


Summer 2022

## External Funding Bulletin, January - June 2022

UNO Office of Research and Creative Activity  
*University of Nebraska at Omaha*

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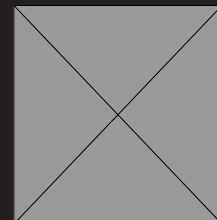
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# OFFICE OF RESEARCH AND CREATIVE ACTIVITY



## EXTERNAL FUNDING BULLETIN

Congratulations to the recent award recipients!

January 1, 2022 - Jun 30, 2022

College

Department

Name

Title

Sponsor

Award

### Academic Affairs

#### Criss Library Archives & Special Collections

Schindler, Amy

Latinx Voices of Omaha: Access to Archival Collections

American Library Association/  
National Endowment for the  
Humanities

\$10,000

### College of Arts & Sciences

#### Biology

Clayton, Jonathan

A Model of Antibiotic-induced Gut  
Dysbiosis and Depressive Symptomatology

National Institutes of Health

\$114,064

A Model of Antibiotic-induced Gut  
Dysbiosis and Depressive Symptomatology

National Institutes of Health

\$12,674

Davis, Paul H.

R01 Anti-schisto AR102 drug development

University of Nebraska Medical  
Center/National Institutes of Health

\$52,000

Merck Schistosomiasis 2021: Elucidating  
the Mechanism of Action for a Single-dose  
Anti-schistosomal candidate AR102

Swiss Tropical and Public Health  
Institute/Merck & Co., Inc

\$11,301

Denton, Paul W.

Sialic Acid Modulation of HIV-Associated  
Chronic Inflammaging

The Wistar Institute of Anatomy  
and Biology/National Institutes of  
Health

\$3,000

Tapprich, William

Nebraska research network of functional  
genomics - Equipment carryforward 2022

University of Nebraska Medical  
Center/National Institutes of Health

\$282,784

White, Jeremy

Bat Inventory and Management at Offutt  
Air Force Base (BIM OAFB)

U.S. Department of Interior

\$42,901

Wong, Ryan

CAREER: Impact of stress coping style on  
cognitive processes and the underlying  
neuromolecular mechanisms

National Science Foundation

\$50,000

YNS High School Researcher 2022

University of Nebraska - Lincoln/  
Nebraska EPSCoR

\$3,200

Keisner, Jody

Linden Review

Nebraska Arts Council/National  
Endowment for the Arts

\$770

# Congratulations to the recent award recipients!

## January 1, 2022 - June 30, 2022

### College

#### Department Name

#### Title

#### Sponsor

#### Award

Davis, Paul H.

AHEC Omaha

University of Nebraska Medical  
Center/Health Resources and  
Services Administration

\$51,573

#### History

Geliga, Susana

Honoring Indigenous Community  
Knowledge: Expanding the Genoa Indian  
School Digital Reconciliation Project  
Beyond the Government Archive

American Council of Learned  
Societies

\$98,327

#### Mathematics

Rault, Patrick

Center for Undergraduate Research in  
Mathematics

Occidental College/National  
Science Foundation

\$8,499

Schroeder, Larissa

Supporting and Sustaining Scholarly  
Mathematics Teaching (S3MT)

University of Hartford/National  
Science Foundation

\$18,572

#### Office of Latino/Latin American Studies

Doku, Yuriko

ArteLatinX 2022

Nebraska Arts Council

\$2,482

ArteLatinX 2022

Humanities Nebraska

\$1,900

#### Physics

Krasnoslobodtsev, Alexey

Collaborative Research: Exploring self-  
organization of functional nucleic acid  
supramolecular assemblies with stimuli  
responsive properties

National Science Foundation

\$270,728

#### Political Science

Holloway, Carson

UNO Constitutional Studies Forum

Jack Miller Center

\$66,405

Petrow, Gregory

A Proposed Study of How Intersectional  
Politician Categories Affect how Anger  
Expressions are Perceived and Evaluated

American Political Science  
Association

\$2,500

#### Psychology

Folberg, Abby

Examining How Prejudice Confrontation  
Diffuses Through Social Networks

American Psychological Foundation

\$19,664

Reiter-Palmon, Roni

Review of measures used for selection

Hawkins Construction

\$1,000

#### Sociology/Anthropology

Schlosser, Allison

A Multidisciplinary Approach to  
Understanding Stimulant Use Disorders:  
Use Trajectories, Medical Consequences  
and Treatment Goals

University of California - San  
Francisco/U.S. Department of  
Health and Human Services

\$35,350

### College of Business Administration

#### Economics

White, Dustin

Multi-polar Game Theory Literature Review  
and Research Proposal

U.S. Department of Defense

\$5,431

# Congratulations to the recent award recipients!

## January 1, 2022 - June 30, 2022

College Department Name	Title	Sponsor	Award
<u>Executive MBA Program</u>			
Martikainen, Katie	Strategic Leadership Fellows Program	U.S. Department of the Air Force	\$170,573
<u>Management</u>			
Nguyen, Tin	Countering Foreign Influence Survey	Research Triangle Institute	\$40,000
<u>Nebraska Business Development Center</u>			
Doga, Veronica	Procurement Technical Assistance Center	Defense Logistics Agency	\$525,765
Lang, Catherine	Small Business Development Center grant	U.S. Small Business Administration	\$766,666
Schultz, Tony	First National Bank Community Development Grant	First National Bank of Omaha	\$15,000
<u>College of Communication, Fine Arts &amp; Media</u>			
<u>School of the Arts</u>			
Gilbert, Mark	Memory Serves: The Human Experience of Dementia, Aging, and Caregiving	Nebraska Arts Council/National Endowment for the Arts	\$3,700
	Memory Serves: The Human Experience of Dementia, Aging, and Caregiving	Omaha Veterans Administration Medical Center/National Endowment for the Arts	\$2,700
<u>College of Education, Health, and Human Sciences</u>			
<u>Biomechanics</u>			
Fallah Tafti, Farahnaz	Improving exercise capacity in chronic obstructive pulmonary disease patients through uphill walking.	Omaha Veterans Administration Medical Center/U.S. Department of Veterans Affairs	\$29,245
Kamenskiy, Alexey	Optimized Stents for the Femoropopliteal Artery	National Institutes of Health	\$483,057
	Optimized Stents for the Femoropopliteal Artery	University of Nebraska Medical Center/National Institutes of Health	\$53,677
	Effect of cell-based therapies on functional, hemodynamic, and histologic outcomes in a porcine model of peripheral arterial disease.		\$4,383
Likens, Aaron	Repeated Bouts of Physical Stress: A Lab Based Simulated Multiday Mission Scenario	National Strategic Research Institute/U.S. Department of Defense	\$37,013
	Great Plains Biomechanics Conference Grant	American Society of Biomechanics	\$2,000
Malcolm, Philippe	Collaborative Research: Detecting Gait Phases with Raised Metabolic Cost using Robotic Perturbations and System Identification for Enabling Targeted Rehabilitation Therapy	National Science Foundation	\$238,430

# Congratulations to the recent award recipients!

## January 1, 2022 - June 30, 2022

### College

#### Department

#### Name

#### Title

#### Sponsor

#### Award

Marmelat, Vivien	Improving exercise capacity in chronic obstructive pulmonary disease patients through uphill walking	Omaha Veterans Administration Medical Center/U.S. Department of Veterans Affairs	\$26,285
Mukherjee, Mukul	Improving gait outcomes in stroke survivors through tactile stimulation: Understanding the brain mechanisms	American Heart Association	\$77,000
Myers, Sara	Exoskeleton footwear to improve walking performance and subject-reported preference.	Omaha Veterans Administration Medical Center/U.S. Department of Veterans Affairs	\$22,266
	Exoskeleton footwear to improve walking performance and subject-reported preference.	Omaha Veterans Administration Medical Center/U.S. Department of Veterans Affairs	\$13,925
	Exoskeleton footwear to improve walking performance and subject-reported preference.	Omaha Veterans Administration Medical Center/U.S. Department of Veterans Affairs	\$6,399
	Exoskeleton footwear to improve walking performance and subject-reported preference.	Omaha Veterans Administration Medical Center/U.S. Department of Veterans Affairs	\$3,519
Rahman, Hafizur	RR&D Small Projects in Rehabilitation Research (SPIRE) (I21)	Omaha Veterans Administration Medical Center/U.S. Department of Veterans Affairs	\$30,326
	RR&D Small Projects in Rehabilitation Research (SPIRE) (I21)	Omaha Veterans Administration Medical Center/U.S. Department of Veterans Affairs	\$3,051

#### Department of Counseling

Chasek, Christine	Graduate Psychology Education Programs	University of Nebraska Medical Center/Health Resources and Services Administration	\$6,731
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#### School of Health and Kinesiology

Burcal, Christopher	Balance as a Measure of Recovery from a Lateral Ankle Sprain	University of Nebraska Medical Center/National Institutes of Health	\$67,419
Coleman, Jason	Support for WFO Adolescent Health Project	Women's Fund of Omaha	\$198,004
	Nebraska HIV Testing and Prevention Program	Nebraska Department of Health and Human Services/Centers for Disease Control	\$71,499
Jawed-Wessel, Sofia	Huespring: Cultivating LGBTQ+ Collective Power in the Midlands	Omaha Community Foundation/	\$15,000
Rosen, Adam	Improving and assessing the validity and reliability of the Ankle-PLAST (Ankle-Portable Laxity and Strength Tester).	University of Nebraska Medical Center/National Institutes of Health	\$69,916

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### College

#### Department

#### Name

#### Title

#### Sponsor

#### Award

Slivka, Dustin

Advanced Warfighter Physiology:  
Application of Biometrics and Body Worn  
Sensors to Reduce Injury Risk and Optimize  
Performance

University of Montana/U.S.  
Department of the Air Force

\$740,251

Wilkins, Sam

The Relationship between Ulnar Collateral  
Ligament Morphological Characteristics  
and Pitching Biomechanics.

Mid-America Athletic Trainers'  
Association

\$2,000

#### Teacher Education

McGlamery, Sheryl

UNO EUREKA STEM

Girls, Inc.

\$80,000

### College of Information Science & Technology

#### Computer Science

Chundi, Parvathi

Intergovernmental Personnel Act  
Assignment (IPA): NSF

National Science Foundation

\$225,839

Lierler, Yuliya

Travel: Student Support for the 38th  
International Conference on Logic  
Programming in 2022

National Science Foundation

\$10,000

Oh, Kwangsung

CRII: CNS: Toward a Scalable Geo-  
distributed Data Analytics System

National Science Foundation

\$172,211

#### Information Systems & Quantitative Analysis

Tsai, Chun-Hua

CRII: HCC: Facilitating and Empowering  
Human-AI Collaboration through  
Conversational Explanations

National Science Foundation

\$174,293

#### School of Interdisciplinary Informatics

Clarke, Martina

Data Coordinating and Operations Center  
for the ECHO IDeA States Pediatric Clinical  
Trials Network

University of Arkansas for Medical  
Sciences/National Institutes of  
Health

\$12,425

Cooper, Kate

A wearable, battery-free screening system  
for SARS-CoV-2 infection

University of Nebraska - Lincoln/  
University of Nebraska Medical  
Center

\$2,930

Gherzi, Dario

Altered T Cell Responses in Myalgic  
Encephalomyelitis/Chronic Fatigue  
Syndrome (ME/CFS)

University of Massachusetts Medical  
School/National Institutes of Health

\$70,377

Targeting tumor architecture as a novel  
therapeutic strategy for pancreatic cancer

University of Texas Southwestern/  
National Institutes of Health

\$35,496

Targeting tumor architecture as a novel  
therapeutic strategy for pancreatic cancer

University of Texas Southwestern/  
National Institutes of Health

\$26,391

# Congratulations to the recent award recipients!

## January 1, 2022 - June 30, 2022

College Department Name	Title	Sponsor	Award
Hale, Matt	Targeting tumor architecture as a novel therapeutic strategy for pancreatic cancer	University of Texas Southwestern/ National Institutes of Health	\$3,967
	Development of a Robust, Nationally Accessible Cybersecurity Risk Management Curriculum for Technical and Managerial Cybersecurity Professionals	University of Illinois at Urbana-Champaign/U.S. Department of Homeland Security	\$125,000
<u>College of Public Affairs &amp; Community Service</u>			
<u>Center for Public Affairs Research</u>			
Schafer, Josie	Nebraska Department of Transportation Rural Transit 22-24	University of Nebraska at Kearney/ Nebraska Department of Roads	\$1,486,005
	Update Legislative Districts and Data for First Five	Nebraska Children and Families Foundation	\$8,400
	NACO County Official Online Learning Network	University of Nebraska - Lincoln/ Nebraska Association of County Officials	\$6,222
	Evaluation and Research Internship with Nebraska Investment Finance Authority	Nebraska Investment Finance Authority	\$5,000
	Survey Evaluation of Do Space Access Program	Community Information Trust d/b/a Do Space.	\$3,400
	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	\$237,856
Blaskewicz Boron, Julie	Richmond Brain Health Initiative	Virginia Commonwealth University/ U.S. Department of Health and Human Services	\$15,073
	Identifying the Impact of Building Systems on the Sleep Quality of People with MCI in Underprivileged Communities	Georgia Institute of Technology	\$11,750
	Great Plains IDEa-CTR Pilot: Boron, The Loneliness Epidemic Tailoring Interventions to Reduce Loneliness and Pain	University of Nebraska Medical Center/National Institutes of Health	\$5,128
Kelly, Christopher	Nebraska State Aging Plan 2024-2027	Nebraska Department of Health and Human Services	\$50,000
<u>Grace Abbott School of Social Work</u>			
Batson, Angela	Girls Rock Evaluation	Girls Rock	\$2,000
Harder, Jeanette	Rape Prevention and Education (RPE) Program Evaluation	Nebraska Department of Health and Human Services/Centers for Disease Control	\$40,000

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## January 1, 2022 - June 30, 2022

College Department Name	Title	Sponsor	Award
Reay, Susan	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	\$4,146
	Inclusive Communities Evaluation (1-2022 amendment)	Inclusive Communities	\$1,700
	Mental Health Training Academy	Rotary Foundation	\$7,500
	Cultural and Linguistically Appropriate Services Training	Region V Systems	\$1,500
<u>Nebraska Center for Justice Research</u>			
Spohn, Ryan	Vocational and Life Skills Evaluation	Nebraska Department of Correctional Services	\$168,116
<u>School of Criminology &amp; Criminal Justice</u>			
Butler, Leah	Development and Launch of the Crime and Justice Public Opinion Lab at the University of Nebraska at Omaha	Nebraska EPSCoR/National Science Foundation	\$25,000
Hamilton, Zachary	Multi-state Research on Juvenile Reoffending	U.S. Department of Justice	\$599,981
Hobbs, Anne	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	\$6,328
	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	\$5,500
Huff, Jessie	City of Omaha Restorative Justice Diversion Program	City of Omaha Police Foundation, Inc.	\$32,294
Nix, Justin	An Evaluation of De-Escalation Training to Understand the Links between Training and Outcomes	Clemson University/National Institute of Justice	\$106,005
	City of Omaha Project Safe Neighborhoods - 2020	City of Omaha/U.S. Department of Justice	\$26,994
Richards, Tara	A Formative Evaluation and Evaluability Assessment of the Seattle Domestic Violence Intervention Project	U.S. Department of Justice	\$309,516
Wright, Emily	A Strengths and Needs Assessment of Tohono Oodham Community Colleges Response to Gender-Based Violence and Victimization	U.S. Department of Justice	\$149,610
<u>School of Public Administration</u>			
Eikenberry, Angela	Getting on Board: The Pursuit of Gender Equity in Public Transit Administration	U.S. Department of Transportation	\$10,000



# Congratulations to the recent award recipients!

## January 1, 2022 - June 30, 2022

### College

#### Department Name

#### Title

#### Sponsor

#### Award

Tarry, Scott

NASA Nebraska EPSCoR Research  
Infrastructure Development FY22-26

National Aeronautics and Space  
Administration

\$200,000

Miniature Robotic Surgery Technology  
Demonstration During Orbital Spaceflight

National Aeronautics and Space  
Administration

\$99,991

### Criss Library

#### Criss Library Archives & Special Collections

Dulaney, Claire

UNO Libraries On the Inside Art Exhibit

Nebraska Arts Council/National  
Endowment for the Arts

\$2,550

On the Inside

Humanities Nebraska

\$2,000

#### Criss Library Patron Services

Staub, Claire

Living Library

Humanities Nebraska

\$2,000

### International Studies & Programs

#### International Programs

Krueger, Emily

IIE American Passport Project

Institute of International Education

\$480

**Total Award Amount January 1 - June 30, 2022: \$9,464,899**