


11-2-2021

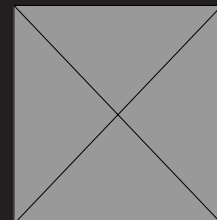
External Funding Bulletin, January - June 2021

UNO Office of Research and Creative Activity

Follow this and additional works at: <https://digitalcommons.unomaha.edu/orcasponsoredprograms>

 Part of the [Higher Education Commons](#), [Higher Education Administration Commons](#), and the [Organizational Communication Commons](#)

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

Congratulations to the recent award recipients!

January 1, 2021 - June 30, 2021

| 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 |

Congratulations to the recent award recipients!

January 1, 2021 - June 30, 2021

| 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 |

Congratulations to the recent award recipients!

January 1, 2021 - June 30, 2021

| College Department Name | Title | Sponsor | Award |
|---|---|--|-----------|
| 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 |

Congratulations to the recent award recipients!

January 1, 2021 - June 30, 2021

| College Department Name | Title | Sponsor | Award |
|--|---|--|-----------|
| | 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 |

Congratulations to the recent award recipients!

January 1, 2021 - June 30, 2021

College

Department

Name

Title

Sponsor

Award

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

School of Interdisciplinary Informatics

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

College of Public Affairs & Community Service

Center for Public Affairs Research

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

Congratulations to the recent award recipients!

January 1, 2021 - June 30, 2021

| 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 |

Congratulations to the recent award recipients!

January 1, 2021 - June 30, 2021

| College Department Name | Title | Sponsor | Award |
|---|---|---|-----------|
| <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