



WICHITA STATE
UNIVERSITY
OFFICE OF RESEARCH

INSIDE RESEARCH & Funding Opportunities

News, Events and Resources for the WSU Research Community

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JUNE 2021

Congratulations to those who received grants in May 2021! Please help the WSU community stay informed by forwarding any notices of funding opportunities and/or training sessions to 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, Vice Provost for Research

AWARDS

RICE COUNTY COMMUNITY FOUNDATION PROPOSAL

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

Sponsor: Rice County Community Foundation

Amount: \$5,700

MULTISCALAR ANALYSIS ON NM POTTERY

PI/Department: Crystal Dozier, Anthropology

Sponsor: Versar, Inc.

Amount: \$4,597

AMERICAN RESCUE PLAN ACT STABILIZATION GRANT

PI/Department: Debra Fraser, KMUW

Sponsor: Corporation for Public Broadcasting

Amount: \$172,774

**EVALUATION OF THE USE OF MOBILE LEARNING APPLICATIONS FOR ATO
TECHNICAL TRAINING - WISU - WDT002.**

PI/Department: Quan Lei, Psychology

Co-PI/Department: Carryl Baldwin, Psychology

Sponsor: Federal Aviation Administration

Amount: \$30,340

**UNDERSTANDING NATIONALISM IN CHINA IN THE CRISIS OF COVID -19
PANDEMIC**

PI/Department: Xiufen Lu, Philosophy

Sponsor: State of Kansas-ARCS

Amount: \$4,000

REU STUDENT POSITION FOR SUMMER 2021

PI/Department: Thomas Luhring, Biological Sciences

Sponsor: University of Kansas Ctr - Research INC / Natl Science Foundation

Amount: \$9,480

**CRII: FET: QUANTUM BAYESIAN NETWORK SIMULATION THROUGH EFFICIENT
REPRESENTATION, TRANSPILATION, AND UNCERTAINTY QUANTIFICATION**

PI/Department: Saideep Nannapaneni, Industrial & Manufacturing Eng

Sponsor: Natl Science Foundation

Amount: \$175,000

QUANTUM ALGORITHMS FOR REAL-TIME PROGNOSTICS AND HEALTH MANAGEMENT (FEDERAL)

PI/Department: Saideep Nannapaneni, Industrial & Manufacturing Eng

Co-PI/Department: James Steck, Aerospace Engineering

Sponsor: Natl Aeronautics & Space Admn

Amount: \$11,003

QUANTUM ALGORITHMS FOR REAL-TIME PROGNOSTICS AND HEALTH MANAGEMENT (STATE)

PI/Department: Saideep Nannapaneni, Industrial & Manufacturing Eng

Co-PI/Department: James Steck, Aerospace Engineering

Sponsor: Kansas Board of Regents

Amount: \$7,453

EXPERIMENTAL AND MATHEMATICAL BIOMECHANICS INJURY RESEARCH

PI/Department: Gerardo Olivares, NIAR-Crash Dynamics

Sponsor: National Highway Traffic Safety Administration

Amount: \$355

MOCK TRIAL - IVIVAST

PI/Department: Lisa Parcell, The Research Partnership

Co-PI/Department: Jeffrey Jarman, The Research Partnership

Sponsor: Tsongas

Amount: \$5,000

ADVANCED NONDESTRUCTIVE INSPECTION SYSTEM FOR DEVELOPMENT OF ENHANCED PROCESSING STRATEGIES FOR SMART SUSTAINMENT OF COMPOSITE STRUCTURES

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

Co-PI/Department: John Tomblin, Nat'l Institute for Aviation Res| Caleb Saathoff, NIAR-Composites & Structures

Sponsor: Office of Naval Research

Amount: \$1,500,000

DESIGN OPTIMIZATION OF HIGH-PRESSURE RESIN TRANSFER MOLDING PROCESS FOR AIRCRAFT STRUCTURAL APPLICATION

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

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

Sponsor: Office of Naval Research

Amount: \$429,440

INTEGRATED THERMOPLASTIC CONTINUOUS FILAMENT FABRICATION AND FUSED FILAMENT FABRICATION FOR RAPID MANUFACTURING OF AIRCRAFT STRUCTURES FOR SUSTAINMENT

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

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

Sponsor: Office of Naval Research

Amount: \$1,500,000

AUTOMATED MANUFACTURING TECHNOLOGIES WITH MACHINE-LEARNING AND ARTIFICIAL INTELLIGENCE FOR SMART SUSTAINMENT

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

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

Sponsor: Office of Naval Research

Amount: \$1,411,931

CHARACTERIZATION OF THE VULNERABILITY OF COMPOSITE AIRCRAFT

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

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

Sponsor: Federal Aviation Administration

Amount: \$178,800

IDENTIFYING THE HEALTH BENEFITS OF CITY BIKE INFRASTRUCTURE EXPANSION POLICY

PI/Department: Ruowen Shen, HWS of Urban & Public Affairs

Sponsor: State of Kansas-ARCS

Amount: \$3,989

"EMERGING TALENTS" WORKSHOP FOR GRADUATE STUDENTS AT THE JOINT MEETING 15TH CONFERENCE ON NATURALISTIC DECISION MAKING AND 9TH SYMPOSIUM ON RESILIENCE ENGINEERING

PI/Department: Joel Suss, Psychology

Sponsor: Oak Ridge Associated Universities, Inc.

Amount: \$4,000

HIGH TEMPERATURE UNIVERSAL TEST SYSTEM FOR ADVANCED MATERIALS

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

Co-PI/Department: Waruna Seneviratne, NIAR-Composites & Structures| Rachael Missri-Andrulonis, NIAR-Composites & Structures| Matthew Opliger, NIAR-Composites & Structures

Sponsor: Office of Naval Research

Amount: \$1,499,122

INSPECTION AND FRACTOGRAPHIC ANALYSIS TO DEVELOP A DIGITAL TWIN FOR A LEGACY AIRCRAFT - PHASE II - MOD 03

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

Co-PI/Department: Melinda Laubach-Hock, Nat'l Institute for Aviation Res| David Jones, NIAR-EDM Lab

Sponsor: National Center for Manufacturing Sciences / Department of Defense

Amount: \$335,790

WICHITA STATE UNIVERSITY UPWARD BOUND REGULAR PROGRAM IN COMMUNICATION

PI/Department: Carla Williams, Elliott School of Communication

Sponsor: Department of Education-US

Amount: \$10,064

WSU TRAINING & COMMUNITY ENGAGEMENT INSTITUTE

PI/Department: Scott Wituk, Community Engagement Institute

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

Amount: \$1,233,243

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!

Funding Agency: NIH Blueprint for Neuroscience Research

Title: [Blueprint MedTech Pilot Program](#)

Application Deadline: Required Letter of Intent due June 21, 2021

Purpose: "In support of the Blueprint MedTech Pilot, the POCTRN at CIMIT seeks groundbreaking collaborative research projects in the early stages of translation to improve the diagnosis and treatment of disorders of the nervous system. Applications must present potentially transformative solutions to unmet needs with an ultimate goal of improving healthcare outcomes. If successful, projects should be viable candidates for commercial development. Awards up to \$100K total cost are available to the most promising and innovative neurotechnologies to help support their development journey toward commercialization. Awardees will also have the unique opportunity to work directly with mentors experienced in commercializing neurotech devices to help address project related business, regulatory, clinical, and technical issues."

Amount: \$100,000

Funding Agency: National Academies of Sciences Engineering Medicine

Title: [Bridging Knowledge to Action](#)

Application Deadline: Required Letter of Intent due June 29, 2021; Full applications will be due July 16, 2021 if invited.

Purpose: "The Gulf Research Program (GRP) is developing new programming around health and community resilience that prioritizes the needs and challenges of communities that are disproportionately at risk from climate hazards or other disasters. The GRP's new funding opportunity seeks projects that demonstrate how the use of data can help state/local/tribal governments achieve more equitable outcomes associated with climate hazards or other disasters in order to address the needs or challenges of communities that are disproportionately at risk."

Amount: \$300,000

Funding Agency: Infinite Hero Foundation

Title: [Grants](#)

Application Deadline: Letters of Inquiry due July 1, 2021

Purpose: "Since our inception in 2012, Infinite Hero Foundation has awarded more than \$4.75 million dollars in funding and support to 37 different military service organizations offering innovative and effective programs or treatments for service-related mental and physical injuries."

Amount: \$100,000

Funding Agency: American Psychological Association

Title: [Marian R. Stuart Grant](#)

Application Deadline: July 1, 2021

Purpose: "The Marian R. Stuart Grant will further the research, practice, or education of an early career psychologist on the connection between mental and physical health, particularly for work that contributes to public health."

Amount: \$20,000

Funding Agency: US Department of Justice, Office for Victims of Crime

Title: [OVC FY 2021 Fostering Resilience and Hope: Bridging the Gap Between Law Enforcement and the Community](#)

Application Deadline: July 6, 2021

Purpose: "This program will support the development, implementation, and dissemination of a train-the-trainer trauma-informed, hope-centered framework to assist law enforcement officers with addressing trauma and adversity in order to repair and rebuild relationships within the community."

Amount: \$750,000-\$1,000,000

Funding Agency: U.S. Department of Agriculture

Title: [Assistance to High Energy Cost Communities](#)

Application Deadline: July 6, 2021

Purpose: “The Rural Utilities Service (RUS), an agency of the United States Department of Agriculture (USDA) announces the availability of up to \$10 million in competitive grants to assist communities with extremely high energy costs. The grant funds may be used to acquire, construct, or improve energy generation, transmission, or distribution facilities serving communities where the average annual residential expenditure for energy exceeds 275% of the national average. Eligible projects also include on-grid and off-grid renewable energy projects and the implementation of energy efficiency and energy conservation projects for eligible communities. Projects cannot be for the primary benefit of a single household or business. Grant funds may not be used for the preparation of the grant application, operating costs, or for the purchase of any equipment, structures, or real estate not directly associated with the provision of community energy services.”

Amount: \$100,000 - \$3,000,000

Funding Agency: National Science Foundation

Title: [Racial Equity in STEM Education](#)

Application Deadline: Next two submission windows are July 13, 2021 and October 12, 2021; Prospective PIs are encouraged to send a one-page concept paper in advance of submission.

Purpose: “Persistent racial injustices and inequalities in the United States have led to renewed concern and interest in addressing systemic racism. The National Science Foundation (NSF) Directorate for Education and Human Resources (EHR) seeks to support bold, ground-breaking, and potentially transformative projects addressing systemic racism in STEM. Proposals should advance racial equity in science, technology, engineering, and mathematics (STEM) education and workforce development through research (both fundamental and applied) and practice. Core to this funding opportunity is that proposals are led by, or developed and led in authentic partnership with, individuals and communities most impacted by the inequities caused by systemic racism. The voices, knowledge, and experiences of those who have been impacted by enduring racial inequities should be at the center of these proposals, including in, for example: project leadership and research positions, conceptualization of the proposal, decision-making processes, and the interpretation and dissemination of evidence and research results. The proposed work should provide positive outcomes for the individuals and communities engaged and should recognize peoples’ humanity, experiences, and resilience. Proposals need to consider systemic barriers to opportunities and benefits, and how these barriers impact access to, retention in, and success in STEM education, research, and workforce development. Competitive proposals will be clear with respect to how the work advances racial equity and addresses systemic racism, as these constructs may have different meanings in different settings.”

Amount: Standard NSF Grant

Funding Agency: U.S. Department of Energy: National Nuclear Security Administration (NNSA)

Title: [Stewardship Science Academic Alliances](#)

Application Deadline: Letter of Intent due July 16, 2021

Purpose: “The Defense Programs’ Office of Research, Development, Test, and Evaluation within the Department of Energy’s (DOE) National Nuclear Security Administration (NNSA), directs research and development activities to maintain the safety, security, and effectiveness of the nation’s nuclear weapons stockpile. This nuclear deterrent remains a vital part of our national security infrastructure. It maintains strategic stability, deters potential adversaries, and reassures our allies and partners of our security commitments. Since 1992, the United States has observed the moratorium on underground nuclear testing while significantly decreasing the size of its nuclear arsenal. National Policy required NNSA and its weapons laboratories to institute the science-based Stockpile Stewardship Program (SSP) to ensure the safety, security, and effectiveness of the stockpile, while allowing the country to pursue a variety of nonproliferation and disarmament goals. The SSP combines sophisticated experiments, highly accurate physics modeling, and improved computational power to simulate and predict nuclear weapon performance over a wide range of conditions and scenarios. The Stewardship Science Academic Alliances (SSAA) Program was established in 2002 to support state-of-the-art research at U.S. academic institutions in areas of fundamental physical science and technology of relevance to the SSP mission. The SSAA Program provides the research experience necessary to maintain a cadre of trained scientists and engineers at U.S. universities to meet the nation’s current and future SSP needs, with a focus on those areas not supported by other federal agencies. It supports the DOE/NNSA’s priorities both to address the workforce specific needs in science, technology, engineering, and mathematics and to support the next generation of professionals who will meet those needs.”

Amount: \$50,000-\$300,000 per year

Funding Agency: National Institutes of Health

Title: [Data Generation Projects for the NIH Bridge to Artificial Intelligence \(Bridge2AI\) Program \(OT2\) Other Transaction Opportunity Announcement](#)

Application Deadline: Letter of Intent required by July 20, 2021; Full Applications will be due August 20, 2021

Purpose: “This Research Opportunity Announcement (ROA) invites proposals to the NIH Bridge to Artificial Intelligence (Bridge2AI) Program, soliciting Data Generation Projects to create flagship datasets based on ethical principles, associated standards and tools, and skills and workforce development to address biomedical and behavioral research grand challenges that require artificial intelligence and machine-learning (AI/ML) analysis.”

Amount: The planned budget for this effort is approximately \$96 million over a 4-year period. NIH anticipates making 5-8 data generation awards. However, NIH Common Fund procedures and OT mechanisms allow for significant flexibilities and adjustments as may be necessary to pursue catalytic and transformative initiatives.

Funding Agency: U.S. Department of Energy

Title: [WELLS OF OPPORTUNITY \(WOO\): AMPLIFY II & REAMPLIFY](#)

Application Deadline: July 26, 2021; NOTE – an informational webinar to be held on June 30, 2021

Purpose: “Through the FY21 Wells of Opportunity (referred to as WOO going forward) FOA, GTO is soliciting geothermal and hydrocarbon well owners or operators with existing wells that are willing to partner with DOE to advance and test EGS technologies in-situ. These wells could be “idle” or currently used for injection, production, and/or monitoring. Due to the criticality of the technology prototyping and methodology testing phase of research and development in the innovation pipeline, this FOA focuses on active field testing, where the Federal government takes on the majority of the associated cost and risks.”

Amount: \$450,000-\$2,500,000

Funding Agency: Russell Sage Foundation

Title: [Race, Ethnicity, and Immigration](#)

Application Deadline: Letter of Intent due July 28, 2021

Purpose: “The Russell Sage Foundation’s program on Race, Ethnicity & Immigration supports innovative investigator-initiated research on the social, economic, and political effects of the changing racial and ethnic composition of the U.S. population, including the transformation of communities and ideas about what it means to be American. We are especially interested in research that examines the roles of race, ethnicity, nativity, gender and legal status in outcomes for immigrants, U.S.-born racial and ethnic minorities, and native-born whites. RSF encourages multi-disciplinary perspectives and methods that both strengthen the data, theory, and methods of social science research and foster a better understanding of how to foster the ideals of a pluralist society. Proposals may focus on any one or more of the issues—race, and/or ethnicity, and/or immigration.”

Amount: Trustee Grants are generally capped at \$175,000, including 15% indirect costs, over a two-year period. Presidential Awards are capped at \$35,000 (no indirect costs). PIs may request up to \$50,000 (no indirect costs) when the proposed research project has special needs for gathering data (e.g.: qualitative research) or gaining access to restricted-use data.

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

Title: [Summer Stipends](#)

Application Deadline: ***Limited*** Because WSU may only submit one application, *Notices of Intent* to apply must be sent to proposals@wichita.edu by August 1, 2021 at 12noon, in case an internal competition is needed. You will be informed if you have been chosen to proceed by August 22, 2021. Applications to the funder (if selected) will be due by September 22, 2021.

Purpose: The National Endowment for the Humanities' Summer Stipends program aims to stimulate new research in the humanities and its publication. The program works to accomplish this goal by:

- Providing small awards to individuals pursuing advanced research that is of value to humanities scholars, general audiences, or both
- Supporting projects at any stage of development, but especially early-stage research and late-stage writing in which small awards are most effective
- Furthering the NEH's commitment to diversity and inclusion in the humanities by encouraging applications from independent scholars and faculty at Hispanic Serving Institutions, Historically Black Colleges and Universities, Tribal Colleges and Universities, and community colleges

Amount: \$6,000

Funding Agency: American Foundation for Suicide Prevention

Title: [Research Grants](#)

Application Deadline: Letter of Intent due August 1, 2021 for Focus Grants; Due Date November 15, 2021 for all Innovation Grants

Purpose: “Our research grants support studies that will increase our understanding of suicide or test treatments and other interventions that save lives.”

Amount: Focus Grants are \$300,000 per year for three years; Standard Research Innovation Grants are \$100,000 over two years.

Funding Agency: William T. Grant Foundation

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

Application Deadline: Letter of Intent due August 4, 2021

Purpose: “Over the past decade, a growing body of research has illuminated the conditions that facilitate the use of research evidence in policy and practice. For example, studies find that when research is relevant to decision makers, deliberated over thoughtfully, and embedded in policymaking processes, routines, and tools, the findings are more likely to be used. Still, there remain many unanswered questions that are critical to understanding how to improve the production and use of research evidence. What’s more, there is a scarcity of evidence supporting the notion that research use in policy and practice will necessarily improve youth outcomes. Serious scientific inquiry is needed. We need to know the conditions under which using research evidence improves decision making, policy implementation, service delivery, and, ultimately, youth outcomes. In short, we need research on the use of research.”

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

Funding Agency: William T. Grant Foundation

Title: [Research Grants on Reducing Inequality](#)

Application Deadline: Letter of Intent due August 4, 2021

Purpose: “Our focus on reducing inequality grew out of our view that research can do more than help us understand the problem of inequality—it can generate effective responses. We believe that it is time to build stronger bodies of knowledge on how to reduce inequality in the United States and to move beyond the mounting research evidence about the scope, causes, and consequences of inequality. Toward this end, we seek studies that aim to build, test, or increase understanding of programs, policies, or practices to reduce inequality in the academic, social, behavioral, or economic outcomes of young people. We prioritize studies about reducing inequality on the basis of race, ethnicity, economic standing, language minority status, or immigrant origins.”

Amount: \$100,000-\$600,000

Funding Agency: U.S. Environmental Protection Agency

Title: [Trash Free Waters – Preventing More, Picking Up Less](#)

Application Deadline: August 6, 2021

Purpose: “This Request for Applications (RFA) solicits applications from eligible entities for grants and/or cooperative agreements to be awarded. These awards will improve water quality, habitat, community resilience, and environmental education in the Gulf of Mexico watershed within the Continental United States (see individual funding opportunities for geographic specifications). For a list of projects funded by the Gulf of Mexico Division (GMD) under previous RFAs, please see the EPA Gulf of Mexico story map. EPA is seeking applications for projects within the four funding opportunities listed below, each of which has a separate Funding Opportunity Number (FON) and is separately posted on www.grants.gov.”

Amount: \$500,000

Funding Agency: U.S. Department of Energy in partnership with Clean Energy Smart Manufacturing Innovation Institute (CESMII)

Title: [Roadmap Projects Request for Proposals \(RFP3\)](#)

Application Deadline: August 10, 2021

Purpose: This is “a \$4.8 million request for proposals (RFP) to develop emerging technologies for the manufacturing sector, including advanced sensors, cloud-based computing, advanced modeling and simulation, and artificial intelligence. These smart manufacturing technologies will improve the productivity and operating efficiency of the manufacturing sector, reduce waste and move the country towards President Biden’s goal of net-zero carbon emissions by 2050.”

Amount: \$400,000-\$1,000,000 depending on topic; note, cost match is required.

Funding Agency: National Historical Publications & Records Commission

Title: [Public Engagement with Historical Records](#)

Application Deadline: Optional Draft due August 10, 2021; Final due October 6, 2021

Purpose: “The National Historical Publications and Records Commission seeks projects that encourage public engagement with historical records, including the development of new tools that enable people to engage online. The NHPRC is looking for projects that create models and technologies that other institutions can freely adopt. In general, collaborations between archivists, documentary editors, historians, educators, and/or community-based individuals are more likely to create a competitive proposal. Projects that focus on innovative methods to introduce primary source materials and how to use them in multiple locations also are more likely to create a competitive proposal.”

Amount: \$50,000-\$150,000

Funding Agency: National Institutes of Health (NIH)

Title: [NIA Research and Entrepreneurial Development Immersion \(REDI\): Mentored Entrepreneurial Career Development Award \(K01 Clinical Trial Not Allowed\)](#)

Application Deadline: August 29, 2021

Purpose: “To boost the number of university startups in the field of aging and to facilitate various career opportunities for early career scientists, NIA is seeking candidates proposing a varied set of experiential learning activities geared towards gaining a broad set of skills and knowledge required of translational scientists and entrepreneurs. This skills and knowledge base includes scientific communications, an understanding of the intellectual property process and landscape, regulatory and reimbursement pathway knowledge, the ability to identify unmet needs within markets and define value propositions, and a clear understanding of the biomedical development path, financing sources, and challenges. The selected candidates should receive structured career development experiences wherein translational aging research is combined with entrepreneurial communications, and/or policy training. The experimental research is expected to be supplemented with participation in entrepreneurial training and business development course-based and experiential learning programs (including course-based and experiential learning entrepreneurial training programs, relevant certificate programs, mentoring programs, etc.), external seminars, invited lectures, and networking with industry. The objective of this award is to provide entrepreneurial development support as well as provide salary and research support for a sustained period of “protected time” for intensive research career development, under the guidance of an experienced mentor or sponsor in the biomedical, behavioral, or clinical sciences leading to independence. Unlike the parent K01 FOA, it is expected that candidates funded through this FOA may pursue careers other than academic research, including but not limited to research careers in industry and scientific business development, including small business development activities and the future submission of NIH small business grant applications.”

Amount: NIH will contribute \$50,000 per year toward the research and career development costs of the award recipient, which must be justified and consistent with the stage of development of the candidate and the proportion of time to be spent in research or career development activities. These funds may be used for the following expenses: (a) tuition and fees related to career development; (b) research-related expenses, such as supplies, equipment and technical personnel; (c) travel to research meetings or training; and (d) statistical services including personnel and computer time. Applicants are encouraged to allocate between 20-50% of these funds to support their participation in entrepreneurial and other relevant training programs.

Funding Agency: March of Dimes

Title: [2022 Research Grants](#)

Application Deadline: September 1, 2021

Purpose: “March of Dimes is actively seeking applications for research grant funding that involve translational and actionable science that will lead directly to interventions or preventions. To meet the urgent need for COVID-19 specific research in maternal-child health, we are supporting investigations into ways to protect and care for women preparing for childbirth, the families caring for a newborn, and healthcare providers in a pandemic climate. The Basil O'Connor Starter Scholar Research Awards (BOC) are funded in a program specifically designed to support scientists just embarking on their independent research careers. Created in 1973 and named for the first March of Dimes chairman and president, this program provides funding to young investigators to start their own research projects on topics related to the March of Dimes mission.”

Amount: Previous awards \$100,000-\$125,000

Funding Agency: Department of Defense DEPSCoR

Title: [Defense Established Programs to Stimulate Competitive Research \(DEPSCoR\) – Research Collaboration and Capacity Building](#)

Application Deadline: White Papers due September 20, 2021

Purpose: “The Research Collaboration funding opportunity seeks proposals that advance knowledge in basic science involving bold and ambitious research that may lead to extraordinary outcomes such as disrupting accepted theories and perspectives. Proposals must be submitted by a pair of researchers in DEPSCoR States/Territories (Applicant and Collaborator) aimed at introducing potential applicants to the DoD’s unique research challenges and its supportive research ecosystem. The Capacity Building funding opportunity aims to support the strategic objectives of IHEs (either individually or in partnership with others) in DEPSCoR States/Territories to achieve basic research excellence in areas of high relevance to the DoD.”

Amount: \$500,000-\$1,000,000

Funding Agency: National Institutes of Health

Title: [NIH Support for Research Excellence – First Independent Research \(SuRE-First\) Award \(R16 - Clinical Trial Not Allowed\)](#)

Application Deadline: September 28, 2021

Purpose: “SuRE is a research capacity building program designed to develop and sustain research excellence in U.S. higher education institutions that receive limited NIH research support and serve students from groups underrepresented in biomedical research (see NOT-OD-20-031) with an emphasis on providing students with research opportunities and enriching the research environment at the applicant institutions. The purpose of SuRE-First awards is to support research grants for faculty investigators who have not had prior independent external research grants.”

Amount: \$125,000 in direct costs per year

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. “We also have three new partnering opportunities in agriculture with Valent, a global leader in sustainable agriculture. On Tuesday, June 19, Valent will be hosting a live, interactive webinar for scientists to learn more. Please invite interested faculty to [register here](#).”

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

EDUCATION / TRAINING

National Institutes of Health: Bridge to Artificial Intelligence (Bridge2AI) Scientific Meetings: June 2021

The new NIH Common Fund initiative Bridge2AI aims to dramatically advance widespread adoption of artificial intelligence (AI) as a tool for biomedical research. Upcoming meetings and previous recordings about the opportunities are available.

[Bridge2AI Meetings and Recordings](#)

NASEM Climate Conversations: Infrastructure: June 17, 2021

Mariette DiChristina (Boston University) will moderate a conversation with John L. Anderson (President of the National Academy of Engineering) and Thomas P. Bostick (former Commanding General of the U.S. Army Corps of Engineers) about the different kinds of infrastructure and systems susceptible to climate impacts, the wide range of engineering solutions that can play a role in building a resilient and net-zero future, and the ways to help prepare the next generation of engineers for such a monumental task.

[Register for Climate Conversation webinar](#)

NASEM NAE-GRP Offshore Energy Colloquium: Lessons (Sometimes) Learned and Often Forgotten: June 22, 2021

Accidents with mass casualties, such as Macondo, occur all too often in disparate domains. Unfortunately, the lessons learned from such experiences often tend to have transitory impact. During this inaugural colloquium, several case studies will be examined to illustrate the challenges of establishing and maintaining appropriate corrective actions. This will lead to a discussion of the critical value added that can be provided by an effective safety culture, notwithstanding the difficulties involved.

[Register for the Offshore Energy Colloquium](#)

Virtual Defense Established Programs to Stimulate Competitive Research (DEPSCoR) Day: June 23, 2021

The Department of Defense will be hosting a Virtual DEPSCoR Day, on June 23rd starting at 10:00AM until ~5:00PM EDT. The Virtual DEPSCoR Day will include overviews of the Research Collaboration and Capacity Building Funding Opportunities, various panel sessions and breakout sessions with Program Officers representing the topics in the Research Collaboration FOA. To participate in the Virtual DEPSCoR Day, you must register in advance no later than JUNE 16, 2021.

[Register for Virtual DEPSCoR Day](#)

NASEM Gulf Research Program Webinar: Perspectives on Climate and Environmental Justice on the Gulf Coast: June 24, 2021

The Gulf Research Program's (GRP) Gulf Health and Resilience Board (GHRB) will convene newly-appointed members of the White House Environmental Justice Advisory Council to discuss critical steps that are being taken or that need to occur to advance climate and environmental justice for all those who call the Gulf of Mexico region home. Audience members will gain critical insight into complex issues and learn about opportunities to equitably improve conditions in the Gulf of Mexico region, particularly within Black, Indigenous and People of Color (BIPOC) communities.

[Register for the NASEM Gulf Research Program webinar](#)

National Science Foundation: Computer and Information Science & Engineering Research Initiation Initiative (CRII) Program Webinar: July 7, 2021

NSF program directors from across CISE will host a 90-minute webinar to provide the CISE community with information about the Computer and Information Science and Engineering (CISE) Research Initiation Initiative (CRII) and answer questions.

[Attend the NSF CRII Program Webinar](#)

National Science Foundation Predictive Intelligence for Pandemic Prevention: July 13, 2021

NSF is presenting a letter on the PIPP Phase I program. This solicitation is for Development Grants as part of NSF's new Predictive Intelligence for Pandemic Prevention (PIPP) initiative. This initiative focuses on fundamental research and capabilities needed to tackle grand challenges in infectious disease pandemics through prediction and prevention. NSF anticipates releasing a Phase II Center Grants solicitation around 2023. Note that submission or award of a Development Grant is not required to participate in the anticipated PIPP Phase II Center Grants competition.

[Attend the NSF Lecture Session](#)

2021 National SBIR Week: July 19 – 23, 2021

The 2021 National SBIR Week is a virtual event connecting entrepreneurs working on advanced technologies to the country's largest source of early stage funding – The Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs. Also known as America's Seed Fund, the SBIR/STTR programs provide over \$4 billion in funding to small businesses each year in a wide variety of technology areas. This event provides you with an opportunity to participate in live streaming panels and presentations with participating federal agencies that administer over 7,000 new awards annually and to meet virtually One on One with program decision makers.

[Register for 2021 National SBIR Week](#)

42nd 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](#)

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](#)

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.

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

National Science Foundation: Disclosure Requirements Related to Biographical Sketches & Current and Pending Support

“In an effort to provide the community with helpful reference information regarding pre-award and post-award disclosure information in the biographical sketch and current and pending support proposal sections, NSF has developed a disclosure table entitled, [NSF Pre-award and Post-award Disclosures Relating to the Biographical Sketch and Current and Pending Support](#), to identify where these disclosures must be provided in proposals as well as in project reports. Proposers and awardees may begin using this resource immediately to assist with completing the relevant proposal and project report sections. As a reminder, current and pending support information is used to assess the capacity of the individual to carry out the research as proposed, as well as to help assess any potential overlap/duplication with the project being proposed.”

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](#)

ORAU Council of Sponsoring Institutions 2021 Annual Meeting – Session Recordings

Wichita State University is a member of ORAU. In March, 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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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)!