


11-2016

## SPR Bulletin, Spring 2016

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

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# OFFICE OF RESEARCH AND CREATIVE ACTIVITY



## SPONSORED PROGRAMS BULLETIN

Congratulations to the recent award recipients!  
January 1, 2016 – June 30, 2016

College

Department

Name

Title

Sponsor

Award

### Academic and Student Affairs

#### Campus Recreation

Kaminski, Joseph	Walking worksite, Healthy vending, and Breastfeeding initiatives	WELLCOM/Centers for Disease Control	\$350
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#### Community Engagement Center

Olive, Rachel	Hunger Free Heartland Administration	ConAgra Foods Foundation	\$245,000
Woods, Sara	MACCH 2016 Administration	Metropolitan Area Continuum of Care for the Homeless	\$172,000
	Hunger Free Heartland Administration	ConAgra Foods Foundation	\$8,674

#### Student Affairs

Burke, Sarah	Campus Kitchens Project	Campus Kitchens Project	\$3,800
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### Business and Finance

#### Public Safety

Evans, Charlotte	Preliminary Breath Tester	Nebraska Office of Highway Safety/ U.S. Department of Transportation	\$1,710
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### College of Arts & Sciences

#### Biology

Blankenship, Jill	Characterization of the septin-mediated pathways involved in filamentation and cell wall integrity in the pathogenic fungus <i>Candida albicans</i>	University of Nebraska Medical Center/National Institutes of Health	\$21,500
Chase, Bruce	Assessing the Role of the CYP2J2 Gene and Serum Vitamin D Levels in Multiple Sclerosis	University of Nebraska Medical Center/Paralyzed Veterans of America	\$3,300
Cutucache, Christine	NE STEM 4U: Elementary	Collective for Youth/Peter Kiewit Foundation	\$9,000
	K-12 Comprehensive Science Teaching and Learning Grant - Learning Outcomes Assessments No. 2	Omaha Public Schools/Sherwood Foundation	\$17,309
Davis, Paul	Evaluation of Novel Anti-Toxoplasma Therapeutics	University of Nebraska Medical Center/National Institutes of Health	\$21,500
	Modeling Glucose Metabolism Using the Queueing Theory	University of Nebraska - Lincoln/Nebraska EPSCoR	\$33,261
	Developing a Toxoplasma Vaccine Targeting the 2nd Most Costly Annual Foodborne Illness in the US	NU Food for Health	\$138,225

# Congratulations to the recent award recipients!

## January 1, 2016 – June 30, 2016

College Department Name	Title	Sponsor	Award
<b>Kolok, Alan</b>	The Missouri River Research Station	Nebraska Environmental Trust	\$146,916
<b>Lu, Guoqing</b>	Prevention and management of human disease by dietary miRNAs	University of Nebraska - Lincoln/NU Food for Health	\$48,600
<b>Tapprich, William</b>	Nebraska research network of functional genomics - Biology Project	University of Nebraska Medical Center/National Institutes of Health	\$176,476
	Virulence Determinants in the Coxsackievirus B3 RNA Genome	University of Nebraska Medical Center/National Institutes of Health	\$10,750
<b>Wolfenbarger, Lillian</b>	Monitoring population trends of the Buff-breasted Sandpiper in the eastern Rainwater Basin and testing models of habitat use during spring migration	Nebraska Game and Parks Commission	\$13,630
	Seasonal fecundity and post-fledgling survival and habitat selection of Henslow's Sparrow	U.S. Fish and Wildlife Service	\$24,733
<b><u>English</u></b>			
<b>Christensen, Margarette</b>	Oxbow Writing Project - 2016 National Writing Project SEED Grant	National Writing Project/U.S. Department of Education	\$15,000
<b><u>Mathematics</u></b>			
<b>Matache, Mihaela</b>	Development of JIBLM notes for a course on Boolean networks	Academy of Inquiry Based Learning	\$2,500
<b><u>Physics</u></b>			
<b>Mei, Wai-Ning</b>	Defect Chemistry of Metal Oxides for Catalytic Reactive Oxygen Species	University of Nebraska - Lincoln/ National Science Foundation	\$57,282
<b>Sabirianov, Renat</b>	First-principles-based framework for discovery and design of sustainable non-rare-earth high-temperature alloy systems - Phase II	CFD Research Corporation/U.S. Department of Defense	\$28,263
<b><u>Psychology</u></b>			
<b>Allen, Joseph</b>	Proposal to Autism Action Partnership for Comprehensive Employment Survey and PACE Evaluation	Autism Action Partnership	\$58,300
	Proposal for the Career Ladder in Reading and Science Improvement Site Visits, Observations, and Interviews	Education Northwest	\$7,758
	Volunteer Program Assessment at UNO Providing Customized Services to Omaha Area Youth Orchestra	Omaha Area Youth Orchestra	\$1,760
<b>French, Jeffrey</b>	Interaction between diet and gut microbiome using non-human primates as models	University of Nebraska - Lincoln/ Nebraska Research Initiative, University of Nebraska	\$15,000
<b>Reiter-Palmon, Roni</b>	Follower-Leader Identity Integration: Conceptualization, Instrument Validation, and Leader Development	University of California, Riverside/ Army Research Institute	\$110,990
	Curriculum Development Collaboration Sessions for NDE	Nebraska Department of Education	\$10,000

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Reiter-Palmon, Roni	Evaluation of the ARAG Personal Leadership Program	ARAG	\$21,181
<b><u>College of Business Administration</u></b>			
<b><u>Executive MBA Program</u></b>			
Swanson, William	EMBA STEP Program 2016	Nebraska Department of Economic Development	\$15,000
	Blue Cross Blue Shield Nebraska Emerging Leaders Program	Blue Cross Blue Shield of Nebraska	\$44,000
	Honeywell Elster Smart Energy Americas Strategic Analysis Project for Foreign Market Expansion	Honeywell Smart Energy Gas Americas	\$37,000
<b><u>Nebraska Business Development Center</u></b>			
Bernier, Robert	Small Business Development Center	U.S. Small Business Administration	\$650,000
Sargus, Harold	Market research for STEP grant	Nebraska Department of Economic Development	\$7,140
	Leadership Development Program	U.S. Army Corps of Engineers	\$68,000
	Workforce Innovation and Opportunity Planning	Nebraska Department of Labor	\$9,750
<b><u>College of Communication, Fine Arts &amp; Media</u></b>			
<b><u>KVNO</u></b>			
Buckingham, Dana	Community Service Grant	Corporation for Public Broadcasting	\$31,469
<b><u>School of Music</u></b>			
Madsen, Peter	UNO Jazz Camp featuring the Jim Widner Big Band	Mid-America Arts Alliance/National Endowment for the Arts	\$5,000
Perkinson, Mary	Partners in Performance	Nebraska Arts Council/National Endowment for the Arts	\$1,824
<b><u>UNO Television</u></b>			
Allen, Chris	Community Service Grant	University of Nebraska - Lincoln/ Corporation for Public Broadcasting	\$74,446
<b><u>College of Education</u></b>			
<b><u>Biomechanics</u></b>			
Myers, Sara	Gait after intervention trial in peripheral arterial disease	Omaha Veterans Administration Medical Center/U.S. Department of Veterans Affairs	\$5,867
	Ramipril treatment of claudication: Oxidative damage and muscle fibrosis	University of Nebraska Medical Center/National Institutes of Health	\$6,279
Stergiou, Nicholas	Predictions of Driver Safety in Advancing Age: Real-World Recorders	University of Nebraska Medical Center/National Institutes of Health	\$14,469
	Predictions of Driver Safety in Advancing Age: Real-World Recorders	University of Nebraska Medical Center/National Institutes of Health	\$28,060
	Multisegmental Sensor Integration for Balance Control	Engineering Acoustics, Inc./U.S. Army	\$100,000

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<b>Stergiou, Nicholas</b>	Harnessing Movement Variability to Treat and Prevent Motor Related Disorder	National Institutes of Health	\$2,052,054
<b>Yentes, Jennifer</b>	Reliability of a portable device to measure respiratory and step rates	UNeMed/Nebraska Research Initiative, University of Nebraska	\$76,410
<b><u>School of Health, Physical Education, &amp; Recreation</u></b>			
<b>Coleman, Jason</b>	Adolescent Health Project	Women's Fund of Omaha	\$107,920
<b>Slivka, Dustin</b>	Human Skeletal Muscle Responses to Temperature: Implications in Health and Disease	University of Nebraska Medical Center/National Institutes of Health	\$21,500
	Evaluation of the physiological challenges in extreme environments: Implications for enhanced training, operational performance, and sex-specific responses	University of Montana/U.S. Department of Defense	\$146,182
<b><u>Teacher Education</u></b>			
<b>Edwards, Sarah</b>	OPS Career Ladder in Reading Program	Omaha Public Schools/Sherwood Foundation	\$713,090
	Para-to-Teacher Project	Omaha Public Schools	\$321,030
<b>McGlamery, Sheryl</b>	EUREKA! STEM Summer Camp	Girls, Inc.	\$80,000
<b><u>College of Information Science &amp; Technology</u></b>			
<b><u>Computer Science</u></b>			
<b>Ricks, Brian</b>	FIRST: Better Designs for Better Safety– Improving the Realism of Crowd Simulation	Nebraska EPSCoR/National Science Foundation	\$19,991
<b>Zhu, Qiuming</b>	Reducing Food Wastage through Smart Food Inventory Monitoring	University of Nebraska - Lincoln/NU Food for Health	
<b><u>Dean's Office</u></b>			
<b>Fowler, Zachary</b>	Service Agreement: CSE Automation Website	CSE Automation, LLC	\$3,051
	Service Agreement: Mobile App and Management Portal	Nebraska Health Network	\$6,599
<b>Khazanchi, Deepak</b>	American Title Accounting Services Task Order AS-1	American Title, Inc.	\$2,000
	Service Agreement: NFM Business Intelligence	Nebraska Furniture Mart	\$55,193
<b>McGraw, Angela</b>	Walmart Foundation S. 72nd St. Techademy tuition	Walmart Foundation	\$1,000
<b><u>School of Interdisciplinary Informatics</u></b>			
<b>Bastola, Dhundy</b>	Nebraska Research Network of Functional Genomics - Bioinformatics	University of Nebraska Medical Center/National Institutes of Health	\$29,791
<b>Derrick, Douglas</b>	Advanced Collaboration Enterprise Service with the Office of the Secretary of Defense Rapid Reaction Technology Office	National Strategic Research Institute	\$379,920
	Advanced Collaboration Enterprise Service Undergraduate Research Assistant	Triangle Experience Group, Inc.	\$19,444

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Fruhling, Ann	Nebraska Public Health Laboratory STATPack Tablet Development	University of Nebraska Medical Center/Health Resources and Services Administration	\$15,000
	Oklahoma STATPack Maintenance	State of Oklahoma	\$15,000
Gandhi, Robin	Safety Software Assurance Compliance Verification and Risk Evaluation	Tri-Guard Risk Solutions, LTD/U.S. Department of Energy	\$69,798
Gherzi, Dario	Analyses of Gene Expression Microarrays and Deep Sequencing of T-cell Receptors	University of Massachusetts Medical School	\$2,500
Hale, Matthew	GenCyber Camp 2016	AIM Institute/National Security Agency	\$29,211

### **College of Public Affairs & Community Service**

#### **Goodrich Scholarship Program**

Romero, Troy	Transitions	Autism Action Partnership	\$33,000
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#### **Grace Abbott School of Social Work**

Harder, Jeanette	Prevention Means Progress - Me360 Program Evaluation	Heartland Family Service/U.S. Department of Health and Human Services	\$10,000
	Community Action - Early Head Start and Head Start Community Assessment	Community Action Partnership of Lancaster and Saunders Counties/ U.S. Department of Health and Human Services	\$24,150
	Metropolitan Community College - MCC Express Program Evaluation	Metropolitan Community College	\$9,833
	Catholic Charities Christ Child Learning Center Needs Assessment and Program Evaluation	Catholic Charities of Omaha	\$5,850
	Hope Center for Kids - Village Basketball Alliance Program Evaluation	Hope Center for Kids	\$5,020
	Community Action of Nebraska - Data Analysis and Community Assessment	Community Action of Nebraska, Inc.	\$15,144
	Children's Scholarship Fund - Parent Survey	Children's Scholarship Fund	\$4,316

#### **School of Criminology & Criminal Justice**

Batton, Candice	Developing a Tool to Address the Problem of Correctional Officer Stress	Arizona State University/National Institute of Justice	\$50,177
Hobbs, Anne	Assistance with Sarpy County Data Collection - Juvenile Detention Alternatives	Sarpy County	\$1,200
	Evidence-Based Nebraska	Nebraska Commission on Law Enforcement and Criminal Justice	\$280,000
Simi, Peter	Empirical Assessment of Domestic Disengagement and Deradicalization	University of Maryland/National Institute of Justice	\$90,000
	Nebraska Department of Health and Human Services Graduate Assistant	Nebraska Department of Health and Human Services	\$8,352
Spohn, Ryan	Douglas County Juvenile Justice Alternatives Evaluation	Sherwood Foundation/Douglas County	\$126,808
	Project Safe Neighborhoods	City of Omaha/U.S. Department of Justice	\$28,989

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## January 1, 2016 – June 30, 2016

### College

#### Department

#### Name

#### Title

#### Sponsor

#### Award

Spohn, Ryan

Vocational and Life Skills Evaluation 2016

Nebraska Department of Corrections

\$27,610

Vocational and Life Skills Evaluation 2016 - 2018

Nebraska Department of Corrections

\$319,750

Steiner, Emily

Iowa Department of Corrections Prison Rape Elimination Act Project

Iowa Department of Corrections

\$100,633

#### **School of Public Administration**

Tarry, Scott

Undergraduate Student Instrument Project: Retractable Boom for Microgravity Payload

National Aeronautics and Space Administration

\$200,000

NASA Nebraska Space Grant Consortium FY 2015 - FY 2017

National Aeronautics and Space Administration

\$400,000

#### **International Studies & Programs**

##### **Dean's Office**

McNamara, Patrick

University of Nebraska at Omaha, Kabul University, and Balkh University Partnership in Communication Program

fhi 360/U.S. Agency for International Development

\$1,253,320

##### **International Programs**

Leahy, Kristy

Batchelder Biblical Archaeology Conference

Clifton B. and Anne Stuart Batchelder Foundation

\$10,000

#### **Peter Kiewit Institute**

##### **Peter Kiewit Institute**

Taylor Jr, James

Planning Grant for a Conference on Remote Sensing and Spatial Analysis for Agricultural Productivity and Sustainability

NU Food for Health

\$19,962

**Total Award Amount: \$9,713,870**

#### Other news from ORCA:

Our long time Director of Sponsored Programs, Mary Laura Farnham, officially retired from UNO on July 1, 2016. She has been an invaluable member of our office and will be greatly missed. We wish her well on all of her upcoming life adventures and express our sincere gratitude and appreciation for her contributions and leadership.

Over the past few months, ORCA has added new talent to our team in order to continue support for scholarly activity at UNO. Please join us in welcoming Dr. Sara Myers, Assistant Vice Chancellor for Research and Creative Activity, Roberto Robles, Research Compliance Officer and Contract Specialist, and Annie Chance, Grants Coordinator.