


Fall 2021

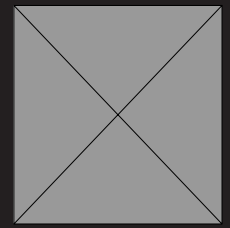
External Funding Bulletin, July - December 2021

UNO Office of Research and Creative Activity

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OFFICE OF RESEARCH AND CREATIVE ACTIVITY



EXTERNAL FUNDING BULLETIN

Congratulations to the recent award recipients!
July 1, 2021 - December 31, 2021

College Department Name	Title	Sponsor	Award
<u>Academic Affairs</u>			
<u>Office of Research & Creative Activity</u>			
Myers, Sara	Great Plains IDEa-CTR	University of Nebraska Medical Center/National Institutes of Health	\$17,580
<u>Project Achieve</u>			
Teamer, Shannon	Project Achieve Grant Renewal	U.S. Department of Education	\$372,920
<u>Student Affairs</u>			
Hughes, Kristina	UNO Waste Reduction and Disposal Diversion Stations and Education Campaign	Nebraska Academy of Sciences/ Nebraska Environmental Trust	\$2,886
<u>Business and Finance</u>			
<u>Child Care Center</u>			
Hove, Dawn	Quality Affordable Child Care and Education For Low-Income Campus Based Students	U.S. Department of Education	\$165,940
	UNO Child Care Center Nebraska Child Care Stabilization Grant	Nebraska Department of Health and Human Services	\$64,400
	PPE for UNO Child Care Center	Nebraska Children and Families Foundation/U.S. Department of Health and Human Services	\$5,550
	Child and Adult Care Food Program (CACFP) Operational Costs Reimbursement	Nebraska Department of Education/ U.S. Department of Agriculture	\$2,095
<u>College of Arts & Sciences</u>			
<u>Biology</u>			
Blankenship, Jill	The genetics of filamentation and pathogenesis in divergent clinical C. albicans isolates	University of Nebraska Medical Center/National Institutes of Health	\$67,390
Cutucache, Christine	A cyber-aware, cyber-secure, cyber-prepared citizenry: Learning in Place in the Heartland	Office of Naval Research	\$120,000

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	A cyber-aware, cyber-secure, cyber-prepared citizenry: Learning in Place in the Heartland	Office of Naval Research	\$56,000
	NE STEM with Multi-media: Building capacity for STEAM initiatives	Collective for Youth/Sherwood Foundation	\$42,284
	Worlds of Connections: Engaging youth with health research through network science and stories in augmented reality	University of Nebraska - Lincoln/National Institutes of Health	\$21,600
	NE STEM 4U "Train-the-Trainer" OST Staff PD and STEM programming	Collective for Youth/Peter Kiewit Foundation	\$9,000
Davis, Paul H.	INBRE DRPP: Investigating Novel Chemotherapeutics Against the Parasite <i>Toxoplasma gondii</i>	University of Nebraska Medical Center/National Institutes of Health	\$67,390
	XPED Phase III Support Fall/Spring/Su 2020-21	National Strategic Research Institute	\$65,000
Denton, Paul W.	Combination Immunotherapy to Improve NK Cell-Mediated ADCC Against Malignant Cells	University of Nebraska Medical Center/National Institutes of Health	\$66,627
Manning, David	Collaborative Research: MRA: ConFines: Continental-scale study of the role of fine particles in riverine material fluxes	National Science Foundation	\$244,235
Tapprich, William	Nebraska research network of functional genomics - Biology parent project 2020-2025	University of Nebraska Medical Center/National Institutes of Health	\$108,633
	Structural Elements in Enterovirus Genomic RNA Responsible for Virulence and Tropism	University of Nebraska Medical Center/National Institutes of Health	\$66,536
Wong, Ryan	CAREER: Impact of stress coping style on cognitive processes and the underlying neuromolecular mechanisms	National Science Foundation	\$50,267
<u>Geography/Geology</u>			
Dere, Ashlee	Network Cluster CINet: Critical Interface Network in Intensively Managed Landscapes	University of Illinois at Urbana-Champaign/National Science Foundation	\$31,072
<u>Health Careers Resource Center</u>			
Davis, Paul H.	AHEC Omaha	University of Nebraska Medical Center/Health Resources and Services Administration	\$120,900
<u>History</u>			
Clark, James	Visit by Prof. Lior Sternberg to UNO	American Institute of Iranian Studies	\$2,074

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<u>Mathematics</u>			
Infante, Nicole	Identifying & Implementing Evidence-Based Online Tutoring Practices: Online Practices for Tutoring In Mathematics Using Meaningful Interactions	National Science Foundation	\$244,228
<u>Office of Latino/Latin American Studies</u>			
Dona, Cristian	Impact of Covid-19 on Latino Businesses in South Omaha	Omaha Community Foundation	\$11,878
	Crisis and Culture of Fear among Latino Communities in the Midwest	University of Houston	\$10,000
<u>Political Science</u>			
Doctor, Austin	Reintegrating the returning spouses and children of foreign terrorist fighters	U.S. Department of Homeland Security	\$159,605
Kilinc, Ramazan	Explaining Minority Political Strategies under Authoritarian Rule: A Comparison of Armenian and Jewish Minority in Turkey	Society for the Scientific Study of Religion	\$5,000
	The Rise and Fall of Muslim Democracy in Turkey	American Political Science Association	\$2,500
McNamara, Patrick	2022-2024 YSEALI Institute on Civic Engagement	U.S. Department of State	\$1,349,707
	Partnership 2020: Leveraging US-India Cooperation in Higher Education to Harness Economic Opportunities and Innovation	U.S. Department of State	\$74,694
Obradovic, Lana	BOLD (BiH Omladinski Lideri, Bosnia and Herzegovina Young Leaders) Academic Fellowships for BiH Student Leaders	U.S. Department of State	\$124,997
<u>Psychology</u>			
Kupzyk, Sara	Interdisciplinary Personnel Preparation in Systemic Behavioral Intervention to Serve School-Age Children with Significant Behavioral Concerns	U.S. Department of Education	\$250,000
<u>Sociology/Anthropology</u>			
Pelton, Julie	Midwest Sociological Society Executive Director	Midwest Sociological Society	\$294,987
<u>College of Business Administration</u>			
<u>Economics</u>			
Decker, Christopher	The Impact of Warrior Group's Business Expansion in the Omaha and Nebraska Economies	WSG Inc.	\$3,011

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<u>Management</u>			
Ligon, Gina	NATIONAL COUNTERTERRORISM, INNOVATION, TECHNOLOGY, AND EDUCATION (NCITE) CENTER	U.S. Department of Homeland Security	\$3,600,000
	TASK ORDER REQUEST FOR PROPOSAL (TORP) # 70RSAT219R00000021	U.S. Department of Homeland Security	\$3,500,000
<u>Nebraska Business Development Center</u>			
Doga, Veronica	Procurement Technical Assistance Center	Defense Logistics Agency	\$751,093
	Procurement Technical Assistant Center 2021	Defense Logistics Agency	\$97,726
Lang, Catherine	Economic Development Administration University Center Economic Development Program	U.S. Economic Development Administration	\$112,000
	Nebraska SBDC Portable Assistance	U.S. Small Business Administration	\$12,500
Nichol-Caddy, Josh	Federal And State Technology (FAST) Partnership Program	U.S. Small Business Administration	\$125,000
<u>College of Communication, Fine Arts & Media</u>			
<u>KVNO</u>			
Allen, Chris	CPB:CSG (Restricted/Unrestricted 9/30/23)	Corporation for Public Broadcasting	\$112,572
<u>School of Music</u>			
Madsen, Pete	UNO Jazz Camp Featuring the Jim Widner Big Band 2022	Mid-America Arts Alliance	\$5,000
Taylor, Kristin	UNO Piano Day 2021	Nebraska Arts Council/National Endowment for the Arts	\$1,350
<u>College of Education, Health, and Human Sciences</u>			
<u>Biomechanics</u>			
Desyatova, Anastasia	Effects of aortic compliance and Windkessel reduction on cardiac and aortic pathophysiology	National Institutes of Health	\$597,696
Likens, Aaron	Repeated Bouts of Physical Stress: A Lab Based Simulated Multiday Mission Scenario	National Strategic Research Institute/U.S. Department of Defense	\$91,104
Stergiou, Nikolaos	Harnessing Movement Variability to Treat and Prevent Motor Related Disorder	National Institutes of Health	\$2,070,473
	Gaitprints as Predictors of Disease and Disability for Effective Rehabilitation Engineering	National Science Foundation	\$279,438

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Takahashi, Kota	Optimizing prosthetic shock absorption for high demand mobility of service members with leg amputation	U.S. Department of Defense	\$1,979,991
Zuniga, Jorge	The influence of 3D printed prostheses on neural activation patterns of the primary motor cortex in children with unilateral congenital upper-limb reductions	National Institutes of Health	\$283,743
	Development and Testing of Recyclable and Antimicrobial Materials for Additive Manufacturing	National Aeronautics and Space Administration	\$32,270
	SHABRI LLC Student Support	SHABRI LLC	\$5,939

School of Health and Kinesiology

Dinkel, Danae	MindLAMP App Development	University of Nebraska Medical Center	\$4,916
	Community Outreach & Engagement Cancer Needs Assessment	University of Nebraska Medical Center/Nebraska Medicine	\$541
Slivka, Dustin	Impact of Muscle Temperature on Muscle Growth and Breakdown	University of Nebraska Medical Center/National Institutes of Health	\$67,390

Special Education & Communication Disorders

Kuhn, Miriam	Experiences of Service Coordinators (SCs) using the Getting Ready framework for home visits	Nebraska Department of Education	\$30,816
Kumke, Jill	NSLHA 2021 Fall Convention	Sertoma International	\$425
Swain, Kristine	OPS Career Ladder in Special Education	Omaha Public Schools/Sherwood Foundation	\$261,040

Teacher Education

Friend, Michelle	Work-Learn: Examining the use of micro-internships to leverage scalable learning for STEM workforce development among people experiencing homelessness	National Science Foundation	\$487,909
Reding, Tracie	Digital Interactions to Enhance Student Belongingness and Engagement	Unizin	\$20,000

College of Information Science & Technology

Computer Science

Chundi, Parvathi	RII Track-2 FEC: Data Driven Material Discovery Center for Bioengineering Innovation	South Dakota School of Mines and Technology/National Science Foundation	\$313,962
Fandinno Garcia, Jorge	FIRST: Answer Set Programming for Quantitative Information	Nebraska EPSCoR/National Science Foundation	\$25,000

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Mastorakis, Spyridon

CRII: CNS: A Hybrid Software Defined Networking-Information Centric Networking Framework for the Reuse of Computation at the Network Edge

National Science Foundation

\$174,736

Information Systems & Quantitative Analysis

Germonprez, Matt

Core Support for Diversity, Equity and Inclusion Program at CHAOSS

Ford Foundation

\$150,000

Khazanchi, Deepak

Efficiency And Quality In Post-Surgical Pain Therapy After Discharge - EQUIPPED

University of Nebraska Medical Center/Agency for Healthcare Research and Quality

\$15,000

Wordpress Web Site for REDD (Dana/Hancock)

Redd Holdings, LLC

\$10,000

School of Interdisciplinary Informatics

Cooper, Kate

E-PACERR: ENHANCING PROFESSIONALISM, ADVOCACY, AND CAPACITY FOR EXCELLENCE IN RESPONSIBLE BIOINFORMATICS RESEARCH

National Institutes of Health

\$85,533

Elson, Joel

Innovation in Targeted Violence and Terrorism Prevention: Developing and Testing an Intelligent Chatbot to Help Individuals Identify Threats and Improve Tips Reporting

U.S. Department of Homeland Security

\$715,102

Fruhling, Ann

Great Plains IDEA-CTR

University of Nebraska Medical Center/National Institutes of Health

\$35,733

Gandhi, Robin

Multilevel Analytics and Data Sharing for Operations Planning (MADS-OPP)

U.S. Army Corps of Engineers

\$4,199,993

Gherzi, Dario

Bioinformatics Analysis of Spatial Transcriptomics Data in Pancreatic Cancer

University of Texas Southwestern/
National Institutes of Health

\$10,284

Hale, Matt

2021 GenCyber Student Program

National Security Agency

\$149,943

Mahoney, William

University of Nebraska at Omaha Scholarship for Service Renewal/Outreach Project

National Science Foundation

\$296,359

College of Public Affairs & Community Service

Aviation Institute

Tarry, Scott

NASA Nebraska Space Grant FY 2020-2024

National Aeronautics and Space Administration

\$800,000

Evaluation of the Use of Mobile Learning Applications for ATO Technical Training - UNO - WDT015

US Federal Aviation Administration

\$54,220

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<u>Center for Public Affairs Research</u>			
Schafer, Josie	Evaluation and Research Internship with Nebraska Investment Finance Authority	Nebraska Investment Finance Authority	\$23,384
	Women in STEM Listen Than Act	Bio Nebraska	\$8,334
	Women in STEM Listen Than Act	Nebraska Coalition for Lifesaving Cures	\$8,334
	2020 Redistricting Central Community College	Central Community College	\$4,419
	2020 Redistricting Northeast Community College	Northeast Community College	\$3,711
	2020 Redistricting Western Nebraska Community College	Western Community College Area	\$3,711
	2020 Redistricting Antelope County	Antelope County, Nebraska	\$3,711
	2020 Redistricting Valley County	Valley County, Nebraska	\$3,510
	2020 Redistricting Boyd County	Boyd County, Nebraska	\$3,500
	2020 Redistricting Hitchcock County	Hitchcock County, Nebraska	\$3,150
	Workforce Solutions Secret Shoppers with Wichita State	Wichita State University	\$3,000
	2020 Redistricting Franklin County	Franklin County, Nebraska	\$1,500
<u>Grace Abbott School of Social Work</u>			
Harder, Jeanette	Drug Overdose Prevention	Nebraska Department of Health and Human Services/Centers for Disease Control	\$103,000
	Child Saving Institute - Family Empowerment Program	Child Saving Institute/U.S. Department of Health and Human Services	\$45,000
	Inclusive Communities Evaluation	Inclusive Communities	\$26,910
	NE DHHS Drug Overdose Prevention: Prescription Drug Monitoring Program 2020-2022	Nebraska Department of Health and Human Services/Centers for Disease Control	\$25,000
	Child Saving Institute - Family Empowerment Program	Child Saving Institute/U.S. Department of Health and Human Services	\$20,000
	Drug Overdose Prevention - Coroners	Nebraska Department of Health and Human Services/Centers for Disease Control	\$20,000
	Healthcare Accessibility for Plain Communities in Missouri: A Needs Assessment	Health Resources and Services Administration	\$8,000

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	Community Action Partnership of Lancaster and Saunders Counties - Community Assessment	Community Action Partnership of Lancaster and Saunders Counties/ U.S. Department of Health and Human Services	\$2,157
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	Girls Rock Evaluation	Girls Rock	\$1,500
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School of Criminology & Criminal Justice

Armstrong, Gaylene	Incidence of ideologically influenced threatening and violent activity in rural communities	University of Nebraska - Lincoln/ U.S. Department of Justice	\$29,098
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Clinkinbeard, Samantha	LEMHWA Evaluation	City of Omaha/U.S. Department of Justice	\$16,206
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Hamilton, Zachary	NDCS Classification and Bed Management Project	Nebraska Department of Correctional Services	\$200,000
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	Validation and recalibration of the Static Risk and Offender Needs Guide - Revised (STRONG-R)	Nebraska Department of Correctional Services	\$94,043
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Hobbs, Anne	Evaluating the One Heart Mentoring Project	Heart of a Champion	\$48,109
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	Examining the intersection of domestic violence, eviction, and racial disparities in Omaha: Toward trauma-informed systems of care	Creighton University/Nebraska Department of Health and Human Services	\$10,709
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Kearns, Erin	Screening for Insider Threats in US Law Enforcement: A national representative sample of department policies and practices	U.S. Department of Homeland Security	\$135,785
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Richards, Tara	Minnesota Sexual Assault Kit Research Project	National Institute of Justice	\$544,105
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	Co-Located Supportive Services to Reduce Recidivism in Batterer Intervention	University of Maryland, Baltimore County/U.S. Department of Justice	\$23,714
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	Application of the multiphase optimization strategy (MOST): targeting pelvic floor dysfunction in rural postpartum mothers	Creighton University/Nebraska Department of Health and Human Services	\$6,140
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School of Public Administration

Tarry, Scott	Development and Testing of Recyclable Antimicrobial Materials for In-Space Manufacturing of Medical Devices	National Aeronautics and Space Administration	\$750,000
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Criss Library

Criss Library Archives & Special Collections

Du Laney, Claire	Charting our Path: UNO Libraries Traveling Exhibits and Speaker Panels	Humanities Nebraska	\$7,300
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<u>Student Success</u>			
<u>Alcohol & Drug Education</u>			
Frillman, Mark	Partnership For Success (PFS) Omaha Collegiate Consortium (OCC)	University of Nebraska - Lincoln/ Nebraska Department of Health and Human Services	\$31,463

Total Award Amount July 1 - December 31, 2021: \$28,086,286