

Fall 2019

## External Funding Bulletin, July - December 2019

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

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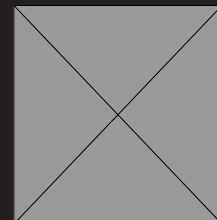
Office of Research and Creative Activity, UNO, "External Funding Bulletin, July - December 2019" (2019).  
*Sponsored Programs Bulletins*. 40.

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# OFFICE OF RESEARCH AND CREATIVE ACTIVITY



## EXTERNAL FUNDING BULLETIN

Congratulations to the recent award recipients!

July 1, 2019 - December 31, 2019

College

Department

Name

Title

Sponsor

Award

### Academic and Student Affairs

#### Project Achieve

Teamer, Shannon

Project Achieve

U.S. Department of Education

\$360,309

### Business and Finance

#### Child Care Center

Hove, Dawn

Quality Affordable Child Care and Education For Low-Income Campus Based Students

U.S. Department of Education

\$165,940

### College of Arts and Sciences

#### Biology

Blankenship, Jill

Characterization of the septin-mediated pathways involved in filamentation and cell wall integrity in the pathogenic fungus *Candida albicans*

University of Nebraska Medical Center/National Institutes of Health

\$71,500

Coleman, Tracy

Conservation of the Western Fox Snake (*Pantherophis ramspotti*) within a restored tallgrass prairie and agricultural landscape in eastern Nebraska.

Minnesota Herpetological Society

\$1,500

Cutucache, Christine

EMPLOYEE: Empowering undergraduates via Mentorship, Professional development, Leadership, and Opportunities for Youth EngagEment

National Science Foundation

\$999,984

NE STEM 4U: Youth voice and student identity in elementary-aged youth

Collective for Youth/Peter Kiewit Foundation

\$19,200

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

University of Nebraska - Lincoln/ National Institutes of Health

\$32,400

NE STEM 4U: Fidelity of youth voice and relationship building for broader STEM conversations

Collective for Youth/Sherwood Foundation

\$73,472

The NebraskaSCIENCE Omaha Noyce Partnership, a Track I Robert Noyce Teacher Scholarship Program (S&S Track)

National Science Foundation

\$276,237

Davis, Paul

NSRI ADEPT Scholars program

National Strategic Research Institute

\$30,000

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## July 1, 2019 - December 31, 2019

College Department Name	Title	Sponsor	Award
Davis, Paul	NSRI Task Order 0059	National Strategic Research Institute/U.S. Department of Defense	\$112,500
	Evaluation of Novel Anti-Toxoplasma Therapeutics	University of Nebraska Medical Center/National Institutes of Health	\$71,500
	NSRI ADEPT Scholars	National Strategic Research Institute/U.S. Department of Defense	\$369,497
Lu, Guoqing	MRI: Acquisition of an Illumina NextSeq 550 system to Support Genomic Research and Research Training at University of Nebraska at Omaha	National Science Foundation	\$278,750
Tappich, William	Nebraska research network of functional genomics - Biology parent project	University of Nebraska Medical Center/National Institutes of Health	\$108,041
	Virulence Determinants in the Coxsackievirus B3 RNA Genome	University of Nebraska Medical Center/National Institutes of Health	\$35,750
	Nebraska research network of functional genomics - Biology parent project	University of Nebraska Medical Center/National Institutes of Health	\$7,865
<u>Chemistry</u>			
Miller, Andy	Connecting groundwater quality with surface water quality in intensively managed systems	University of Nebraska - Lincoln/U.S. Geological Survey	\$20,000
<u>College of Arts &amp; Sciences - Dean's Office</u>			
McNamara, Patrick	Conflict and Uncertainty: Iran, the US, and the Middle East	American Institute of Iranian Studies	\$3,125
<u>Foreign Languages</u>			
Clover, Gwyneth	Building Walls and Tearing Walls Down	Humanities Nebraska	\$2,900
<u>Health Careers Resource Center</u>			
Davis, Paul	AHEC Omaha	University of Nebraska Medical Center/Health Resources and Services Administration	\$77,250
	AHEC Omaha	University of Nebraska Medical Center/Health Resources and Services Administration	\$101,955
<u>History</u>			
Celinscak, Mark	<u>The Art of Samuel Bak</u>	Nebraska Arts Council/National Endowment for the Arts	\$4,764
<u>Mathematics</u>			
Matthews, Michael	NebraskaMATH Omaha Noyce Partnership: Phase2, a Track 1 Noyce Teacher Scholarship Program	National Science Foundation	\$1,177,299

# Congratulations to the recent award recipients!

## July 1, 2019 - December 31, 2019

### College

#### Department Name

#### Title

#### Sponsor

#### Award

Rault, Patrick

The IBL Communities Project

National Science Foundation

\$299,999

Rogers, Jim A

Macrophage, Meth, HIV and Histones: An Interplay

University of Nebraska Medical Center/National Institute of Health

\$72,112

#### Office of Latino/Latin American Studies

Dona, Cristian

Arte Latinx 2019: "The Voice of Our Roots"

Nebraska Arts Council

\$3,722

#### Political Science

Black, Michelle

Enabling Coherent Deterrence - Concept Development Deterrence Research

National Strategic Research Institute/North Atlantic Treaty Organization

\$34,133

Kilinc, Ramazan

Dialogue with Muslim Communities in Omaha V: Peaceful Co-Existence

Humanities Nebraska

\$3,000

McNamara, Patrick

Partnership 2020: Leveraging US-India Cooperation in Higher Education to Harness Economic Opportunities and Innovation

U.S. Department of State

\$750,000

Obradovic, Lana

BOLD (BIH Omladinski Lideri, Bosnia and Herzegovina Young Leaders) Program

U.S. Department of State

\$99,934

#### Psychology

Kramer, William

Lincoln Police Department Exam Development

City of Lincoln

\$11,000

Reiter-Palmon, Roni

Graduate Assistant for Solve

SOLVE Consulting, LLC

\$21,956

The Nebraska Mindfulness Project - Program Evaluation

Amis Family Foundation

\$89,308

Shriver, Mark

Interdisciplinary Personnel Preparation in Systemic Behavioral Intervention to Serve School-Age Children with Significant Behavioral Concerns

U.S. Department of Education

\$250,000

#### STEM TRAIL Center

Cutucache, Christine

STEM TRAIL Center: STEM Education Professional Development for Rural Programs Across Nebraska

Nebraska Children and Families Foundation

\$16,000

### College of Business Administration

#### Economics

Diamond, Arthur

Extending and Conveying Main Messages of Openness to Creative Destruction Book

Charles G. Koch Foundation

\$10,000

#### Executive MBA Program

Krings, Melanie

HDR Int'l Business Consulting Project

HDR, Inc.

\$20,000

FNB Digital Marketing

First National Bank of Omaha

\$15,000

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## July 1, 2019 - December 31, 2019

College Department Name	Title	Sponsor	Award
<u>Marketing &amp; Management</u>			
Clark, Brent	Entrepreneurial Uncertainty	Charles G. Koch Foundation	\$33,000
Ligon, Gina	Emerging VEO Threats to the Homeland	Arizona State University/U.S. Department of Homeland Security	\$280,000
	National Media Exploitation Center Project	Arizona State University/U.S. Department of Homeland Security	\$162,000
<u>Nebraska Business Development Center</u>			
Lang, Catherine	Portable Assistance Funding Opportunity	U.S. Small Business Administration	\$95,880
	Economic Development Administration University Center Economic Development Program	U.S. Economic Development Administration	\$112,000
Nichol-Caddy, Josh	NBDC FAST Proposal 2019	U.S. Small Business Administration	\$125,000
<u>College of Communication, Fine Arts &amp; Media</u>			
<u>School of Music</u>			
Madsen, Pete	Joey Gulizia Residency 2019-2020	Nebraska Arts Council/National Endowment for the Arts	\$1,300
	UNO Jazz Festival 2020	Nebraska Arts Council/National Endowment for the Arts	\$4,470
Taylor, Kristin	UNO Piano Day 2019	Nebraska Arts Council/National Endowment for the Arts	\$1,450
<u>School of The Arts</u>			
Clouther, Kevin	Jennifer Egan Reading	Nebraska Arts Council/National Endowment for the Arts	\$850
<u>UNO Television</u>			
Allen, Chris	UNL CPB:CSG 6/30/2020	University of Nebraska - Lincoln/ Corporation for Public Broadcasting	\$42,521
<u>College of Education</u>			
<u>Biomechanics</u>			
Desyatova, Anastasia	Effects of aortic compliance and Windkessel reduction on cardiac and aortic pathophysiology	National Institutes of Health	\$651,515
Kamenskiy, Alexey	Database of anatomical vascular models of the human inferior vena cava	U.S. Food and Drug Administration	\$112,071
Knarr, Brian	Movement pattern biofeedback training after total knee arthroplasty	University of Colorado Denver/ National Institutes of Health	\$22,000

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#### Department

#### Name

#### Title

#### Sponsor

#### Award

Maleckis, Kaspars	Evaluation of Stents Subjected to Axial, Bending, and Torsional Deformation	Qmedics AG	\$13,689
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Myers, Sara	Improving mobility in peripheral artery disease using an ankle foot orthosis	National Institutes of Health	\$414,842
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Stergiou, Nicholas	Harnessing Movement Variability to Treat and Prevent Motor Related Disorder	National Institutes of Health	\$2,163,462
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	Driving Performance and Safety in Rheumatoid Arthritis	University of Nebraska Medical Center/Rheumatology Research Foundation	\$13,578
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Zuniga, Jorge	Innovative Student Support Project - 3D Printing Lab student worker	Innovative Prosthetics & Orthotics	\$5,500
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	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	\$348,766
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#### College of Education - Dean's Office

Bruckner, Martha	Improving Secondary/Middle School Math Proficiency in MOEC Schools	Iowa West Foundation	\$50,000
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#### School of Health and Kinesiology

Slivka, Dustin	Human Skeletal Muscle Responses to Temperature: Implications in Health and Disease	University of Nebraska Medical Center/National Institutes of Health	\$71,500
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	Temperature-Optimized Exercise to Enhance Human Health and Performance	University of Nebraska Medical Center/National Institutes of Health	\$143,917
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Jawed-Wessel, Sofia	Teen Pregnancy Prevention Program Evaluation	Planned Parenthood of the Heartland/U.S. Department of Health and Human Services	\$90,000
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	Increasing LGBTQIA Community Capacity Through Leadership Development	Omaha Community Foundation	\$26,500
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#### Special Education & Communication Disorders

Kumke, Jill	NSLHA 2019 Fall Convention	Sertoma International	\$425
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### College of Information Science & Technology

#### College of Information Science & Technology - Dean's Office

Khazanchi, Deepak	Kicks for a Cure Website Design Improvements	Kicks for a Cure, Inc	\$2,500
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#### Computer Science

Chundi, Parvathi	R11 Track-2 FEC: Data Driven Material Discovery Center for Bioengineering Innovation	South Dakota School of Mines and Technology/National Science Foundation	\$313,261
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Dorn, Brian	CS Education Professional Development for St. Albert Catholic Schools	St. Albert Catholic Schools	\$4,000
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### College

#### Department

#### Name

#### Title

#### Sponsor

#### Award

Youn, Jong-Hoon

Development of a Wearable Intelligent System for Elderly with Fall Risk

University of Nebraska Medical Center/National Institutes of Health

\$70,140

#### Information Systems & Quantitative Analysis

Germonprez, Matt

Grant Proposal Thematic Review

Chan Zuckerberg Initiative

\$23,002

Wiggins, Andrea

Streamlining Embedded Assessment to Understand Citizen Scientists&apos; Skill Gains

University of Maryland

\$29,520

#### School of Interdisciplinary Informatics

Derrick, Douglas

Tools Exploration

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

\$19,947

Union Pacific Legacy System Redesign: Phase IV extension: AOW system amendment

Union Pacific Railroad Company

\$64,316

Fruhling, Ann

IT Support for Watershed Citizen Scientist Computer Application

University of Nebraska - Lincoln/ National Institutes of Health

\$8,780

Gandhi, Robin

Safety Software Assurance Compliance and Risk Evaluation (S-SACRE)

Tri-Guard Risk Solutions, LTD/U.S. Department of Defense

\$139,468

Hale, Matt

Nuclear Certification Assessment (TOPR 0023)

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

\$20,325

Rui, Zhao

Mobile covert information transmission platform in stenography

Maxus33 LLC

\$100,664

#### College of Public Affairs & Community Service

##### Aviation Institute

Huang, Victor

Demonstration of Intelligent Runway Status Indication System (IRSIS) Cockpit Module for Runway Incursion Prevention

Old Dominion University Research Foundation/US Federal Aviation Administration

\$27,913

##### Center for Public Affairs Research

Drozd, David

Lancaster County Population Projections to 2050

City of Lincoln

\$9,843

Schafer, Josie

Nebraska Mobility Management

Olsson, Inc./U.S. Department of Transportation

\$621,700

##### Grace Abbott School of Social Work

Harder, Jeanette

Drug Overdose Prevention: Drug-Use Behaviors 2019-2020

Nebraska Department of Health and Human Services/Centers for Disease Control

\$40,000

Drug Overdose Prevention: Drug-Use Behaviors 2019-2020

Nebraska Department of Health and Human Services/Centers for Disease Control

\$50,000

inCommon: Park Avenue Social Capital Survey 2012-2019

Mosaic Community Development

\$2,400

Reay, Susan

System of Care

Nebraska Department of Health and Human Services

\$179,384

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College Department Name	Title	Sponsor	Award
<u>School of Criminology &amp; Criminal Justice</u>			
Hobbs, Anne	Evidence-Based Nebraska (EB-NE)	Nebraska Commission on Law Enforcement and Criminal Justice	\$316,050
Nix, Justin	City of Omaha Project Safe Neighborhoods Anti-Gun/Gang Violence Initiative Program	City of Omaha/U.S. Department of Justice	\$38,242
<u>School of Public Administration</u>			
Freeman-Wakefield, Ellen	Great Plains Government Finance Association	Great Plains Government Finance Officers Association	\$4,000
Tarry, Scott	NASA Nebraska Space Grant Consortium FY 19 Augmentation	National Aeronautics and Space Administration	\$45,600
<u>International Studies &amp; Programs</u>			
<u>International Studies</u>			
Kresha, Kathleen	FY2019 Young Southeast Asian Leaders Initiative (YSEALI) Academic Fellowship	U.S. Department of State	\$1,299,960
Meza, Jane	Pakistan Teaching Excellence and Achievement (TEA) English Language Teacher Exchange	U.S. Department of State	\$699,078

Total Award Amount July 1 - December 31, 2019: \$15,202,203