


Summer 2021

External Funding Bulletin, January - June 2021

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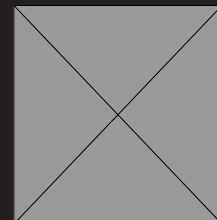
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OFFICE OF RESEARCH AND CREATIVE ACTIVITY



EXTERNAL FUNDING BULLETIN

Congratulations to the recent award recipients!

January 1, 2021 - June 30, 2021

College

Department

Name

Title

Sponsor

Award

Academic Affairs

Gender and Sexuality Resource Center

Hitchins, Jessi

Omaha Consortium of University
of Nebraska Victim and Survivor
Programming and Services

U.S. Department of Justice

\$550,000

Business and Finance

Child Care Center

Hove, Dawn

PPE for UNO Child Care Center

Nebraska Department of Health
and Human Services/U.S.
Department of Health and Human
Services

\$1,200

College of Arts & Sciences

Biology

Blankenship, Jill

The genetics of filamentation and
pathogenesis in divergent clinical *C.*
albicans isolates

University of Nebraska Medical
Center/National Institutes of Health

\$4,395

Cutucache, Christine

Solving the Staffing Shortage (SSS) for
High Quality STEM Programming

Nebraska Children and Families
Foundation/U.S. Department of
Health and Human Services

\$146,652

STEM TRAIL Public Engagement Activities

Nebraska EPSCoR

\$50,000

Worlds of Connections: Engaging youth
with health research through network
science and stories in augmented reality

University of Nebraska - Lincoln/
National Institutes of Health

\$3,245

Davis, Paul H.

Applied Defense Education Pipeline and
Training (ADEPT) Scholars Spring/Su 2021

National Strategic Research
Institute

\$248,114

Applied Defense Education Pipeline and
Training (ADEPT) Scholars Spring/Su 2021

National Strategic Research
Institute/U.S. Department of
Defense

\$123,820

R01 Anti-schisto AR102 drug development

University of Nebraska Medical
Center

\$52,000

XPED Phase III Support Fall/Spring/Su
2020-21

National Strategic Research
Institute

\$50,000

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College Department Name	Title	Sponsor	Award
	INBRE DRPP: Investigating Novel Chemotherapeutics Against the Parasite <i>Toxoplasma gondii</i>	University of Nebraska Medical Center/National Institutes of Health	\$4,395
Denton, Paul W.	Combination Immunotherapy to Improve NK Cell-Mediated ADCC Against Malignant Cells	University of Nebraska Medical Center/National Institutes of Health	\$4,395
	Sialic Acid Modulation of HIV-Associated Chronic Inflammaging	The Wistar Institute of Anatomy and Biology/National Institutes of Health	\$3,000
Lu, Guoqing	Identifying Target Spawning Populations through Genomic Analysis for Directed Management	Mississippi River Basin Panel on Aquatic Nuisance Species	\$76,595
Mustoe, Aaryn	Age-Specific Impacts in Neurocognitive Outcomes Following Prolonged Social Isolation	University of Nebraska Medical Center	\$72,862
Tapprich, William	Structural Elements in Enterovirus Genomic RNA Responsible for Virulence and Tropism	University of Nebraska Medical Center/National Institutes of Health	\$4,395
	Nebraska research network of functional genomics - Biology parent project 2020-2025	University of Nebraska Medical Center/National Institutes of Health	\$43,950
White, Jeremy	Offutt Bat Survey: roost sites for Northern Long-eared Bat and Tricolored Bats. Determine summer colonization and dispersal times for each species	U.S. Fish and Wildlife Service/U.S. Department of Interior	\$42,857
	Bat Inventory and Management at Offutt Air Force Base (BIM OAFB)	U.S. Department of Interior	\$44,424
Wilson, James	Surveys for Eastern Spotted Skunks (<i>Spilogale putorius</i>) in Nebraska	Nebraska Game and Parks Commission/U.S. Department of Interior	\$75,989
Wong, Ryan	CAREER: Impact of stress coping style on cognitive processes and the underlying neuromolecular mechanisms	National Science Foundation	\$100,000
	YNS High School Researcher	University of Nebraska - Lincoln/Nebraska EPSCoR	\$3,200
<u>Chemistry</u>			
Richter-Egger, Dana	Metrohm IC and Titrimetry collaboration	Metrohm USA, Inc.	\$13,550
<u>Health Careers Resource Center</u>			
Davis, Paul H.	AHEC Omaha	University of Nebraska Medical Center/Health Resources and Services Administration	\$116,150

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College Department Name	Title	Sponsor	Award
	AHEC Omaha	University of Nebraska Medical Center/Health Resources and Services Administration	\$64,924
<u>History</u>			
Saltamacchia, Martina	Singing Stones: Sacred Music & Sacred Spaces	Humanities Nebraska	\$250
<u>Mathematics</u>			
Torres Vitor, Fabio	PIC Math: Preparation for Industrial Careers in Mathematical Sciences	Mathematical Association of America/National Science Foundation	\$5,000
<u>Office of Latino/Latin American Studies</u>			
Dona, Cristian	Latino Railroad Workers in the Midwest. An Oral History Project	Union Pacific Railroad Museum/Omaha Community Foundation	\$15,634
<u>Physics</u>			
Sabirianov, Renat	RII Track-1: Emergent Quantum Materials and Technologies (EQUATE)	University of Nebraska - Lincoln/National Science Foundation / EPSCoR	\$139,571
<u>Psychology</u>			
Lyon, Beth	Irrelevant Sound Effects on False Memory in the DRM Paradigm	Psi Chi Honor Society	\$662
<u>College of Business Administration</u>			
<u>Nebraska Business Development Center</u>			
Doga, Veronica	Procurement Technical Assistant Center 2021	Defense Logistics Agency	\$513,033
	Procurement Technical Assistant Center 2021	Defense Logistics Agency	\$219,915
Lang, Catherine	Small Business Development Center grant	U.S. Small Business Administration	\$755,556
<u>College of Communication, Fine Arts & Media</u>			
<u>School of Music</u>			
Madsen, Pete	APAL UNO Jazz Festival 2022	Nebraska Arts Council	\$4,894
<u>College of Education, Health, and Human Sciences</u>			
<u>Biomechanics</u>			
Curtze, Carolin	University of Nebraska Medical Center / Medtronic Collaborative Acute Feasibility Pilot DBS Electrode Switching Patterns in Parkinsons disease	University of Nebraska Medical Center/Medtronic	\$16,430
Kamenskiy, Alexey	Optimized Stents for the Femoropopliteal Artery	National Institutes of Health	\$536,734

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Marmelat, Vivien	Effect of cell-based therapies on functional, hemodynamic, and histologic outcomes in a porcine model of peripheral arterial disease	University of Nebraska Medical Center/National Institutes of Health	\$11,496
	Improving exercise capacity in chronic obstructive pulmonary disease patients through uphill walking	Omaha Veterans Administration Medical Center/U.S. Department of Veterans Affairs	\$11,910
	Improving exercise capacity in chronic obstructive pulmonary disease patients through uphill walking	Omaha Veterans Administration Medical Center/U.S. Department of Veterans Affairs	\$9,921
Myers, Sara	Exoskeleton footwear to improve walking performance and subject-reported preference	Omaha Veterans Administration Medical Center/U.S. Department of Veterans Affairs	\$75,231
	Exoskeleton footwear to improve walking performance and subject-reported preference	Omaha Veterans Administration Medical Center/U.S. Department of Veterans Affairs	\$41,091
	Exoskeleton footwear to improve walking performance and subject-reported preference	Omaha Veterans Administration Medical Center/U.S. Department of Veterans Affairs	\$10,438
	Exoskeleton footwear to improve walking performance and subject-reported preference	Omaha Veterans Administration Medical Center/U.S. Department of Veterans Affairs	\$3,259
Yentes, Jenna	Improving exercise capacity in chronic obstructive pulmonary disease patients through uphill walking	Omaha Veterans Administration Medical Center/U.S. Department of Veterans Affairs	\$27,440
	2021 Great Plains Biomechanics Meeting	American Society of Biomechanics	\$2,000
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	\$275,131
	Development and Validation of a Low-Cost 3D Printed Upper Limb Prosthetic Simulator.	National Institutes of Health	\$58,527
	3D Printed Prostheses for Children: A Tool to Monitor Upper Limb Movement.	National Institutes of Health	\$56,474
	Efficacy and Efficiency of Antimicrobial 3D printed and Injection Molded Face Masks	University of Nebraska Medical Center	\$40,899
	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	\$30,570
<u>School of Health and Kinesiology</u>			
Coleman, Jason	Nebraska HIV Testing and Prevention Program 2021	Nebraska Department of Health and Human Services/Centers for Disease Control	\$206,011

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	Support for WFO Adolescent Health Project	Women's Fund of Omaha	\$86,769
	Nebraska HIV Testing and Prevention Program 2021	Nebraska Department of Health and Human Services/Centers for Disease Control	\$68,670
	Effectiveness and safety of Bictegravir/emtricitabine/tenofovir alafenamide (B/F/TAF) in HIV-1 infected patients with Active illicit Substance use (BASE)	University of Nebraska Medical Center/Gilead Pharmaceuticals	\$26,033
Dinkel, Danae	SCC-PG: Smart and Connected Childcare	University of Nebraska Medical Center/National Science Foundation	\$6,987
Jawed-Wessel, Sofia	Huespring Evaluation	Weitz Family Foundation	\$28,460
	Building a LGBTQ+ Mentor Base	Omaha Community Foundation	\$14,020
Slivka, Dustin	Impact of Muscle Temperature on Muscle Growth and Breakdown	University of Nebraska Medical Center/National Institutes of Health	\$4,395
Wilkins, Sam	The Relationship Between Elbow Valgus Stress and Ulnar Collateral Ligament Morphological Characteristics in Baseball Pitchers	Nebraska State Athletic Trainers' Association	\$500
<u>Teacher Education</u>			
McGlamery, Sheryl	UNO EUREKA STEM	Girls, Inc.	\$80,000
<u>College of Information Science & Technology</u>			
<u>College of Information Science & Technology - Dean's Office</u>			
Ali, Hesham	New data analytics approaches using population analysis and machine learning for early diagnosis of Parkinson's Disease	Mayo Clinic	\$11,000
<u>Computer Science</u>			
Morrison, Briana	Baseline Data for Broadening Participation in IS&T	Northeastern University	\$60,000
Zhong, Xin	CRII: CIF: Automated and Robust Image Watermarking: A Deep Learning Approach	National Science Foundation	\$175,000
<u>Information Systems & Quantitative Analysis</u>			
Khazanchi, Deepak	Web site refresh for the STEPHEN CENTER	Stephen Center, Inc.	\$7,500
	Competitive Audit of Data Axle's Business Database	Data Axle	\$25,383

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LaLone, Nicolas	Collaborative Research: HCC: Medium: Connecting Practitioners to Design: Methods and Tools for Live Participatory Design Fiction	National Science Foundation	\$234,221
	CRII: HCC: Practical Steps Toward Integrating the Tools of Emergency Management with Crisis Informatics Techniques	National Science Foundation	\$174,987
<u>School of Interdisciplinary Informatics</u>			
Derrick, Douglas	Legacy System Redesign with Union Pacific, Union Pacific Railroad Company Phase IV extension		\$85,013
Fruhling, Ann	University Transportation Center (UTC) Competition 2016: Real-Time Emergency Communication System for HazMat Incidents (REaCH)	University of Nebraska - Lincoln/ U.S. Department of Transportation	\$149,768
Gheri, Dario	Altered T Cell Responses in Myalgic Encephalomyelitis/Chronic Fatigue Syndrome (ME/CFS)	University of Massachusetts Medical School/National Institutes of Health	\$70,377
	Bioinformatics Analysis of Spatial Transcriptomics Data in Pancreatic Cancer	University of Texas Southwestern/ National Institutes of Health	\$29,384
Mahoney, William	University of Nebraska at Omaha Scholarship for Service Renewal/Outreach Project	National Science Foundation	\$505,002
<u>College of Public Affairs & Community Service</u>			
<u>Center for Public Affairs Research</u>			
Drozd, David	United Way Metro Area Data Comparison	United Way of the Midlands	\$4,810
Schafer, Josie	Nebraska Legislatures Planning Committee FY2020-2021	State of Nebraska Legislature	\$25,000
	NACO County Official Online Learning Network	University of Nebraska - Lincoln/ Nebraska Association of County Officials	\$11,400
	2020 Redistricting ESU 3	Educational Service Unit 3	\$4,738
	2020 Redistricting MUD	Metropolitan Utilities District	\$4,612
	2020 Redistricting ESU 10	Educational Service Unit 10	\$4,419
	2020 Redistricting ESU 8	Educational Service Unit 8	\$3,711
	2020 Redistricting ESU 7	Educational Service Unit 7	\$3,711
	2020 Redistricting ESU 6	Educational Service Unit 6	\$3,711

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College Department Name	Title	Sponsor	Award
	2020 Redistricting ESU 1	Educational Service Unit 1	\$3,711
	2020 Redistricting ESU 2	Educational Service Unit 2	\$3,532
	2020 Redistricting ESU 16	Educational Service Unit 16	\$3,520
	2020 Redistricting ESU 5	Educational Service Unit 5	\$3,520
	2020 Redistricting ESU 11	Educational Service Unit 11	\$3,510
	2020 Redistricting ESU 9	Educational Service Unit 9	\$3,150
	2020 Redistricting ESU 4	Educational Service Unit 4	\$3,150
	Nebraska Community Foundation Youth Survey	Nebraska Community Foundation	\$3,000
<u>Gerontology</u>			
Beadle, Janelle	The Neural and Hormonal Basis of Empathy in Aging	University of Nebraska Medical Center/National Institutes of Health	\$246,132
	Novel Multimodal Assessment of Practical Judgment Across the Alzheimer's Continuum: Toward a Better Understanding of how to Predict Risk in the Elderly	The Research Foundation of The City University of New York/ National Institutes of Health	\$15,189
<u>Grace Abbott School of Social Work</u>			
Harder, Jeanette	Rape Prevention and Education (RPE) Program Evaluation - 2021	Nebraska Department of Health and Human Services/Centers for Disease Control	\$40,000
	Completely Kids	Completely Kids	\$31,732
	Catholic Charities of Omaha--Microbusiness program evaluation	Catholic Charities of Omaha	\$30,000
	Inclusive Communities Evaluation	Inclusive Communities	\$15,000
	Rape/Domestic Abuse Program of North Platte	Rape/Domestic Abuse Program	\$12,700
	Drug Overdose Prevention	Nebraska Department of Health and Human Services/Centers for Disease Control	\$12,100
	Prevention Means Progress 2021	Heartland Family Service/U.S. Department of Health and Human Services	\$10,000
	Intercultural Senior Center evaluation	Intercultural Senior Center evaluation	\$5,383
<u>Nebraska Center for Justice Research</u>			
Spohn, Ryan	Reentry Service Program Evaluation for Douglas County Department of Correction	Douglas County Department of Corrections/Sherwood Foundations	\$225,000

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<u>School of Criminology & Criminal Justice</u>			
Hamilton, Zachary	BJA Smart Re-entry Evaluation	Spokane County/U.S. Department of Justice	\$22,700
Hobbs, Anne	Nebraska's Compliance with OJJDP Core Requirements	Lancaster County	\$368,225
	Evidence-Based Nebraska (EB-NE)	Nebraska Commission on Law Enforcement and Criminal Justice	\$289,900
	Hall County Detention Utilization	Nebraska Administrative Office of Probation	\$9,284
Nix, Justin	City of Omaha Project Safe Neighborhoods - 2019	City of Omaha/U.S. Department of Justice	\$26,994
Richards, Tara	Minnesota Sexual Assault Kit Research Project	National Institute of Justice	\$113,803
<u>School of Public Administration</u>			
Freeman-Wakefield	Emerging Nonprofit Leadership Certificate - Feeding South Dakota	Feeding South Dakota	\$15,750
Tarry, Scott	NASA Nebraska EPSCoR RID Program FY 2019-2021 Augmentation	National Aeronautics and Space Administration	\$175,000
<u>Criss Library</u>			
<u>Criss Library Archives & Special Collections</u>			
Schindler, Amy	Conversaciones: Latino and Latina Voices of Humanities Nebraska Omaha		\$1,852
<u>International Studies & Programs</u>			
<u>International Programs</u>			
Krueger, Emily	IIE American Passport Project	Institute of International Education	\$3,625

Total Award Amount January 1 - June 30, 2021: \$8,575,232