


Fall 2022

External Funding Bulletin, July - Decemeber 2022

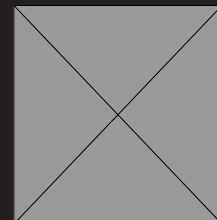
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OFFICE OF RESEARCH AND CREATIVE ACTIVITY



EXTERNAL FUNDING BULLETIN

Congratulations to the recent award recipients!

July 1, 2022 - December 31, 2022

College

Department

Name

Title

Sponsor

Award

Academic Affairs

STEM TRAIL Center - Dept

Stevenson, Nikolaus

Building Staff Confidence to Facilitate
STEM Engagement through the NE STEM
4U Program

Collective for Youth/Peter Kiewit
Foundation

\$11,000

ELO Elementary Provider Opportunity

Collective for Youth

\$3,000

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

\$211,755

UNO Child Care Center Nebraska Child Care
Stabilization Grant

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

\$33,126

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

\$66,909

Davis, Paul H.

INBRE DRPP: Investigating Novel
Chemotherapeutics Against the Parasite
Toxoplasma gondii

University of Nebraska Medical
Center/National Institutes of Health

\$67,390

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

Multi-generational engagement via NE
STEM 4U program enrichment

Collective for Youth/Sherwood
Foundation

\$51,165

Lu, Guoqing

Role of chive-derived exosome-like
nanoparticles in suppressing inflammation
in obesity

University of Nebraska - Lincoln/
National Institutes of Health

\$14,383

Tapprich, William

Nebraska research network of functional
genomics - Biology parent project 2020-
2025

University of Nebraska Medical
Center/National Institutes of Health

\$114,493

Structure of Enterovirus RNA

University of Nebraska Medical
Center/National Institutes of Health

\$66,536

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July 1, 2022 - December 31, 2022

College Department Name	Title	Sponsor	Award
<u>Chemistry</u>			
Svechkarev, Denis	A ratiometric fluorescent sensor array for bacterial pathogen investigation	University of Nebraska Medical Center/National Institutes of Health	\$13,582
<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	\$115,368
Nelson, Sarah	Recovering Indigenous Histories: How Urban Development Erased Jefferson Square	Engagement Scholarship Consortium	\$5,000
<u>Health Careers Resource Center</u>			
Davis, Paul H.	Area Health Education Centers Point of Service Maintenance and Enhancement	University of Nebraska Medical Center/Health Resources and Services Administration	\$113,236
<u>History</u>			
Celinscak, Mark	Nobody's Listening	Humanities Nebraska	\$2,000
<u>Physics</u>			
Sabirianov, Renat	RII Track-1: Emergent Quantum Materials and Technologies (EQUATE)	University of Nebraska - Lincoln/National Science Foundation	\$167,331
<u>Political Science</u>			
Doctor, Austin	Workshop and Report on Research Challenges in Combating Terrorist Use of Explosives in the United States	U.S. Department of Homeland Security	\$997,092
	Reintegrating the returning spouses and children of foreign terrorist fighters	U.S. Department of Homeland Security	\$192,123
McNamara, Patrick	2022-2024 YSEALI Institute on Civic Engagement	U.S. Department of State	\$1,350,000
Obradovic, Lana	Balkan Youth Leaders Civic Engagement Institute	U.S. Department of State	\$149,995
	BOLD (Young Balkan Leaders) Civic Engagement Fellowship Program	U.S. Department of State	\$149,994
	BOLD (BiH Omladinski Lideri, Bosnia and Herzegovina Young Leaders) Academic Fellowships for BiH Student Leaders	U.S. Department of State	\$125,000
<u>Psychology</u>			
Folberg, Abby	Marie Curie III Scholars Program (MC-III)	College of Saint Mary/National Science Foundation	\$17,299
He, Yimin	Enhancing Safety Climate and Total Worker Health in Organizations	Oregon Health and Science University	\$16,612

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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
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Reiter-Palmon, Roni	Novozymes Needs Assessment: Understanding turnover and retention	Novozymes Blair, Inc.	\$6,231
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Assessing Malevolent Creativity in the Workplace: A Performance-Based Approach	American Psychological Association	\$1,757
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The Relationship Between the Dark Triad Traits, Aggression, and Malevolent Creativity in Males and Females	American Psychological Association	\$1,601
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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	\$66,565
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College of Business Administration

Executive MBA Program

Martikainen, Katie	Strategic Leadership Fellows Program	U.S. Department of the Air Force/ U.S. Department of Defense	\$158,501
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Management

Allen, Matt	Public Safety Violence Prevention	U.S. Department of Homeland Security	\$4,508,109
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Ligon, Gina	NATIONAL COUNTERTERRORISM INNOVATION, TECHNOLOGY, AND EDUCATION (NCITE) CENTER	U.S. Department of Homeland Security	\$4,400,000
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TASK ORDER REQUEST FOR PROPOSAL (TORP) # 70RSAT219R00000021	U.S. Department of Homeland Security	\$1,249,277
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Nebraska Business Development Center

Asmus, Scott	SourceLink Nebraska Resource Partner Infrastructure Project	U.S. Economic Development Administration	\$479,860
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Lang, Catherine	Economic Development Administration University Center Economic Development Program	U.S. Economic Development Administration	\$112,000
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Nichol-Caddy, Josh	Federal And State Technology (FAST) Partnership Program	U.S. Small Business Administration	\$125,000
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Policy Education Meeting	The State Science & Technology Institute	\$2,500
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July 1, 2022 - December 31, 2022

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<u>College of Communication, Fine Arts & Media</u>			
<u>KVNO</u>			
Brownrigg, Sherry	Weitz Family Foundation (2022 Grant Award)	Weitz Family Foundation	\$10,000
<u>School of Music</u>			
Madsen, Pete	UNO Great Plains Jazz Festival 2023	Nebraska Arts Council	\$5,673
	UNO Jazz National Hispanic Heritage Month Project	Nebraska Arts Council/National Endowment for the Arts	\$1,860
<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	\$589,212
Kamenskiy, Alexey	AngioDynamics laser evaluation	AngioDynamics	\$49,553
Kingston, David	Mechanics of overground, dry, and aquatic treadmill walking in children & adolescents with cerebral palsy	National Institutes of Health	\$448,118
Likens, Aaron	Repeated Bouts of Physical Stress: A Lab Based Simulated Multiday Mission Scenario	National Strategic Research Institute/U.S. Department of Defense	\$50,117
Myers, Sara	RR&D Small Projects in Rehabilitation Research (SPIRE) (I21)	Omaha Veterans Administration Medical Center/U.S. Department of Veterans Affairs	\$89,211
	Exoskeleton footwear to improve walking performance and subject reported preference	Omaha Veterans Administration Medical Center/U.S. Department of Veterans Affairs	\$68,926
	Great Plains IDEa-CTR	University of Nebraska Medical Center/National Institutes of Health	\$17,580
Stergiou, Nikolaos	Harnessing Movement Variability to Treat and Prevent Motor Related Disorder	National Institutes of Health	\$2,036,407
	Gaitprints as Predictors of Disease and Disability for Effective Rehabilitation Engineering	University of Nebraska - Lincoln/Intelligence Advanced Research Projects Activity	\$167,273
	WatchID - Whole Body Analysis with Transformed Cross-modality Hierarchical Features for Biometric Identification	University of Nebraska - Lincoln/Intelligence Advanced Research Projects Activity	\$88,390
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	\$31,528
	Student Support-Signs & Shapes	Signs & Shapes International, Inc	\$7,411

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<u>College of Education, Health, and Human Services - Dean's Office</u>			
Bruckner, Martha	Synergy: Utilizing Collaborative Leadership Training to Positively Flip the Conversation about the Education Profession	Nebraska Department of Education	\$100,000
	Learning Community of Douglas and Sarpy Counties Early Literacy Collaboration	Learning Community of Douglas and Sarpy Counties	\$75,000
Swain, Kristine	OPS Career Ladder in Special Education	Omaha Public Schools/Sherwood Foundation	\$249,675
<u>School of Health and Kinesiology</u>			
Bursal, Christopher	MAVIS-D: Metrics for Assessing Visually-Induced Spatial Disorientation	Aptima, Inc./U.S. Department of Defense	\$38,550
	Correlation between Center of Pressure Deviation and Proprioception Performance in those with Chronic Ankle Instability	National Athletic Trainers' Association Research & Education Foundation/	\$1,000
Coleman, Jason	Nebraska HIV Testing and Prevention Program	Nebraska Department of Health and Human Services/Centers for Disease Control	\$214,500
Dinkel, Danae	Differences in the effect of classroom-based physical activity interventions on the physical activity of young children based on race/ethnicity and socioeconomic status: A systematic review with meta-analysis	Buffett Early Childhood Institute	\$25,000
Jawed-Wessel, Sofia	Change makers in family planning: Jawed-Wessel, Sofia	Society of Family Planning	\$60,000
Silvka, Dustin	Impact of Muscle Temperature on Muscle Growth and Breakdown	University of Nebraska Medical Center/National Institutes of Health	\$35,783
Wilkins, Sam	The Relationship Between Hamstring Tightness and Pelvis Movement in College Softball Pitcher	National Athletic Trainers' Association Research & Education Foundation	\$1,000
<u>Special Education & Communication Disorders</u>			
Kumke, Jill	NSLHA 2022 Fall Convention	Sertoma International	\$425
<u>College of Information Science & Technology</u>			
<u>Computer Science</u>			
Subramaniam, Mahadevan	RII Track-2 FEC: Data Driven Material Discovery Center for Bioengineering Innovation	South Dakota School of Mines and Technology/National Science Foundation	\$320,053
<u>Information Systems & Quantitative Analysis</u>			
Grover, Andrea	Streamlining Embedded Assessment to Understand Citizen Scientists' Skill Gains	University of Maryland/National Science Foundation	\$3,000

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Khazanchi, Deepak	iSTEM After School (Middle Schools)	Collective for Youth	\$27,756
	Efficiency And Quality In Post-Surgical Pain Therapy After Discharge - EQUIPPED	University of Nebraska Medical Center/Agency for Healthcare Research and Quality	\$15,000

School of Interdisciplinary Informatics

Clarke, Martina	Union Pacific "Account on the Web" (AOW) System	Union Pacific Railroad Company	\$141,189
Cooper, Kate	E-PACERR: ENHANCING PROFESSIONALISM, ADVOCACY, AND CAPACITY FOR EXCELLENCE IN RESPONSIBLE BIOINFORMATICS RESEARCH	National Institutes of Health	\$85,577
Fruhling, Ann	Great Plains IDEA-CTR	University of Nebraska Medical Center/National Institutes of Health	\$38,948
Gandhi, Robin	SMART Analytics for Critical Infrastructure inside a Resilient Data Fabric (SMART-RDF)	U.S. Army Corps of Engineers	\$4,000,000
Hale, Matt	2022 Nebraska GenCyber	National Security Agency	\$149,975

College of Public Affairs & Community Service

Aviation Institute

Tarry, Scott	NASA Nebraska Space Grant FY 2020-2024	National Aeronautics and Space Administration	\$800,000
	NASA Nebraska Space Grant FY 2020-2024	National Aeronautics and Space Administration	\$60,000

Center for Public Affairs Research

Schafer, Josie	Decision Making and Equity Entrepnurship Support Organizations Kauffman Foundation	Kauffman Foundation	\$310,000
	NE LB 1024 - Data Inventory for North And South Omaha	Olsson, Inc./State of Nebraska Legislature	\$15,000
	Nebraska CASA Association to Conduct Simplified Cost-Benefit Analysis of CASA Program for the State of Nebraska	Nebraska Court Appointed Special Advocates Association	\$8,500
	Community Needs Assessment ITKN	Heroda Bikaxe Consulting	\$8,000

College of Public Affairs & Community Service - Dean's Office

Bartle, John	Regulatory Costs of Housing in Omaha	Welcome Home Coalition	\$3,160
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Gerontology

Blaskewicz Boron, Julie	Richmond Brain Health Initiative	Virginia Commonwealth University/ U.S. Department of Health and Human Services	\$31,061
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<u>Grace Abbott School of Social Work</u>			
Banman, Aaron	NE DHHS Drug Overdose Prevention Evaluation	Nebraska Department of Health and Human Services/Centers for Disease Control	\$150,000
	Evaluation of the Douglas County Recovery Therapeutic Community Intensive Outpatient Program	Douglas County/Office of Juvenile Justice Delinquency Prevention	\$43,000
	Prevention Means Progress 2022	Heartland Family Service/U.S. Department of Health and Human Services	\$10,000
	NCHS Fatherhood Project	Nebraska Children's Home Society/ Nebraska Department of Health and Human Services	\$10,000
<u>School of Criminology & Criminal Justice</u>			
Armstrong, Gaylene	NeVDRS, SUDORS and ODMAP Outreach and Implementation Support	Nebraska Department of Health and Human Services/U.S. Department of Health and Human Services	\$143,769
Hamilton, Zachary	Washington ONE 2.0 Performance	Washington State Department of Corrections	\$250,000
Hobbs, Anne	Evidence-Based Nebraska (EB-NE)	Nebraska Commission on Law Enforcement and Criminal Justice	\$289,900
	Restorative Justice Research Fellowship	University of Vermont/U.S. Department of Justice	\$25,000
Huff, Jessie	Promoting the autonomy of autistic individuals with severe behavior: A survey of opinions on law enforcement interactions when in behavioral crises	University of Nebraska Medical Center/Nebraska Department of Health and Human Services	\$5,257
Miles-Steffens, Monica	Evaluating New Directions in Restorative Practices	Nebraska Administrative Office of Probation/U.S. Department of Justice	\$38,519
	Evaluating New Directions in Restorative Practices	Nebraska Administrative Office of Probation/U.S. Department of Justice	\$30,114
Nix, Justin	An Evaluation of De-Escalation Training to Understand the Links between Training and Outcomes	Clemson University/National Institute of Justice	\$96,588
Rief, Rachel	NIJ's Research Assistantship Program	U.S. Department of Justice	\$40,483
<u>School of Public Administration</u>			
Benenson, Jodi	Measuring Civic Infrastructure and Civic Mobility in the Heartland	AmeriCorps	\$215,010
Tarry, Scott	Femtosecond Laser Functionalized Surfaces for Cryogenic Fluid Management	National Aeronautics and Space Administration	\$750,000

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College Department Name	Title	Sponsor	Award
<u>Division of Student Life & Wellbeing</u>			
Project Achieve			
Lamas, Cristina	Project Achieve Grant Renewal	U.S. Department of Education	\$372,920
<u>International Studies & Programs</u>			
<u>Center for Afghanistan Studies</u>			
Ahmadzai, Sher Jan	Pakistan Teaching Excellence and Achievement (TEA) U.S. Exchange	U.S. Department of State	\$1,499,999
	Developing the Next Generation of Female Environmentalists	U.S. Department of State	\$500,000

Total Award Amount July 1 - December 31, 2022: \$30,432,387