



WICHITA STATE
UNIVERSITY
OFFICE OF RESEARCH

INSIDE RESEARCH & Funding Opportunities

News, Events and Resources for the WSU Research Community

[AWARDS](#)

[FUNDING OPPORTUNITIES](#)

[EDUCATION/TRAINING](#)

MAY 2020

Welcome to the inaugural issue of the Wichita State University Inside Research newsletter. This newsletter will be sent every month to faculty and staff as a simple list recognizing WSU researchers for their grants awarded in the previous month. It will also provide a list of upcoming funding opportunities, and a list of training events. At this point, we are including some solicitations that would require collaboration with colleagues at other institutions. We welcome any forwarded solicitations that you may receive (research@wichita.edu). Please join me in congratulating the researchers listed below who received grants in April.

Coleen Pugh, AVP for Research

APRIL AWARDS

TRANSMISSION PLANNING UNDER HIGH RENEWABLE PENETRATION (YEAR 2)

PI/Department: Visvakumar Aravinthan, Electrical & Computer Engr

Sponsor: Sunflower Electric Power Corporation

Amount: \$120,000

ZOE BELOFF: EMOTIONS GO TO WORK

PI/Department: Leslie Brothers, Edwin A. Ulrich Museum of Art

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

Amount: \$5,000

KDOC AND KBOR FALL PLANNING CONFERENCE

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

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

Amount: \$12,840

KDOC AND KBOR FALL PLANNING CONFERENCE

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

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

Amount: \$12,840

ANCHOR INSTITUTION & INTEGRATED DATA PROPOSAL

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

Sponsor: Opportunity Wichita Inc

Amount: \$23,750

OPPORTUNITY WICHITA LITERACY FACILITATION PLAN DEVELOPMENT

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

Sponsor: Opportunity Wichita Inc / Kansas Health Foundation

Amount: \$15,000

COMMUNITY SERVICE GRANT (CSG) FY 2020

PI/Department: Debra Fraser, KMUW

Sponsor: Corporation for Public Broadcasting

Amount: \$121,769

COMMUNITY SERVICE GRANT (CSG) FY 2020

PI/Department: Debra Fraser, KMUW

Sponsor: Corporation for Public Broadcasting

Amount: \$52,186

FY 2020 STABILIZATION FUNDS (CARES) - FOR KMUW

PI/Department: Debra Fraser, KMUW

Sponsor: Corporation for Public Broadcasting

Amount: \$75,000

K-INBRE UNDERGRADUATE RESEARCH OFFICE (URO)

PI/Department: William Hendry, Biological Sciences

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

Amount: \$14,354

ONLINE TRIAL STUDY

PI/Department: Jeffrey Jarman, The Research Partnership

Sponsor: Tsongas

Amount: \$11,000

ONLINE TRIAL STUDY MAY 15

PI/Department: Jeffrey Jarman, The Research Partnership

Sponsor: Tsongas

Amount: \$6,500

FUTURE W/V-BAND SATELLITE COMMUNICATION SYSTEMS SECOND OBLIGATION

PI/Department: Hyuck Kwon, Electrical & Computer Engr

Sponsor: Air Force Research Laboratory

Amount: \$40,000

TEACHER EDUCATION COMPETITIVE GRANT PROGRAM

PI/Department: Shirley Lefever, School of Education

Sponsor: Kansas Board of Regents

Amount: \$74,592

WEB-BASED PROBLEM-SOLVING SELF-MANAGEMENT PROGRAM FOR AFRICAN AMERICANS WITH TYPE 2 DIABETES

PI/Department: Rhonda Lewis, Psychology

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

Amount: \$7,385

CORRELATION BETWEEN EFFECTS OF DEFECTS ON STATIC AND DYNAMIC STRENGTH BEHAVIOR OF COMPOSITE MATERIALS

PI/Department: Gerardo Olivares, NIAR-Crash Dynamics

Sponsor: Federal Aviation Administration

Amount: \$299,972

B6 WING

PI/Department: Caleb Saathoff, NIAR-Composites & Structures

Sponsor: US Navy

Amount: \$9,536

3D SCANS OF AUTONOMOUS ATV

PI/Department: Caleb Saathoff, NIAR-Composites & Structures

Sponsor: Air Force Research Laboratory

Amount: \$ 455

C3 BLADE MATERIAL TESTING - MOD 3

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

Sponsor: US Air Force

Amount: \$6,624

EWD ASSET CAPTURE IN THE NORTH CENTRAL RRC

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

Sponsor: Advanced Robotics for Manufacturing Institute / US Army Contracting Command

Amount: \$250,000

SUSTAINABLE SOLUTIONS TO ENVIRONMENTAL FINANCE

PI/Department: Melissa Walker, Hws of Urban & Public Affairs

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

Amount: \$13,500

THREE YEAR MAINTENANCE & ONLINE ACCESS TO "VACANT LOT COST SAVINGS THROUGH NATURE BASED"

PI/Department: Melissa Walker, Hws of Urban & Public Affairs

Sponsor: Mid-America Regional Council

Amount: \$18,450

VISTA WITH NONPROFIT CHAMBER OF SERVICE

PI/Department: Scott Wituk, Community Engagement Institute

Sponsor: Nonprofit Chamber of Service

Amount: \$4,500

VISTA WITH CHILDREN FIRST

PI/Department: Scott Wituk, Community Engagement Institute

Sponsor: Children First CEO Kansas Inc

Amount: \$4,000

CHRONIC DISEASE ALLIANCE OF KANSAS SUPPORT, KANSAS COMMUNITY HEALTH WORKER COALITION SUPPORT AND KANSAS COMMUNITY HEALTH WORKER SYMPOSIUM CONTINUATION

PI/Department: Scott Wituk, Community Engagement Institute

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

Amount: \$90,000

COALITION PRIORITY PLANNING PROPOSAL

PI/Department: Scott Wituk, Community Engagement Institute

Sponsor: Wildcat Extension District 14

Amount: \$12,580

LOSS OF CHILDREN'S ACUTE CRISIS BEDS IN WESTERN KANSAS

PI/Department: Scott Wituk, Community Engagement Institute

Sponsor: United Methodist Health Ministry Fund

Amount: \$27,000

STRATEGIC PLANNING

PI/Department: Scott Wituk, Community Engagement Institute

Sponsor: Sedgwick County

Amount: \$6,845

COMMUNITY HEALTH NEEDS ASSESSMENT

PI/Department: Scott Wituk, Community Engagement Institute

Sponsor: Friends of Kiowa District Hospital and Manor Foundation, Inc

Amount: \$7,865

SUPPORT FOR THE IMPLEMENTATION OF ONECARE KANSAS

PI/Department: Scott Wituk, Community Engagement Institute

Sponsor: Topeka Community Foundation

Amount: \$74,924

SAFE STREETS WICHITA - EVALUATION OF DRUG FREE COMMUNITIES, YEAR 2

PI/Department: Scott Wituk, Community Engagement Institute

Sponsor: Partners For Wichita Inc / Substance Abuse-Mntl Health Srv Adm

Amount: \$4,200

ASSET OPTIMIZATION IN TRANSMISSION PLANNING

PI/Department: Mehmet Yildirim, Industrial & Manufacturing Eng

Sponsor: Sunflower Electric Power Corporation

Amount: \$80,000

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.

Funding Agency: U.S. Department of Agriculture (USDA)

Title: [CNRCS' Conservation Innovation Grants \(CIG\) – for Federal fiscal year \(FY\) 2020 - Kansas](#)

Application Deadline: June 26, 2020

Purpose: “To stimulate the development and adoption of innovative conservation approaches and technologies in conjunction with agricultural production.”

Amount: \$20,000-\$75,000 for one to three years

Funding Agency: National Endowment for the Humanities (NEH)

Title: [Digital Projects for the Public](#)

Application Deadline: June 10, 2020

Purpose: “Projects that interpret and analyze humanities content in primarily digital platforms and formats, such as websites, mobile applications and tours, interactive touch screens and kiosks, games, and virtual environments.”

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

Funding Agency: National Science Foundation (NSF), Directorate for Geosciences

Title: [Atmospheric and Geospace Sciences Postdoctoral Research Fellowships](#)

Application Deadline: Proposals Accepted Anytime

Purpose: “The Division of Atmospheric and Geospace Sciences (AGS) awards Postdoctoral Research Fellowships (PRF) to highly qualified investigators within 3 years of obtaining their PhD to carry out an independent research program. The research plan of each Fellowship must address scientific questions within the scope of AGS disciplines. The program supports researchers with Fellowships that can be taken to the institution or national facility of their choice.”

Amount: \$94,000 (year one) and \$96,000 (year two)

Funding Agency: National Science Foundation (NSF), Division of Chemistry

Title: [Disciplinary Research Programs \(CHE-DRP\)](#)

Application Deadline: September 30, 2020

Purpose: “CHE supports a large and vibrant research community engaged in fundamental discovery, invention, and innovation in the chemical sciences. The projects supported by CHE explore the frontiers of chemical science, develop the foundations for future technologies and industries that meet changing societal needs, and prepare the next generation of chemical researchers.”

Amount: \$150,000 (approximately) per year for three years

Funding Agency: National Science Foundation (NSF)

Title: Centers for Chemical Innovation (CCI)

Application Deadline: Phase I Preliminary Proposals: August 11, 2020 // Full Proposals: by invitation only

Purpose: “The Centers for Chemical Innovation (CCI) Program supports research centers focused on major, long-term fundamental chemical research challenges. CCIs that address these challenges will produce transformative research, lead to innovation, and attract broad scientific and public interest. CCIs are agile structures that can respond rapidly to emerging opportunities through enhanced collaborations. CCIs integrate research, innovation, education, broadening participation, and informal science communication.”

Amount: \$1,800,000 for three years (Phase I)

Funding Agency: National Science Foundation (NSF)

LIMITED

Title: Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science (NSF INCLUDES)

Application Deadline: Internal Due Date: August 14, 2020 – Noon // LOI: October 5, 2020 // Full Proposal: January 26, 2021

Purpose: “With this solicitation, NSF is continuing to offer opportunities to propose an NSF INCLUDES Alliance that has the potential to substantially broaden the participation of individuals from underrepresented and underserved groups in STEM, especially in STEM fields that lack diversity. Alliances use lessons learned, promising practices, evidence-based mechanisms, the science of broadening participation, and the research and evaluations from past and present efforts related to broadening participation in STEM. Alliances bring together programs, people, organizations, technologies, and

institutions to achieve results at scale, provide new research, and leverage NSF's broadening participation investments. Each Alliance is committed to collectively achieving common goals through a well-defined set of common objectives."

Amount: \$1,000,000-\$2,000,000 per year for five years

Please note that this is a Limited Submission. You must email proposals@wichita.edu by the Internal Due Date if you are interested in submitting for this opportunity.

Award Agency: National Science Foundation (NSF)

Title: [Dear Colleague Letter: Request for Information on Future Topics for the NSF Convergence Accelerator and Call for Future Topics Conference Proposals](#)

Application Deadline: May 29, 2020

Purpose: "The objectives of this DCL are to (1) solicit ideas in use-inspired research for NSF Convergence Accelerator tracks for FY 2021 that build upon prior foundational research in the lotF, NSF's Big Ideas or other areas of research related to areas of national importance; and (2) solicit conference proposals to develop and refine those ideas to develop the technical content that will be used in a future solicitation. The topics must emphasize convergence research, which requires deep interdisciplinary collaborations."

Amount: N/A

Funding Agency: National Science Foundation (NSF)

*****LIMITED*****

Title: [Major Research Instrumentation Program \(MRI\)](#)

Application Deadline: Internal Due Date: July 14, 2020 at Noon // Full Proposal: January 19, 2021

Purpose: "The Major Research Instrumentation (MRI) Program serves to increase access to multi-user scientific and engineering instrumentation for research and research training in our Nation's institutions of higher education and not-for-profit scientific/engineering research organizations. An MRI award supports the acquisition or development of a multi-user research instrument that is, in general, too costly and/or not appropriate for support through other NSF programs. MRI provides support to acquire

critical research instrumentation without which advances in fundamental science and engineering research may not otherwise occur. MRI also provides support to develop next-generation research instruments that open new opportunities to advance the frontiers in science and engineering research. Additionally, an MRI award is expected to enhance research training of students who will become the next generation of instrument users, designers and builders.”

Amount: Track 1: Greater than \$100,000 and less than \$1,000,000; Track 2: \$1,000,000-\$4,000,000.

Please note that this is a Limited Submission. WSU may only submit two Track 1 proposals and only one Track 2 proposal. You must email proposals@wichita.edu by the Internal Due Date if you are interested in submitting for this opportunity.

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

Title: [Investigator-Initiated Research Grants](#)

Application Deadline: LOI: June 29, 2020 by 4:00 PM // Full Proposal (if invited) will be due in September.

Purpose: “To support innovative health services research that will advance the existing knowledge base in the areas of health care financing, delivery, management and/or policy. Studies must have strong potential to yield insights that can be used to have a positive impact on the U.S. health care system by improving efficiency, quality, access to care, preparedness or equity. Studies involving direct patient care or clinical, bench science research are not relevant for this solicitation.”

Amount: TBD; previous award amounts have been around \$50,000 each.

Funding Agency: National Institutes for Health (NIH)

*****LIMITED*****

Title: [Intellectual and Developmental Disabilities Research Centers 2021 \(P50 Clinical Trial Optional\)](#)

Application Deadline: Internal Due Date: June 26, 2020 Noon // LOI: July 14, 2020 // Full Proposal: August 14, 2020

Purpose: The purpose of this Funding Opportunity Announcement (FOA) is to seek applications for the Eunice Kennedy Shriver Intellectual and Developmental Disabilities

Research Centers (IDDRCs). This FOA invites applications for research center grants designed to advance the diagnosis, prevention, treatment, and amelioration of intellectual and developmental disabilities (IDD).

Amount: \$800,000 per year - five years

Please note that this is a Limited Submission. You must email proposals@wichita.edu by the Internal Due Date if you are interested in submitting for this opportunity.

Funding Agency: National Institutes of Health (NIH)

*****LIMITED*****

Title: [NIAMS Rheumatic Diseases Research Resource-based Centers \(P30 - Clinical Trial Not Allowed\)](#)

Application Deadline: Internal Due Date: August 18, 2020 Noon // LOI: September 6, 2020 // Full Proposal: October 6, 2020

Purpose: The National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) requests applications for the NIAMS Resource-based Centers Program (P30) for rheumatic diseases research areas within its mission.

Amount: \$500,000 per year - five years

Please note that this is a Limited Submission. You must email proposals@wichita.edu by the Internal Due Date if you are interested in submitting for this opportunity.

Funding Agency: Congressionally Directed Medical Research Programs - Dept of the Army

Title: [PRMRP Investigator-Initiated Research Award for Emerging Viral Diseases and Respiratory Health](#)

Application Deadline: Pre-Proposal: May 28, 2020 // Full Proposal: June 12, 2020

Purpose: The Investigator-Initiated Research Award is designed to support research with the potential to yield highly impactful data that could lead to critical discoveries or major advancements. The application must clearly demonstrate the project's potential short-term and long-term outcome(s)/product(s) (knowledge and/or materiel) and how

they will impact a critical problem or question in the field of research and/or patient care in one or more Focus Areas published in this funding opportunity for the FY20 PRMRP Topic Area(s) of Emerging Viral Diseases and/or Respiratory Health.

Amount: \$1.6 million

Funding Agency: Congressionally Directed Medical Research Programs - Dept of the Army

Title: [PRMRP Technology/Therapeutic Development Award for Emerging Viral Diseases and Respiratory Health](#)

Application Deadline: Pre-Proposal: May 28, 2020 // Full Proposal: June 12, 2020

Purpose: The PRMRP Technology/Therapeutic Development Award is a product-driven award mechanism intended to provide support for the translation of promising preclinical findings into products for clinical applications in one or more Focus Areas published in this funding opportunity for the FY20 PRMRP Topic Areas of Emerging Viral Diseases and/or Respiratory Health.

Amount: \$5 million

Funding Agency: Arnold and Mabel Beckman Foundation

Title: [Beckman Young Investigator Program](#)

Application Deadline: LOI: August 3, 2020; If invited, full proposal will be due January 11, 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 over four years (\$150,000 per year, contingent on demonstrated progress after first year)

Award Agency: Federation of American Societies for Experimental Biology (FASEB)

Title: [BioArt Scientific Image & Video Competition](#)

Application Deadline: August 30, 2020

Purpose: Each day, scientific investigators produce thousands of images and videos as a part of their research; however, only a few are ever seen outside of the laboratory. Through the BioArt competition, FASEB aims to share the beauty and breadth of biological research with the public by celebrating the art of science.

Amount: Unknown if monetary award

Funding Agency: The Sumners' Foundation

Title: [Grants to USA Nonprofits for Civic Education and Activities](#)

Application Deadline: August 1, 2020

Purpose: "Grants to USA nonprofit organizations in multiple states for civic educational programs and activities. Funding is intended to support teacher training as well as activities that educate and engage the public in the political process and government. Foundation grants are generally restricted to programming in Texas, New Mexico, and Oklahoma, although programs in Louisiana, Arkansas, Kansas, Nebraska, and Missouri occasionally are made to qualified organizations."

Amount: Unknown

Contact the WSU Foundation for more information by emailing Julia.Nkanata@wichita.edu

Funding Agency: Russell Sage Foundation

Title: [Research Grants: Future of Work](#)

Application Deadline: Letter of Inquiry August 5, 2020 // Full if invited November 19, 2020

Purpose: "Grants to USA researchers for studies related to the impact of changing economies for less-skilled workers. Applicants must submit an LOI prior to apply. Due to the COVID-19/Coronavirus pandemic, research should address social, political, economic, or psychological disruptions of the health crisis that affect social and living

conditions. Funding is intended to support investigator-initiated research that will broaden understanding of the role of changes in employer practices, the nature of the labor market and public policies on the employment, earnings, and the quality of jobs of workers. The Russell Sage Foundation is especially interested in proposals that address important questions about the interplay of market and non-market forces in shaping the wellbeing of workers, today and in the future.”

Amount: \$175,000 for two-year Trustee Grants // \$35,000 for Presidential Awards // \$50,000 for Data Gathering Related Projects

EDUCATION/TRAINING

Jumpstart Summer Grantsmanship Webinar Series (sponsored by [NSF HSI STEM HUB](#))

Weekly on Tuesdays, May 12 through July 28, 2020

2:00 – 3:00 PM Central

The webinar topics include: Insights from Recent HSI Awardees, Framing Student Success, Developing Research Questions, Key Personnel & Letters of Commitment, Biosketches & Evaluation, Developing Budget and Budget Narrative, Institutional Capacity and Open Sessions for Discussion.

[Register in advance for individual sessions or the entire webinar series](#)

National Science Foundation Earth Sciences Virtual “Navigating the NSF System”

May 21, 2020

2:00 – 3:30 PM Central

The Acting Head of the Disciplinary Programs Section and Program Director for Petrology and Geochemistry, Dr. Jennifer Wade, will conduct the session. In the past, this session has been presented at AGU in workshop format. The session will consist of a presentation by Dr. Wade as well as a Q&A portion. This session is aimed at scientists thinking about applying for NSF funding for the first time. Dr. Wade will discuss the NSF merit review process and criteria. EAR is committed to assuring current and future PIs that NSF embraces direct interaction with program staff – we are accessible and supportive and want them to succeed.

[Register in advance to attend this webinar](#)

Collaborative Institutional Training Initiative (CITI) Webinars

Ongoing

Free CITI webinars are available on important topics related to COVID-19. The Office of Research encourages you to stay up to date with any required CITI trainings to prevent proposal submission or award delays. Commonly assigned CITI trainings include the Responsible Conduct of Research course titled “Externally Funded Researchers”.

Access to the webinars and other resources is available [here](#).

National Institutes of Health VideoCast Opportunities

Ongoing

Stay up to date with the National Institutes of Health through their VideoCast webpage. Webcasts are available on many topics such as a previously recorded webcast on “Sharing, Discovering and Citing COVID-19 Data and Code” and upcoming webcasts such as “Pregnancy and Maternal Conditions That Increase Risk of Morbidity and Mortality Workshop.”

[Past Events](#) and [Upcoming Events](#)