of Commerce / Natl Endowment for the Arts

Amount: \$7,500

**THE APPLICATION OF SCALABLE PHASE SPACE SAMPLING ALGORITHMS TO THE SIMULATION OF QCD CORRECTED MULTI-JET EVENTS AT HADRON COLLIDERS**

PI/Department: Terrance Figy, Physics

Sponsor: State of Kansas-URCA

Amount: \$3,482

**PHASE II SOS**

PI/Department: Debra Franklin, Strategic Initiatives

Sponsor: Martin Defense Group / Office of Naval Research

Amount: \$399,453

**MOCK TRIAL - LAUSD**

PI/Department: Jeffrey Jarman, The Research Partnership

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

Sponsor: Tsongas

Amount: \$3,500

**MOCK TRIAL - DHVSTA**

PI/Department: Jeffrey Jarman, The Research Partnership

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

Sponsor: Tsongas

Amount: \$4,500

**MOCK TRIAL - MTVKIN**

PI/Department: Jeffrey Jarman, The Research Partnership

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

Sponsor: Tsongas

Amount: \$5,500

**MOCK TRIAL – HUAVVER VD**

PI/Department: Jeffrey Jarman, The Research Partnership

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

Sponsor: Tsongas

Amount: \$10,000

**KANCARE DASHBOARD REPORTING SERVICES EXTENSION**

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

Sponsor: Dept of Health & Environment-Kansas / Centers for Medicare & Medicaid Srv

Amount: \$246,568

**KBOR RESOURCE MANAGEMENT SYSTEM TOOL**

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

Sponsor: Kansas Board of Regents

Amount: \$38,640

## **INDUSTRIAL ENGINEERING SERVICES FOR SPIRIT AEROSYSTEMS**

PI/Department: Krishna Krishnan, Industrial & Manufacturing Eng

Sponsor: Spirit Aerosystems INC

Amount: \$200,000

## **EFFECTS OF THE USE OF CLEANING AND DISINFECTANTS CHEMICALS/PROCESSES IN THE MECHANICAL AND FLAMMABILITY CHARACTERISTICS OF AIRCRAFT INTERIORS MATERIALS**

PI/Department: Gerardo Olivares, NIAR-Crash Dynamics

Sponsor: Federal Aviation Administration

Amount: \$239,386

## **AIRFRAME CRASHWORTHINESS TESTING AND SIMULATION**

PI/Department: Gerardo Olivares, NIAR-Crash Dynamics

Sponsor: Federal Aviation Administration

Amount: \$36,500

## **BOBBY WATSON RESIDENCY**

PI/Department: James Pisano, School of Music

Sponsor: Kansas Department of Commerce

Amount: \$2,000

## **KANSAS SMALL BUSINESS DEVELOPMENT CENTERS CY2021 (STATE)**

PI/Department: Marcia Stevens, Kansas Small Business Dev Center

Sponsor: Fort Hays State University

Amount: \$171,290

**KANSAS SMALL BUSINESS DEVELOPMENT CENTERS CY2021 (FEDERAL)**

PI/Department: Marcia Stevens, Kansas Small Business Dev Center

Sponsor: Fort Hays State University / Small Business Administration

Amount: \$144,098

**INSPECTION AND FRACTOGRAPHY ANALYSIS TO DEVELOP A DIGITAL TWIN FOR LEGACY AIRCRAFT - PHASE IV**

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: \$3,714,000

**FACILITATION AND STRATEGIC PLANNING SERVICES**

PI/Department: Scott Wituk, Community Engagement Institute

Sponsor: Dept of Health & Environment-Kansas / Health Resources & Services Admin

Amount: \$10,000

**WICHITA COALITION FOR CHILD ABUSE PREVENTION**

PI/Department: Scott Wituk, Community Engagement Institute

Sponsor: Kansas Children's Service League

Amount: \$9,000

**SPEAKER, KANSAS CRIME VICTIMS' RIGHTS CONFERENCE**

PI/Department: Scott Wituk, Community Engagement Institute

Sponsor: Kansas Governor's Grants Program

Amount: \$ 594

**CIVIC ENGAGEMENT PROJECT MANAGER AGREEMENT FOR 2021**

PI/Department: Scott Wituk, Community Engagement Institute

Sponsor: Kansas Leadership Center

Amount: \$5,000

**NORTON COUNTY COMMUNITY ASSESSMENT**

PI/Department: Scott Wituk, Community Engagement Institute

Sponsor: Norton County Hospital

Amount: \$6,750

**NORTON COUNTY HOSPITAL IMPLEMENTATION PLAN UPDATES**

PI/Department: Scott Wituk, Community Engagement Institute

Sponsor: Norton County Hospital

Amount: \$7,250

**DATA MANAGEMENT**

PI/Department: Scott Wituk, Community Engagement Institute

Sponsor: Russell Child Development Center



Amount: \$17,000

## **#WSUWESUPPORTU SEXUAL VIOLENCE PREVENTION AND EDUCATION INITIATIVE**

PI/Department: Marci Young, Counseling & Testing Center

Sponsor: Department of Justice

Amount: \$300,000

## **FUNDING OPPORTUNITIES**

### **Focused Funding Opportunities**

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

### **Funding Agency: U.S. National Institute of Justice**

Title: [Recidivism Forecasting Challenge](#)

Application Deadline: Submission Periods: May 30, June 15 and June 30, 2021

Purpose: "The National Institute of Justice's (NIJ) "Recidivism Forecasting Challenge" (the Challenge) aims to increase public safety and improve the fair administration of justice across the United States. In accordance with priorities set by the DOJ, NIJ supports the research, development, and evaluation of strategies to reduce violent crime, and to protect police and other public safety personnel by reducing recidivism. Results from the Challenge will provide critical information to community corrections departments that may help facilitate more successful reintegration into society for previously incarcerated persons and persons on parole." [Webinar held May 6, 2021 about the Challenge: Transcript and Slides](#)

Amount: Up to \$25,000

### **Funding Agency: Patient-Centered Outcomes Research Institute (PCORI)**

Title: Various: Improving Postpartum Maternal Outcomes for Populations Experiencing Disparities, Comparative Effectiveness of Interventions Targeting Mental Health Conditions in Individuals with Intellectual and Developmental Disabilities, Broad PCORI Funding Announcements, Improving Methods for Conducting Patient-Centered Outcomes Research

Application Deadline: Letters of Intent due June 1, 2021; Full Proposals due August 31, 2021

Purpose: "PCORI funds studies that can help patients and those who care for them make better-informed healthcare choices."

Amount: Varies based on opportunity, \$750,000-\$3 million

### **Funding Agency: Shockers Innovation Corps (I-Corps)**

Title: Shockers Innovation Corps Summer Session

Application Deadline: June 1, 2021

Purpose: "Wichita State University is a National Science Foundation (NSF) I-Corps site. The Shocker Innovation Corps nurtures and supports Wichita State entrepreneurial teams interested in accelerating their STEM ideas, research and product commercialization. Ideas / projects can originate from student or faculty work, research and institutional / industrial projects."

Amount: up to \$2,150 per team

### **Funding Agency: New Schools Venture Fund**

Title: Racial Equity Application

Application Deadline: June 4, 2021

Purpose: "We are excited to launch our first Racial Equity funding opportunity. Through this new effort, we will invest up to \$1.5 million in innovators of color with bold ideas to advance racial equity in education. We believe that the freedom to thrive is every person's fundamental right, and that access to a great education, regardless of race or ethnicity, is essential to that freedom. And yet, despite important areas of progress, the promise of an equitable educational opportunity remains unfulfilled. NewSchools is

committed to being part of the necessary change and we recognize the need to work on racial equity in a deeper way. Through this funding opportunity, our goal is to help you bring powerful, imaginative ideas to life that reach toward a racially equitable education system.”

### **Funding Agency: Spencer Foundation**

Title: **Research Grants on Education: Small**

Application Deadline: June 4, 2021 at 12noon

Purpose: “The Small Research Grants Program supports education research projects that will contribute to the improvement of education, broadly conceived, with budgets up to \$50,000 for projects ranging from one to five years. We accept applications three times per year.”

Amount: \$50,000

### **Funding Agency: US Dept of Defense: Army, Air Force and Navy**

Title: **Fiscal Year (FY) 2022 Department of Defense Multidisciplinary Research Program of the University Research Initiative (MURI)**

Application Deadline: White Papers (strongly suggested) due June 7, 2021; full proposals to be due September 27, 2021.

Purpose: “The MURI program supports basic research in science and engineering at U.S. institutions of higher education (hereafter referred to as "universities") that is of potential interest to DoD. The program is focused on multidisciplinary research efforts where more than one traditional discipline interacts to provide rapid advances in scientific areas of interest to the DoD. As defined in the DoD Financial Management Regulation: Basic research is systematic study directed toward greater knowledge or understanding of the fundamental aspects of phenomena and of observable facts without specific applications towards processes or products in mind. It includes all scientific study and experimentation directed toward increasing fundamental knowledge and understanding in those fields of the physical, engineering, environmental, and life sciences related to long-term national security needs. It is farsighted high payoff research that provides the basis for technological progress (DoD 7000.14-R, vol. 2B, chap. 5, para. 050105. A.).”

Amount: Up to \$1.5 million

## **Funding Agency: Foundation for Child Development**

Title: **Young Scholars Program**

Application Deadline: Letters of Intent due June 8, 2021

Purpose: “The Young Scholars Program (YSP) supports scholarship for early-career researchers. The program funds implementation research that is policy- and practice-relevant and that examines the preparation, competency, compensation, well-being, and ongoing professional learning of the early care and education (ECE) workforce.”

Amount: Up to \$225,000

## **Funding Agency: U.S. Department of Justice: Office for Victims of Crime**

Title: **OVC FY 2021 Advancing the Use of Technology to Assist Victims of Crime**

Application Deadline: June 14, 2021 Grants.gov; June 28, 2021 via Just Grants.

Purpose: “Through this solicitation, OVC seeks to provide funding to organizations that demonstrate innovative strategies to create, expand, or enhance the use of technology in innovative ways to interact directly with crime victims and/or to provide information, referrals, crisis assistance, and longer-term help.” Please note, informational webinar to be held May 12, 2021.

Amount: Between \$1 million - \$1.5 million

## **Funding Agency: Robert Wood Johnson Foundation**

Title: **Research in Transforming Health and Health Care Systems**

Application Deadline: June 28, 2021

Purpose: “The purpose of this 2021 RTHS call for proposals is to fund research studies that evaluate or predict how enrollees are affected by Medicaid policy changes enacted in response to the COVID-19 pandemic. Given the disproportionate impact of the pandemic on communities of color, we are requesting studies that examine the impact of Medicaid policies on communities of color and/or explore how current or proposed policies may alleviate or exacerbate racial inequity and structural racism in the context of Medicaid. The goal of this funding opportunity is to generate rigorous evidence on the effects of recent Medicaid policy changes on enrollees, states, and others, and to inform and advance equitable policies and racial equity in Medicaid.”

Amount: \$150,000-\$350,000

**Funding Agency: U.S. Department of Justice: Office for Victims of Crime**

Title: OVC FY 2021 National Crime Victims' Rights Week Community Awareness Projects (2022)

Application Deadline: June 28, 2021 Grants.gov; July 12, 2021 via Just Grants.

Purpose: "The goals of this project are to increase public awareness of crime victims' rights and services nationwide during the 2022 National Crime Victims' Rights Week, and strengthen the capacity of victim assistance agencies to develop a broad, collaborative approach to community awareness that highlights services for all types of crime victims. This cooperative agreement will enable an organization to provide financial and technical assistance to approximately 50 communities nationwide to conduct public awareness activities on crime victims' rights and services in their jurisdictions during the 2022 National Crime Victims' Rights Week."

Amount: \$300,000

**Funding Agency: American Association for the Advancement of Science**

Title: AAAS Lifetime Mentor Award & Mentor Award

Application Deadline: Nominations due June 30, 2021

Purpose: "The two categories of the AAAS Mentor Awards (Lifetime Mentor Award and Mentor Award) both honor individuals who during their careers demonstrate extraordinary leadership to increase the participation of underrepresented groups in science and engineering fields and careers. These groups include: women of all racial or ethnic groups; African American, Native American, and Hispanic men; and people with disabilities."

Amount: Mentor Awards: \$5,000

**Funding Agency: National Institute for Health Care Management (NIHCM) Foundation**

Title: **Research Grants**

Application Deadline: Letters of Intent due June 30, 2021

Purpose: “NIHCM Foundation supports innovative investigator-initiated research with high potential to inform improvements to the U.S. health care system. Projects must advance the existing knowledge base in the areas of health care financing, delivery, management and/or policy.”

Amount: Up to \$1 million to be distributed across two journalism and research projects based on merit.

**Funding Agency: American Association for the Advancement of Science**

Title: **AAAS Award for Scientific Freedom & Responsibility | Philip Hauge Abelson Prize | AAAS David and Betty Hamburg Award for Science Diplomacy | AAAS Early Career Award for Public Engagement with Science**

Application Deadline: Nominations due June 30, 2021

Purposes: “The AAAS Award for Scientific Freedom and Responsibility is presented by the American Association for the Advancement of Science to honor scientists, engineers, and their organizations whose exemplary actions have demonstrated scientific freedom and/or responsibility in challenging circumstances.”

“AAAS Philip Hauge Abelson Prize recognizes an individual who has made exceptional contributions to the advancement of science as a public servant, or a scientist who has been distinguished for both scientific achievement and other notable services.”

“The AAAS David and Betty Hamburg Award for Science Diplomacy recognizes an individual or a limited number of individuals working together in the scientific and engineering or foreign affairs communities who are making an outstanding contribution to furthering science diplomacy.”

“The AAAS Early Career Award for Public Engagement with Science, established in 2010, recognizes early-career scientists and engineers who demonstrate excellence in their contribution to public engagement with science activities. The recipient receives a monetary prize of \$5,000, a commemorative plaque, and recognition at the AAAS Annual Meeting.”

Amount: Awards between \$5,000 - \$10,000

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

Title: **Air Force Fiscal Year 2022 Young Investigator Research Program (YIP)**

Application Deadline: July 12, 2021

Purpose: “The Fiscal Year 2022 Air Force Young Investigator Research Program (YIP) intends to support early in career scientists and engineers who have received Ph.D. or equivalent degrees by 1 April 2014 or later showing exceptional ability and promise for conducting basic research. The program objective is to foster creative basic research in science and engineering; enhance early career development of outstanding young investigators; and increase opportunities for the young investigator to recognize the Air Force and Space Force mission and related challenges in science and engineering.”

Amount: \$450,000

**Funding Agency: National Science Foundation**

Title: **Trans-Atlantic Platform Recovery, Renewal, and Resilience in a Post-Pandemic World (T-AP RRR)**

Application Deadline: July 12, 2021

Purpose: “The Trans-Atlantic Platform Recovery, Renewal, and Resilience in a Post-Pandemic World (T-AP RRR) opportunity supports international, collaborative research projects that address key gaps in our understanding of the complex societal effects of COVID-19. Specifically, T-AP RRR supports research that addresses one or more of the following challenges: reducing inequalities and vulnerabilities; building a more resilient, inclusive, and sustainable society; fostering democratic governance and participation; advancing responsible and inclusive digital innovation; and/or ensuring effective and accurate communication and media. Proposals requesting NSF funding must fit within the scientific purview of the NSF Directorate for Social, Behavioral and Economic Sciences (SBE).” Note – a webinar will be held on this new funding opportunity on May 27, 2021.

Amount: \$200,000

## **Funding Agency: Arnold and Mabel Beckman Foundation**

Title: **Beckman Young Investigator Program**

Application Deadline: Letter of Intent due August 3, 2021

Purpose: “The Beckman Young Investigator (BYI) Program provides research support to the most promising young faculty members in the early stages of their academic careers in the chemical and life sciences, particularly to foster the invention of methods, instruments and materials that will open up new avenues of research in science.”

Amount: \$600,000

## **\*\*\*LIMITED\*\*\*Funding Agency: Kansas Health Foundation**

Title: **Impact and Capacity Grants**

Application Deadline: **\*\*\*LIMITED\*\*** Applications are accepted from now until August 3, 2021 and until funds are dispersed; only one application will be accepted per WSU department so you **must** coordinate in advance with the WSU Foundation if you are interested in applying.

Purpose: “KHF will consider proposals of up to \$25,000 that support either impactful projects or organizational capacity-building efforts from eligible, mission-aligned organizations actively working within one or more of the stated impact-areas; and, ultimately, contributing to reducing health disparities and promoting health equity.”

Amount: \$25,000

## **\*\*\*LIMITED\*\*\*Funding Agency: Amazon Web Services (AWS)**

Title: **AWS Imagine Grant**

Application Deadline: **\*\*\*LIMITED\*\*\*** Because WSU may only submit one application per funding cycle, *Notices of Intent* must be sent to [proposals@wichita.edu](mailto:proposals@wichita.edu) by August 10 at 12noon, in case an internal competition is needed. You will be informed if you have been chosen to proceed by September 1, 2021. Applications to the funder (if selected) will be due by October 1, 2021 for Round 2.

Purpose: “Our goal is to empower nonprofit organizations to prioritize technology as a mission-critical component of their projects and provide support for organizations pursuing technology driven goals. As part of the program, we are seeking proposals for



pilot projects, proofs of concept, or existing programs that utilize technology in a new or expanded way.”

Amount: \$30,000 or \$150,000 plus AWS promotional credits

**Funding Agency: AMERICAN CHEMISTRY SOCIETY, DIVISION OF POLYMERIC MATERIALS: SCIENCE AND ENGINEERING**

Title: **Cooperative Research Award in Polymer Science and Engineering**

Application Deadline: Letter of Intent due August 15, 2021

Purpose: “The Cooperative Research Award in Polymer Science and Engineering is given to recognize the cooperative research between industrial and academic or industrial and national laboratory scientists. The cooperative research must be of significant importance to polymer science and technology.”

Amount: Award: \$5,000 and travel allowance

**Funding Agency: National Science Foundation**

Title: **Robert Noyce Teacher Scholarship Program**

Application Deadline: August 31, 2021

Purpose: “The National Science Foundation Robert Noyce Teacher Scholarship Program (Noyce) invites innovative proposals that address the critical need for recruiting, preparing, and retaining highly effective elementary and secondary mathematics and science teachers and teacher leaders in high-need school districts.”

Amount: Award: \$75,000 - \$3 million depending on project type

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

Title: **2021 Institutional Challenge Grant**

Application Deadline: September 14, 2021

Purpose: “The Institutional Challenge Grant encourages university-based research institutes, schools, and centers to build sustained research-practice partnerships with

public agencies or nonprofit organizations in order to reduce inequality in youth outcomes.”

Amount: \$650,000

**Funding Agency: American Chemical Society**

Title: [The ACS Chemical Biology Lectureship](#)

Application Deadline: Nominations due September 30, 2021

Purpose: “ACS Chemical Biology and the ACS Division of Biological Chemistry are pleased to announce the annual lectureship to honor the contributions of an individual who has had a major impact on scientific research in the area of Chemical Biology and has published at least one paper in ACS Chemical Biology. The award will be presented at the Spring ACS National Meeting. The lectureship will be administered jointly by the Editor-in-Chief of ACS Chemical Biology, Laura L. Kiessling (Massachusetts Institute of Technology) and the ACS Division of Biological Chemistry. The award will consist of a specially designed lectureship hosted by the Division of Biological Chemistry, a cash award, plaque, and travel expenses to the meeting. A symposium honoring the awardee will consist of invited speakers, a short award presentation, followed by the award lecture.”

Amount: Lectureship, cash award, travel expenses

**Funding Agency: National Science Foundation**

Title: [Foundational Research in Robotics](#)

Application Deadline: Ongoing

Purpose: “The Foundational Research in Robotics (Robotics) program supports research on robotic systems that exhibit significant levels of both computational capability and physical complexity. For the purposes of this program, a robot is defined as intelligence embodied in an engineered construct, with the ability to process information, sense, and move within or substantially alter its working environment. Here intelligence includes a broad class of methods that enable a robot to solve problems or make contextually appropriate decisions. Research is welcomed that considers inextricably interwoven questions of intelligence, computation, and embodiment. Projects may also focus on a distinct aspect of intelligence, computation, or embodiment, as long as the proposed research is clearly justified in the context of a class of robots.” Please note, a webinar for CAREER researchers in the field of

Robotics was held April 26, 2021. You may access the recording of the webinar at the website above.

Amount: Standard NSF grant

### **Funding Agency: Wallace Global Fund**

Title: **Grants**

Application Deadline: Rolling – letters of inquiry accepted anytime

Purpose: “The mission of the Wallace Global Fund is to support people-powered movements to advance democracy and rights and to fight for a healthy planet.”

Amount: See website for previously funded projects.

### **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.

Amount: See website for details about currently open opportunities

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

Title: **NSF Individual and Small Team Proposals**

Application Deadline: Varies by topic.

Advanced Manufacturing – proposals accepted anytime

Applied Mathematics – Nov 1-15, 2021

Archaeology and Archaeometry – July 1 and December 20 annually

Astronomy and Astrophysics – Oct 1-Nov 15, 2021

Biological Anthropology – July 20 and Jan 20 annually

Biomechanics and Mechanobiology – proposals accepted anytime

Biophotonics – proposals accepted anytime

Biosensing – proposals accepted anytime

Cellular and Biochemical Engineering – proposals accepted anytime

Chemistry: Disciplinary Research Programs – varies based on discipline

Computational & Data-Enabled Science and Engineering - Varies

Cultural Anthropology – Aug 15 and Jan 15 annually

Ecology and Evolution of Infectious Diseases – Nov 17, 2021

Economics – Aug 18 and Jan 18 annually

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

Engineering of Biomedical Systems – proposals accepted anytime

Environmental Biology – proposals accepted anytime

Environmental Engineering – proposals accepted anytime

Environmental Sustainability – proposals accepted anytime

Geophysics – proposals accepted anytime

Mathematical Biology – Aug 20-Sept 6, 2021

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

Methodology, Measurement, and Statistics – August 26, 2021

Molecular and Cellular Biosciences – proposals accepted anytime

Physics – Varies by topic

Secure & Trustworthy Cyberspace – proposals accepted anytime

Security and Preparedness – Aug 15 and Jan 15 annually

Smart and Connected Health – Dec 11 annually

Social Psychology – July 15 and Jan 15 annually

Sociology – Aug 15 and Jan 15 annually

Statistics – Dec 1-15 annually

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

Title: [NSF Special Programs](#)

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

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

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

[Critical Aspects of Sustainability \(CAS\)](#) –accepted anytime

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

[Earth Sciences: Instrumentation and Facilities Program](#) –accepted anytime

[Ethical and Responsible Research \(ER2\)](#) – Feb 22 annually

[Expeditions in Computing](#) – Varies by topic

[Mathematical Sciences Infrastructure Program](#) –Dec 15 annually

[Robert Noyce Teacher Scholarship Program](#) – Aug 31, 2021

[Research Experiences for Undergraduates \(REU\)](#) – Aug 25, 2021

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

[Industry-University Cooperative Research Centers Program \(IUCRC\)](#) – Preliminary Proposals due Sept 8, 2021

Partnerships for Innovation (PFI) – Jul 14, 2021

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

## **EDUCATION / TRAINING**

### **STEM for All Video Showcase: COVID, Equity and Social Justice**

Researchers, practitioners, policy makers, informal educators, and parents interested in enhancing STEM education are invited to view videos showcasing federally funded projects to improve STEM and computer science education. The online event provides an opportunity to hear how programs across the nation have addressed the challenges posed by COVID and related school closures, particularly in underserved communities. Over 1,100 presenters and co-presenters have come together to share 287 3-minute videos. More than half of the presentations address racial or gender inequities and provide strategies to broaden participation and quality experiences for students of all ages, from the youngest elementary students to those pursuing graduate degrees. Collectively they provide a comprehensive introduction to the creative work being done across the nation to improve STEM education in both formal and informal environments. This event is created and facilitated by TERC and is funded by the National Science Foundation (Award #1922641).

[View 2021 STEM FOR ALL Video Showcase Site](#)

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### **American Chemical Society Webinars: May and June 2021**

May 27, 2021: How to Win Funding: Compelling Grant and Fellowship Applications

May 28, 2021: Skin-Inspired Organic Electronics

June 2, 2021: Artificial Intelligence in Chemistry

June 3, 2021: Chemistry and the Economy: Supply Chain Woes and is Industry “Sprouting” Green?

[American Chemical Society Webinar Registration](#)

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## **National Academies of Sciences: 22nd Annual Roger Revelle Lecture – The Next Wave: A Generational Shift in Ocean Sustainability: May 26, 2021**

This year, the virtual Lecture will feature Early Career Ocean Professionals leading the way on the UN Ocean Decade of Science for Sustainable Development. The speakers will consider the ways in which we can transform how ocean science is generated and used, designing and delivering ocean knowledge to inform sustainable solutions and strengthening research capacity for applied decision making in our ocean. A moderated panel discussion will follow the presentations.

**[Register for the 22<sup>nd</sup> Annual Roger Revelle Lecture](#)**

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## **Fulbright US Scholar Awards for Postdoctoral and Early Career Applicants Webinar: May 27, 2021**

The Fulbright U.S. Scholar program offers a variety of opportunities specifically for early career and postdoctoral applicants. Applicants with fewer than five years of experience in their field/discipline can gain important research skills and build networks with fellow scholars. Join IIE for a discussion of program options and learn about some of the exciting new awards available around the world.

**[Register for the Fulbright Webinar here](#)**

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## **National Academies of Sciences: Gulf Research Program Emerging ScienTalks: May 27, 2021**

The Emerging ScienTalks Webinar Series provides a platform for Early-Career Research Fellows to highlight and teach their current research efforts. The webinars are intended to be educational and are designed with interactive learning elements. The Gulf Research Program welcomes educators and parents with students of all ages to join us for an hour of engaging science discussion. This month we will discuss the topic: *Engagement can Improve Scholarship and Increase Local Resilience*. Dr. Garrett Sansom from Texas A&M University School of Public Health will discuss the fruitful relationship between communities and academia. Drawing from personal experiences,

Dr. Sansom, will provide best-practices and bi-directional communication pathways to successfully navigate community/academic partnerships.

**Register for the ScienTalk on Local Resilience**

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**HSI STEM Resource Hub Spring 2021 Jumpstart Grantsmanship Webinars: June 4, 2021**

More information about the HIS STEM Research Hub [here](#). The final session of the Spring 2021 Jumpstart Grantsmanship Webinars is on Friday, June 4, 2021 at 3 PM EST and is titled *Responding to NSF Reviews* with Erika Camacho.

**Register for Spring 2021 Webinars**

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**Shocker Innovation Corps (I-Corps) Summer Session: June 7 – July 19, 2021**

“Wichita State University is a National Science Foundation (NSF) I-Corps site. The Shocker Innovation Corps nurtures and supports Wichita State entrepreneurial teams interested in accelerating their STEM ideas, research and product commercialization. Ideas / projects can originate from student or faculty work, research and institutional / industrial projects.” Summer Session consists of six sessions scheduled from 1pm – 4pm.

**Apply to Participate in the Shocker I-Corps Program**

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## **XSEDE High Performance Computing Workshop Series Summer Boot Camp June 8 – 11, 2021**

This 4 day event will include MPI, OpenMP, GPU programming using OpenACC and accelerators. This workshop will be remote to desktop only due to the COVID-19 pandemic.

**[XSEDE Summer Boot Camp Registration Link](#) and [XSEDE Course Calendar](#)**

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## **Data Science Webinar: Technological Advancements to Enhance Weather System/Climate Change Research & Understanding (Part 3 in a Series): June 9, 2021**

The demand for data science in making business, research and policy decisions continues to explode, as does the growing need for data scientists. In partnership with the University of Oklahoma, ORAU is hosting a webinar on June 9, 2021, 1:00-2:30 p.m. ET. The purpose of the webinar is to drive more dialog on key factors that shape the current and future evolution of data science; promote more in-depth discussions on current trends; and discuss what it means to be a data educator, a data scientist, and a data policy maker and why all three are critical to advance data science.

**[Register for ORAU Data Science Webinar](#)**

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## **Advanced Computing for Social Change Curriculum Development: June 17-18, 2021**

The Advanced Computing for Social Change (ACSC) faculty curriculum development workshop will be held virtually June 17-18, 2021, 11am – 5pm Eastern each day. XSEDE Broadening Participation and Education Programs are seeking faculty from diverse disciplines and backgrounds who would like to incorporate the ACSC approach to teaching data analytics and computational thinking into their curriculum or are interested in using these tools in their research. This 2-day workshop provides materials informed by the ACSC student challenge to help introduce software tools, such as R, and classroom resources for data analysis, visualization, and computational modeling.

## **Advanced Computing for Social Change Curriculum Development Registration and overall XSEDE Course Calendar**

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### **42<sup>nd</sup> Annual Kansas Economic Outlook Conference: October 7, 2021**

For a glimpse into Kansas' economic future, over 700 business leaders turn to Wichita State University, the W. Frank Barton School of Business, and the Center for Economic Development and Business Research (CEDBR), founders of the Kansas Economic Outlook Conference. The purpose of the conference is to provide insight into current local, state, and national economies, addressing topics of interest to the community. A combination of nationally known speakers and local experts will be on hand to provide perspectives on issues affecting business, industry, education and government.

**[KS Economic Outlook Conference Website / Registration](#)**

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### **SBIR/STTR Spring Innovation Conference: October 18-20, 2021**

Connect with program managers representing America's Seed Fund of over \$3.5 billion annually. Learn how to compete for funding, and create successful commercialization strategies and partnerships. Network with global industry scouts, early-stage investors, and key federal agency buyers and funders.

**[SBIR/STTR Spring Innovation Conference Website](#)**

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## **National Institutes of Health: Upcoming Changes to the Biographical Sketch and Other Support Format Page for Due Dates on or after May 25, 2021**

In an effort to support strong collaboration between Federal research agencies, NIH has made every effort to align the Biographical Sketch (Biosketch), Other Support format page and Application Form Instructions with the guidance issued by the Office of Science and Technology Policy Joint Committee on the Research Environment. As a result, this Guide Notice informs the extramural community that NIH has updated its application forms and instructions to support the need for applicants and recipients to provide full transparency and disclosure of all research activities, foreign and domestic. The updated forms and instructions will be required for use for applications and Research Performance Progress Reports (RPPR) submitted for due dates on or after May 25, 2021.

[Link to the NIH Notice \(NOT-OD-21-073\)](#)

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## **National Science Foundation 101: Five Tips for Your Broader Impacts Statement**

Five tips from NSF Program Officers on writing your Broader Impacts statement.

[Read the NSF Blog Story Here](#)

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## **ORAU Council of Sponsoring Institutions 2021 Annual Meeting – Session Recordings**

Wichita State University is a member of ORAU. Last month, over 300 representatives from member universities, invited organizations, and ORAU convened virtually for the Annual Meeting of the ORAU Council of Sponsoring Institutions focused on *Artificial Intelligence and Machine Learning*. Speaker sessions/recordings can be found on the ORAU website link below, under the Agenda tab.

[Recordings from 2021 Annual Meeting of the ORAU Council of Supporting Institutions](#)

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

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

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

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

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