

2018

Internal Funding Newsletter, Academic Year 2017-2018

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

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Office of Research and Creative Activity

Internal Funding Newsletter

Academic Year 2017-2018



Dear Colleagues and Friends,

Each year, University of Nebraska at Omaha faculty and students conduct globally relevant research and creative activity that reflects the metropolitan mission of the university. The Office of Research and Creative Activity's internal funding programs support those scholarly endeavors through the Fund for Undergraduate Scholarly Experiences (FUSE), Graduate Research and Creative Activity (GRACA), the University Committee on Research and Creative Activity (UCRCA), and the Award for Distinguished Research and Creative Activity (ADROCA).

During the 2018/2019 academic year, these programs provided over **\$500,000** of support for faculty and student research and creative activity. The projects are a reflection of the diverse interests of the UNO community: developing and testing low-cost limb exoskeletons for stroke patients, student experiences with food insecurity, predicting invasiveness of fish species in the Upper Missouri River, performances at a national opera convention, and investigating STEM teaching strategies in elementary school classrooms.

Students awarded internal funding from these programs get a once-in-a-lifetime opportunity to engage with expert faculty mentors as they learn valuable research techniques and create new knowledge, new art, and new music. Students will carry these experiences into their careers and throughout their lives.

Internal funding support for faculty provides opportunities to solve real-world problems, and the results are presented in the peer reviewed literature and at conferences, exhibitions, and performances around the globe.

Additionally, our programs give UNO faculty the opportunity to attract resources from outside the university to make scholarly activities sustainable over the long term.

Finally, we would like to take a moment to thank all of our dedicated faculty mentors who have guided students through research and creative activity experiences, as well as the members of the UCRCA committee. These programs do not operate without their time and expertise. We look forward to working with the UNO community over the coming year as we explore new research and creative activity from students and faculty.

Best regards,

Dr. Kenneth Bayles
Interim Associate Vice Chancellor

Dr. Sara Myers
Assistant Vice Chancellor

UNIVERSITY OF
Nebraska
Omaha



UNIVERSITY COMMITTEE ON RESEARCH AND CREATIVE ACTIVITY (UCRCA) Faculty Awards

The purpose of UCRCA is to expand the capacity for research and creative activity at UNO. The UCRCA supports all areas, types, and disciplines of research and creative activity by pre- and post-tenured faculty at UNO. The committee places special emphasis on seed grant funding for projects

Last	First	College	Dept.	Project Title	Award
Battisti	Danielle	AS	HIST	The Privileges of Illegality: Unauthorized Italian Immigration to the United States and Adjustment of Status in the Twentieth Century	\$5,000
Casaca De Rocha Vaz	Joao	ED	BMCH	Circadian Rhythms and Human Movement Variability	\$4,825
Dinkel	Danae	ED	H&K	How does weight influence parents promotion of active play and motor development in infants?	\$5,000
Escayg	Kerry-Ann	ED	TED	What is Whiteness? Centering the experiences and perspectives of African American children	\$5,000
Feng	Zhigang	BA	ECON	Patient Protection and Affordable Care Act and Entrepreneurship in the U.S.	\$5,000
Grispos	George	IST	SI2	An Exploratory Residual Data Analysis of Automotive Mobile Applications	\$5,000
Hunt	Nathaniel	ED	BMCH	Developing and Validating a Wearable Apparatus For Slip Perturbations with Controllable Difficulty	\$4,770
Karabon	Anne	ED	TED	Playing with math and science: Investigating STEM concepts in early elementary grade classrooms	\$4,900
Kellar	Roxi	AS	BIOL	Conservation of endemic Hawaiian fern, Diplazium molokaiense	\$5,000
Maher	Harmon	AS	GEOL/ GEOG	Magnitude and timing of NW Spitsbergens metamorphic core complex movements	\$5,000
Nix	Justin	CPACS	CJUS	An Exploration of Police Officers' Support for Procedural Justice and Democratic Policing	\$3,500
Park	Song-Young	ED	H&K	Impacts of Mitochondrial-Targeted Antioxidant on Leg Blood Flow and Skeletal Muscle Mitochondrial Function in Peripheral Artery Disease Patients	\$5,000
Petrow	Gregory	AS	PSCI	Boys Will Be Boys, but Lock Her Up!: How Integrity Failures Differently Affect Perceptions of Male and Female Political Candidates	\$5,000
Reames	Jeanne	AS	HIST	Dionysic Imagery in Macedonian Cult and Its	\$5,000
Richter-Egger	Dana	AS	CHEM	Iron Speciation in Phosphorous Reclamation	\$2,455
Subramanian	Roma	CFAM	COMM	#notokay: Understanding the antecedents and consequents of disclosing a concealable stigmatized identity on a social media platform	\$1,000
Zhao	Rui	IST	SI2	Investigation of Android Permission Bypass Threat	\$5,000
Total Faculty UCRCA Awards:					\$76,450

2017-2018 Internal Funding Awardees

Student Awards

FUND FOR UNDERGRADUATE SCHOLARLY EXPERIENCES (FUSE)

FUSE grants support faculty-mentored undergraduate student research and creative activity. Grants of up to \$4,500 per student were available to UNO undergraduate students.

Last	First	Faculty Mentor	College	Dept.	Project Title	Award
Alizai	Zohal	Slivka	ED	H&K	Day to Day and Leg to Leg Variation in Gene Expression	\$2,000
Andersen	Blake	Sollars	AS	PSYC	Multimodal Microglia Activation in the NTS Following Lingual Nerve Transection in Sprague-Dawley Rats	\$2,500
Anderson	Cody	Podariu	AS	PHYS	Miller Indices, Group Theory, Diamond Rings and More	\$2,000
Arce	Walker	Zuniga Ulloa	ED	BMCH	Development and Testing of 3D Printed Prostheses, Orthoses, and Assistive Devices for Children and Adults	\$2,500
Arellano	Anthony	Myers	ED	BMCH	Muscle oxygenation measurements in patients with peripheral artery disease walking with and without an ankle foot orthosis	\$2,500
Bierman	Gabriel	Shafer	CFAM	MUS	Binaural Microphone Array	\$2,489
Bresnahan	Sean	Wong	AS	BIOL	Investigating COMT Influence on the Proactive-Reactive Stress Coping Axis in Zebrafish	\$2,500
Buffum	Russell	Knarr	AS	BMCH	Evaluation of Low Cost Instrumentation for Measuring Force Symmetry While Using a Leg Press	\$2,300
Butler	Andrew	Zuniga Ulloa	ED	BMCH	Development and Testing of 3D Printed Prostheses, Orthoses, and Assistive	\$2,500
Comstock	Gina	Irwin	AS	SOC/ ANTH	Experiences of Dysphoria and Desire for Medical Transition Among Nonbinary Trans Individuals	\$2,000
Ernst	Ryan	Pawaskar	IST	IS&T	Forensics Analysis for Bone Pair Matching Using Bipartite Graphs in Commingled Remains	\$2,500
Fouche	Hayley	Davis	AS	BIO	Creating an AP2III-3 Knockout Strain of Toxoplasma gondii to Study Bradyzoite Differentiation	\$2,500

FUND FOR UNDERGRADUATE SCHOLARLY EXPERIENCES (FUSE)

Last	First	Faculty Mentor	College	Dept.	Project Title	Award
Froid	Matthew	Rowen	AS	BIO	Characterization of the Role of mexT in Resistance to DASamp2	\$2,500
Fullner	Cole	Sollars	AS	PSYC	Effect of Cyclic-AMP on Chorda Tympani Terminal Field in Rats	\$2,500
Goodman	Alex	Wong	AS	BIO	Effects of chronic ethanol on stress coping style and genetic states of zebrafish (<i>Danio rerio</i>)	\$2,500
Jaksich	Sarah	Kellar	AS	BIO	Taxonomic classification of <i>Diplazium molokaiense</i> , a fern endemic to Hawaii, using molecular and morphological character	\$2,500
Jaravata	Daniel	Marmelat	ED	BMCH	Effect of the Usage of Handrails on Gait Dynamics in People with Parkinson's Disease	\$2,500
Keller	Halee	Slivka	ED	H&K	Effects of Environmental Temperature on Exercise Response and Adaptation	\$2,500
Kirts	Connor	Baguyos	IST	SI2	SoundTrack+	\$2,000
Klein	Dillon	Dere	AS	GEOL/ GEOG	Investigating nutrient solubility and retention in a "No-Till" and "Till" Agriculture Fields"	\$2,500
Larimore	Madison	Keisner	AS	ENGL	HumanKind: A Perspective Collection	\$2,000
Miller	Kyla	Allen	AS	PSYC	Implicit Meeting Theory and Meeting Prototypicality	\$2,500
Morley	Bailey	Walls	AS	FLNG	Teacher Beliefs about Focus on Form: Differences and Similarities among Native and L2 Spanish Speakers	\$2,120
Mullen	Barbara	Stack	AS	CHEM	Evaluation of the Metabolic Fate of BPA-GSH Adduct Using Cyclic Voltammetry	\$2,500
Nelson	Quinn	Tapprich	AS	BIOL	Data Analytics Pipeline for RNA Structure Analysis via SHAPE	\$2,500
Palensky	Nicholas	Shafer	CFAM	MUS	Modular Synthesizer System	\$2,486
Parcher	Sara	Maher	AS	GEOL/ GEOG	Geologic history of metamorphic transformations in a Spitsbergen core complex	\$2,500
Picken	Will	Zuniga Ulloa	ED	BMCH	Development and Testing of 3D Printed Prosthesis, Orthoses, and Assistive Devices for Children and Adults	\$2,500
Purcell	Stephanie	Lu	AS	BIOL	Meta-analysis of Characteristics in Upper Missouri River Fishes: Prediction of Invasiveness	\$2,500

FUND FOR UNDERGRADUATE SCHOLARLY EXPERIENCES (FUSE)

Last	First	Faculty Mentor	College	Dept.	Project Title	Award
Sack	Samantha	Davis	AS	BIOL	Towards a mechanism of action of an antischistosomal drug: measuring granulocytic activity	\$2,500
Sindelar	Katherine	Bastola	IST	IS&T	Multi-omics investigation of functional adaptations in <i>Novosphingobium</i> sp., a phyllobiome bacteria	\$1,800
Spencer	Nicholas	Shafer	CFAM	MUS	Laptop Performance Ensemble	\$2,500
Summers	Ethan	Cooper	IST	SI2	Assessment of Network Clustering Algorithms on PPI Data	\$2,000
Wallick	Alexander	Davis	AS	BIOL	In vitro Activity of Marinopyrrole Derivatives Against <i>Toxoplasma gondii</i> and Host Cell Division	\$2,500
Walski	Andrew	Hunt	ED	BMCH	Development of Release Mechanism for Wearable Apparatus for Slip Perturbations	\$2,332
Watson	Sean	Davis	AS	BIOL	Mutagenesis Optimization in <i>Toxoplasma gondii</i> for Drug Development	\$2,500
Wiebe	Erin	Melanson	AS	PHIL	"I Knew You'd Say That!": Comparing the Epistemic Value of Expected and Actual Disagreement	\$2,000
Winchester	Christopher	Rodie	BA	MKTG/ MGMT	The Effect of Two Types of Workload Assignment on Productivity, Performance, and Stress	\$2,000
Wulf	Mariah	French	AS	PSYCH	Oxytocin's Role in Facilitating Social Memory	\$2,500
Ybay	Henamari	Myers	ED	BMCH	Correlation Between Initial Claudication Distances and Absolute Claudication Distances and Recovery Time	\$2,500
Total FUSE Awards:						\$94,527
Total FUSE Mentor Awards:						\$18,000

GRADUATE RESEARCH AND CREATIVE ACTIVITY (GRACA)

GRACA grants support faculty-mentored graduate student research and creative activity. Grants of up to \$5,000 per student were available to UNO graduate students.

Last	First	Faculty Mentor	College	Dept.	Project Title	Award
Adams	Emily	Allen	AS	PSYC	Demand, Control, Support: Identifying Mechanisms of Meeting Stress	\$5,000
Ameri	Kimia	Cooper	IST	SI2	A Network-based Compartmental Model for the Spread of Whooping Cough in Nebraska Project Description Background	\$5,000
An	Bit	Maher	CPACS	PA	Why do nonprofits decide to participate in payment lieu of taxes (PILOTs) programs? Is this relationship collaborative or coercive?	\$5,000
Antonellis	Prokopios	Malcolm	ED	BMCH	Effects of Timing and Magnitude of Waist Pulling Assistance on Metabolic Cost and Joint Mechanics	\$5,000
Apa	Kristi	Sollars	AS	PSYC	NEUROPROTECTIVE EFFECT OF CURCUMIN FOLLOWING NERVE INJURY	\$5,000
Bezhani	Mahmud	Tapprich	AS	BIOL	Exploring the role of host poly rC binding protein in Cocksackievirus virulence	\$5,000
Bhat Hosmat	Vivek	Pawaskar	IST	IST	Use of Exploratory Data Analysis and Visualization in Identification of Commingled Human Remains	\$5,000
Boeck	Jackie	Yentes	ED	BMCH	An Investigation into the Psychological Factors of PA in Asthma Patients	\$5,000
Braun	Clara	Ligon	BA	CCS	Roles in Foreign Terrorist Organizations: Pathways Defined by Educational and Training Experiences	\$5,000
Buchta	Roland	Proulx	AS	FLNG	Representations of Immigration in Qubcois Film	\$5,000
Carp	Sarah	French	AS	PSYC	Exploration of Variation in the Mu Opioid Receptor Gene and Correlated Changes in Social Stress and Reward Behavior	\$5,000
Chetti	Prasad	Ali	IST	CS	A Correlation Network Model (CNM) for managing safety and performance issues in bridges and civil infrastructures	\$5,000
Cohen	Sarah	Christensen	AS	ENG	Using From the Heartland in the First-Year Writing Classroom: Measuring Instructor Reception of the Customized Textbook	\$5,000
Cunningham	Kristen	Strasser	AS	PSYC	Effects of Oxytocin on Therapy Dog Behaviors	\$5,000

GRADUATE RESEARCH AND CREATIVE ACTIVITY (GRACA)

Last	First	Faculty Mentor	College	Dept.	Project Title	Award
Darwish	Zachary	Strasser	AS	PSYC	Relationship Between Object Neophobia and Large Group Social Interactions in Zebra Finches	\$5,000
Dudley	Drew	Zuniga Ulloa	ED	BMCH	Developing and Testing of a Low-Cost Upper Limb Exoskeleton for Stroke Patients	\$5,000
Embury	Christine	Beadle	CPACS	GERO	Attention Processes in Type 1 Diabetes: a MEG Study of Aging with Diabetes	\$5,000
Epinger	Ebonie	Nix	CPACS	CJUS	Public Perception of the Police: Does Social Media Matter?	\$5,000
Fallah Tafti	Farahnaz	Yentes	ED	BMCH	Stress and mental load assessment during dual task performance	\$5,000
Fletcher	B.J.	Hoflund	CPACS	PA	Food Insecurity: The Student Experience	\$5,000
Forehead	Chelsea	McCarty	AS	BIOL	GRACA Proposal- Masters Thesis Research	\$5,000
Gholamalitabarfirouzjaee	Saeed	Volkman	BA	FIN	Stock Market Prediction Using Elliot Wave Theory and Classification	\$5,000
Gillespie	Elizabeth	Eikenberry	CPACS	PA	Womens philanthropic foundations: Agents for gender equality?	\$5,000
Hamer	Tyler	Knarr	AS	BMCH	Postoperative knee satisfaction: the effect of operative outcomes on satisfaction in Post-Total Knee Arthroplasty patients	\$5,000
Haverkost	Ann	Reames	AS	HIST	A Typological and Iconographic Analysis of Macedonian Burials in the Classical and early Hellenistic Period (5th-mid 3rd Centuries BCE)	\$5,000
Hedrick	Erica	Takahashi	ED	BMCH	HOW PROSTHETIC ANKLE STIFFNESS & LOAD CARRIAGE AFFECT METABOLIC ENERGY EXPENDITURE DURING WALKING	\$5,000
Helseth	Angie	Boron	CPACS	GERO	Impact of Cognition and Context While Dual-Tasking in the Oldest Old	\$5,000
Horn	Chris	Tapprich	AS	BIOL	Interactions between Host Protein PCBP2 and Cocksackievirus B3 Genomic RNA	\$5,000
Irby	Alyssa	Rosen	ED	H&K	Diagnostic Accuracy of Instrumented Helmets to Assess Concussions in High School Football Athletics	\$5,000

GRADUATE RESEARCH AND CREATIVE ACTIVITY (GRACA)

Last	First	Faculty Mentor	College	Dept.	Project Title	Award
Jantz	Deepika Angelene	Pawaskar	IST	ISQA	Cloud Control and Monitoring: Personal Food Computer Version 2.0	\$5,000
Kaboli-Nejad	Sahra	Ryan	AS	PSYC	Are Job Advertisements Deterring Strong Female Applicants? A Look into STEM Job Ads	\$5,000
Kanouse	Samantha	Strasser	AS	PSYC	A Females Choice: An Exploratory Study on Reproductive Selection in the Domestic Dog	\$5,000
Kent	Jenny	Stergiou	ED	BMCH	The implications of lower limb impediment for our ability to walk on uneven terrain.	\$5,000
Kim	Ji Seul	Ebdon	CPACS	PA	The Changes and Impacts of Capital Management Practices- U.S. Counties	\$5,000
Kim	Yunseung	Ebdon	CPACS	PA	Fiscal Impacts and Equity of Water and Wastewater Funding Sources in Nebraska	\$4,998
Kotlaja	Marijana	Armstrong	CPACS	CJUS	Electronically Monitored Youth: Perceptions of Stigma	\$5,000
Landowski	Nicole	Henebry	BA	FIN	Exploring and Developing Effective Team Behaviors: An Analysis of Emerging Business Professionals	\$5,000
Leutzinger	Todd	Myers	ED	BMCH	Walking adaptations to an ankle foot orthotic in individuals with peripheral artery disease.	\$5,000
Lindquist	Isaac	Allen	AS	PSYC	Well I Guess He's Right: Exploring Meeting Engagements Role in the Effects of Power Distance	\$5,000
Lopez	Hannah	DeVeney	ED	SPED	Early communicative characteristics across samples from two infant populations at-risk for autism	\$5,000
Maliakkal	Nadine	Reiter-Palmon	AS	PSYC	Problem Solving in the Workplace	\$5,000
Marolf	Chelsi	Wilson	AS	BIOL	Pregnancy in zoo-managed female African elephants (<i>Loxodonta africana</i>): Investigating possible hormonal and metabolic indicators of successful and unsuccessful pregnancies.	\$5,000
Marsh	Lara	Zerbe	CFAM	CFAM	Approaches to Invigorating Classical Theatre for Modern Day Audiences, as Explored in London	\$5,000
Mertens	Attakias	Chase	AS	BIOL	The Possible Cognitive Confound in Olfactory	\$5,000
Motz	Zachary	Mukherjee	ED	BMCH	Inter-limb coordination differences in chronic stroke survivors: an improved focus for rehabilitation	\$5,000

GRADUATE RESEARCH AND CREATIVE ACTIVITY (GRACA)

Last	First	Faculty Mentor	College	Dept.	Project Title	Award
Mroz	Joseph	Allen	AS	PSYC	Whats Your Excuse? Effects of Excuse Type and Content for Workplace Transgressions on Interpersonal Relationships	\$5,000
Papachatzis	Nikolaos	Takahashi	ED	BMCH	The Energy Paradox of the Ankle-Foot Complex during Human Walking	\$5,000
Pekas	Liz	Park	ED	H&K	Dietary Nitrate Supplementation and Thermoregulation During Exercise	\$5,000
Poynor	Brittany	Dickson	AS	BIOL	Effects of rangeland management on milkweed grazing and monarch conservation	\$4,000
Rasmussen	Corbin	Hunt	ED	BMCH	Reactive Responses to Slipping Perturbations during Change-of-Direction Maneuvers in Young and Older Adults	\$5,000
Riquier	Andrew	Sollars	AS	PSYC	Satellite Glial Cells in the Geniculate Ganglion Following Chorda Tympani Transection in Young and Adult Rats	\$5,000
Robinson	Jacob	Cutucache	AS	BIOL	Delineating Diagnostic and Prognostic Subgroups across Splenic Marginal Zone Lymphoma	\$5,000
Rowen	Douglas	Stergiou	ED	BMCH	Utilizing Functional Near-Infrared Spectroscopy to Examine Hemodynamic Cortical Activity During Locomotion	\$5,000
Sado	Takashi	Mukherjee	ED	BMCH	Comparing Active and Passive Exoskeletons for Improving Gait Adaptation	\$5,000
Scott	Zachary	Rowen	AS	BIOL	Characterization of the Role of PA5189 of Pseudomonas aeruginosa in Resistance to an Antimicrobial Peptide	\$5,000
Shute	Robert	Slivka	ED	H&K	Effects of Environmental Temperature on Exercise Response and Adaptation	\$4,310
Sloan	Kirsten	Bramlett	AS	ENG	The Gender Awakens: The Role of Star Wars in the Construction of Fans Concept of Gender	\$5,000
Song	Jiwon	Park	ED	H&K	Impacts of Mitochondrial-Targeted Antioxidant on Leg Blood Flow and Skeletal Muscle Mitochondrial Function in Peripheral Artery Disease Patients	\$5,000
Sproles	Laramie	Ligon	BA	MKTG/ MGMT	Malevolent Creativity: An Analysis of Far-Left Extremist Online Communiques	\$5,000
Stevenson	Nikolaus	Cutucache	AS	BIOL	Determination of a putative tumor suppressor in the 7q31.1 region responsible for B-cell transformation into aggressive Splenic Marginal Zone Lymphoma/Mature B-cell Lymphoma	\$5,000

GRADUATE RESEARCH AND CREATIVE ACTIVITY (GRACA)

Last	First	Faculty Mentor	College	Dept.	Project Title	Award
Sundberg	Kaitlin	Nelson	AS	HIST	Tourism and Indigenous Performance in the Cheyenne Frontier Days, 1897-1960	\$4,780
Toto	Sara	Wright	CPACS	CJUS	Examining the predictors of sexual victimization among female inmates: PREA considerations Phase II	\$5,000
Vande Hei	Megan	Slivka	ED	H&K	Human Skeletal Muscle Responses to Temperature: Implications in Health and Disease	\$5,000
Windisch	Steven	Ligon	BA	BA	Anchors Away: Interactionist Pathways Toward Homegrown Violent Extremism	\$5,000
Xie	Ming	Eikenberry	CPACS	PA	Analysis of social media use by small human service nonprofit organizations	\$5,000
Young	Keaton	Zuniga Ulloa	ED	BMCH	3D Printed Prostheses Effects on Standing Posture in Unilateral Upper Limb Deficient Children	\$5,000
Total GRACA Awards:						\$328,088



A demonstration at the 2018 Student Research and Creative Activity Fair

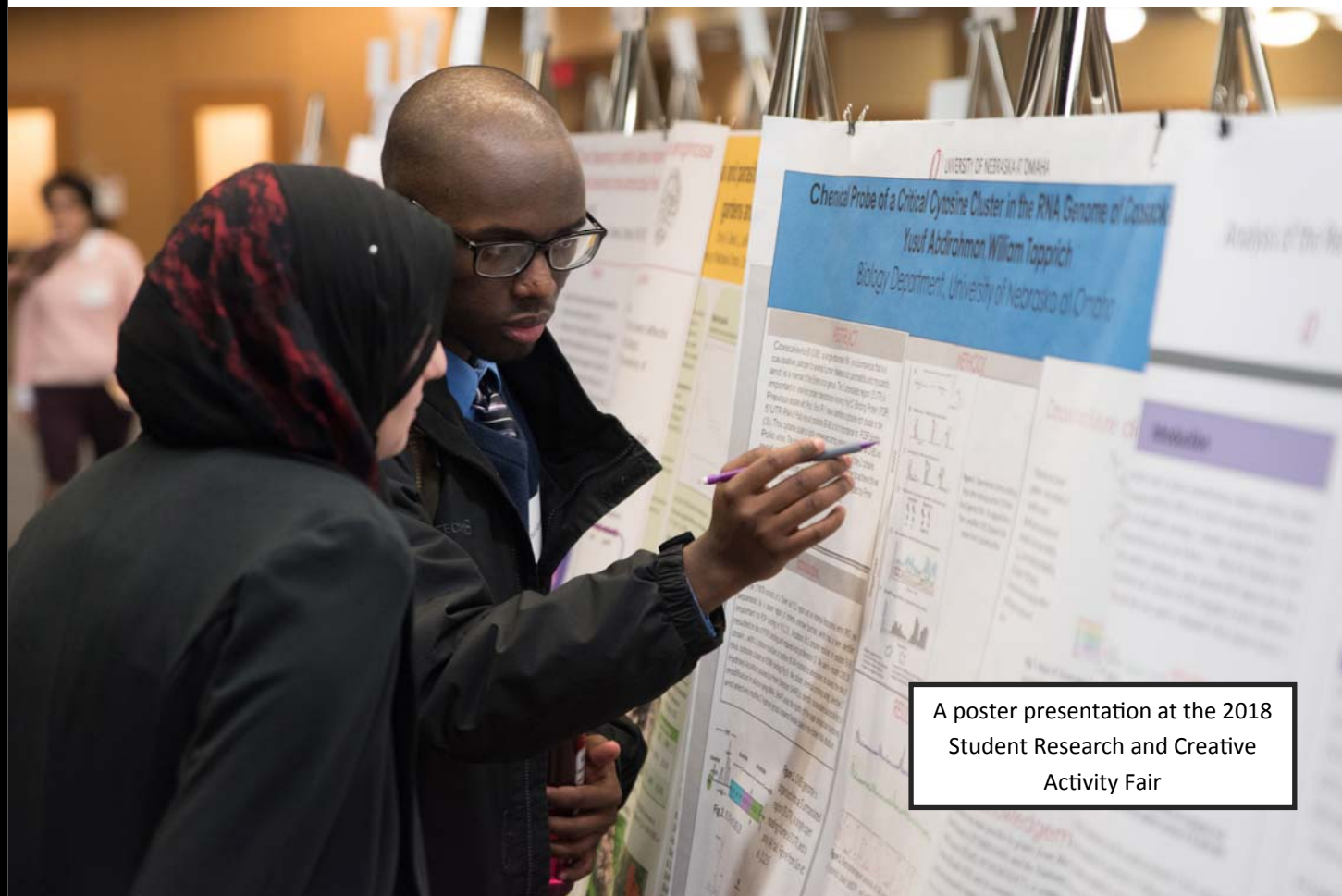
UNIVERSITY COMMITTEE ON RESEARCH AND CREATIVE ACTIVITY (UCRCA) Student Awards

The purpose of the UCRCA is to expand the capacity for research and creative activity at UNO. UCRCA supports all areas, types, and disciplines of research and creative activity by pre- and post- tenured faculty and graduate and undergraduate students.

Last	First	Faculty Mentor	College	Dept.	Project Title	Award
Ahn	Nayun	Rosen	ED	H&K	Differences in static and dynamic balance between adolescents with chronic ankle instability and healthy individuals.	\$500
Burson	Courtney	Bragg	AS	BIOL	Do bees prefer a homogeneously or heterogeneously managed landscape?	\$500
Case	Kyle	Perkinson	CFAM	MUS	Partners in Performance Presentation	\$500
Coate	John	Perkinson	CFAM	MUS	Partners in Performance Presentation	\$500
Comstock	Melissa	VanNordstrand	CFAM	MUS	UCRCA Application for Travel to National Opera Association Convention	\$500
Comstock	Gina	VanNordstrand	CFAM	MUS	UCRCA Application for Travel to National Opera Association Convention	\$500
Cuthbert	Rebecca	Slivka	ED	H&H	Human Skeletal Muscle Response to Exercise in Differing Environmental Temperatures	\$500
Fosler	Kaitlin	Allen	AS	PSYCH	Recovery Theory Applied to Employee Volunteering: Outcomes in the Workplace	\$500
Irlmeier	Jordyn	Perkinson	CFAM	MUS	Partners in Performance Presentation	\$500
Jaapar	Aaron	Perkinson	CFAM	MUS	Partners in Performance	\$500
Maya	Yedid	Perkinson	CFAM	MUS	Partners in Performance Presentation	\$500
McGrath	Scott	Bastola	IST	SI2	Benchmarking genetic testing interpretation and self efficacy of medical professionals	\$500
Nelson	Quinn	Tapprich	AS	BIOL	Probing RNA Structure in the 5' Untranslated Region of Coxsackievirus B3 Genomic RNA	\$500
Poynor	Brittany	Dickson	AS	BIOL	Effects of rangeland management on milkweed grazing and monarch conservation	\$500
Riquier	Andrew	Sollars	AS	PSYCH	Assessing Astrocytes in the Developing and Injured Rat Brain	\$500
Robinson	Spencer	Hall	IST	SI2	Combining Agile Software Development and Service-learning: A Case Study in Experiential IS Education	\$500

UNIVERSITY COMMITTEE ON RESEARCH AND CREATIVE ACTIVITY (UCRCA) Student Awards

Last	First	Faculty Mentor	College	Dept.	Project Title	Award
Shen	Da	Lierler	IST	CS	Proposal of Presenting the CMODELS (DIFF) Software System at the 34th International Conference on Logic Programming (ICLP 2018)	\$500
Shen	Da	Lierler	IST	CS	Proposal of Presenting the EZSMT+ Software System at NASSLLI 2018 Summer School	\$500
Smith	Sara	Tapprich	AS	BIOL	Sara Smith ASM 2017	\$500
Stone	Andrew	Wuebben	CPACS	GDRCH	CCCC Travel Funds	\$339
Ybay	Henamari	Myers	ED	BMCH	Measurement of Muscle Oxygen Saturation of the Gastrocnemius in Healthy Controls	\$500
Total Student UCRCA Awards:						\$10,339



A poster presentation at the 2018 Student Research and Creative Activity Fair

2017-2018 FACULTY MENTORS

FUSE grants support faculty-mentored undergraduate student research and creative activity.

GRACA grants support faculty-mentored graduate student research and creative activity.

The purpose of the UCRCA is to expand the capacity for research and creative activity at UNO. UCRCA supports all areas, types, and disciplines of research and creative activity by pre- and post- tenured faculty and graduate and undergraduate students.

A special thank you to the following faculty mentors.

Hesham Ali	Jody Keisner	Dustin Slivka
Joseph Allen	P. Roxanne Kellar	Suzanne Sollars
Gaylene Armstrong	Brian Knarr	Douglas Stack
Azad Azadmanesh	Yuliya Lierler	Nicholas Stergiou
Jeremy Baguyos	Ginamarie Ligon	Rosemary Strasser
Dhundy Bastola	Guoqing Lu	Kota Takahashi
Janelle Beadle	Harmon Maher	William Tapprich
Julie Boron	Philippe Malcolm	Shelby VanNordstrand
Bruce Chase	Vivien Marmelat	David Volkman
Margarette Christensen	John McCarty	Laura Walls
Kathryn Cooper	William Melanson	James Wilson
Christine Cutucache	Mukul Mukherjee	Ryan Wong
Paul Davis	Sara Myers	Emily Wright
Ashlee Dere	Elaine Marie Nelson	Daniel Wuebben
Shari DeVeney	Justin Nix	Jenna Yentes
Timothy Dickson	Sachin Pawaskar	Jack Zerbe
Carol Ebdon	Mary Perkinson	Jorge Zuniga Ulloa
Angela Eikenberry	Iulia Podariu	
Jeff French	Patrice Proulx	
Matt Germonprez	Jeanne Reames	
Margeret Hall	Roni Reiter-Palmon	
Kath Henebry	Amy Rodie	
Bryce Hoflund	Adam Rosen	
Nathaniel Hunt	Carey Ryan	
Jay Irwin	Seth Shafer	



Dr. Bastola and a student use the Bioinformatics food computer

OFFICE OF RESEARCH & CREATIVE ACTIVITY

INTERNAL FUNDING OPPORTUNITIES AND SUMMARY

The University of Nebraska at Omaha shall not discriminate based upon age, race, ethnicity, color, national origin, gender-identity, sex, pregnancy, disability, sexual orientation, genetic information, veteran's status, marital status, religion, or political affiliation.

Contact Us:
 Phone: 402.554.2286
 Email: unoorca@unomaha.edu

University Committee on Research and Creative Activity (UCRCA) *Deadlines for full faculty proposals are 11/1/18 and 2/1/19. Faculty and student mini grant deadline is the first working day of each month October 2018-March 2019*

The purpose of the UCRCA is to expand the capacity for research and creative activity at UNO. UCRCA supports all areas, types and disciplines of research and creative activity by pre- and post- tenured faculty and graduate and undergraduate students.

The award strives to recognize and honor preeminent achievement in research or creative activity by faculty members of UNO.

Additional information and guidelines at unomaha.edu/ORCA

Fund for Undergraduate Scholarly Experiences (FUSE)

FUSE grants support faculty-mentored, undergraduate student research and creative activity. Grants of up to \$2,500 per student are available to currently enrolled UNO undergraduate students. Additional information and guidelines at unomaha.edu/ORCA

Graduate Research and Creative Activity (GRACA)

GRACA grants support faculty-mentored, graduate student research and creative activity. Grants of up to \$5,000 per student are available to currently enrolled UNO graduate students. Additional information and guidelines at unomaha.edu/ORCA



2017 - 2018 Internal Funding Program Totals

PROGRAM	TOTAL	Number of Awards
UCRCA Faculty	\$76,450	17
UCRCA Student	\$10,339	21
FUSE Student	\$94,527	40
FUSE Faculty Mentor	\$18,000	29
GRACA Student	\$328,088	66
Grand Total	\$527,404	173