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**Internal Funding Newsletters** 

Office of Research and Creative Activity (ORCA)

2024

### Internal Funding Newsletter, Academic Year 2023-2024

**UNO Office of Research and Creative Activity** 

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## OFFICE OF RESEARCH AND CREATIVE ACTIVITY



## INTERNAL FUNDING BULLETIN

2023-2024

**Faculty and Student Research and Creative Activity** 



## DEAR COLLEAGUES AND FRIENDS,

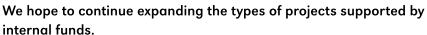
The University of Nebraska at Omaha is committed to providing students and faculty unique, hands-on opportunities, internships, service learning, applied research, and other collaborative activities that enhance time in and out of the classroom. The 2023-2024 Academic Year saw many exciting opportunities for us to invest into even more programs promoting research and creative activity. This year's programs provided over \$800,000, more than double the funding in 2022-2023, for student and faculty projects.

This year's projects reflect the broad range of scholarly interests of the UNO community, including improving the measurement of sex trafficking victimization among a national sample of adults, the relationship between physical activity and screen time among Nebraska preschoolers, the effects of chronic CBD exposure in juvenile zebrafish, the role of women in developing the West, long-term climate impact on groundwater in Nebraska, and the implications of preserving and adapting religion and culture in the modern era.

This past year, the Fund for Undergraduate Scholarly Experiences (FUSE) and Graduate Research and Creative Activity (GRACA) programs funded 142 students to complete faculty mentored research and creative activity projects. We look forward to seeing the results of these projects showcased at the 17th Annual Student Research and Creative Activity Fair on April 11, 2025, and we invite you to save the date.

Faculty internal funding opportunities through our office provide support to develop new contacts and cooperate with academic peers locally, nationally, and internally. The products of faculty research and creative activity are used to address real-world issues and are presented in peer-reviewed literature and around the world at meetings, conferences, and performances. ORCA programs give UNO faculty the opportunity to attract resources from outside the university to make scholarly activities sustainable over the long term.

Assistant Vice Chancellor Kristin Girten has continued to support our internal funding programs by promoting the programs and working with faculty and students to increase participation across UNO's broad disciplines.



Finally, we are excited to introduce the UNO Research and Creative Activity High School Internship Program in the coming academic year. This program funds high school interns to work on faculty members' research and/or creative endeavors and rewards faculty for the mentoring they provide their interns.

We look forward to working with you over the next year as you explore your interests and contribute your talents to UNO.

Best Regards,

Dr. Sara Myers

Associate Vice Chancellor for Research and Creative Activity

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## **FACULTY UCRCA**

The purpose of the University Committee on Research and Creative Activity (UCRCA) is to expand the capacity for research and creative activity at UNO. The UCRCA supports all areas, types, and disciplines of research and activity by pre- and post-tenure faculty at UNO. The committee places special emphasis on seed grant funding that potentially leads to external funding and on grants to new faculty to help their programs of research/creative activity.

PI Last	PI First	College	Dept	Title	Awarded
Anderson	Frances	CEHHS	TED	Mathematics Capital in Mathematics Education: Continued Studies to Analyze Mathematics Capital Longitudinally	\$10,000
Carmody	Teresa	CFAM	SOA	Today Must Be Sunday	\$2,000
Eikenberry	Angela	CPACS	РА	Unveiling the Origins and Context of U.S. Perpetual Charitable Foundations Wealth	\$10,000
Guo	Lei	CFAM	СОММ	COMM Journalists in Exile: A Study of the Impact of Emotional Experience Among Afghan Reporters in Pakistan	
Johanningsmeier	Charles	CAS	ENGL	Exporting American Literature via Leipzig, Germany: The Tauchnitz Edition, 1841-1943	\$5,000
Kulig	Teresa	CPACS	CJUS	Improving the Measurement of Sex Trafficking Victimization among a National Sample of Adults	\$10,000
Mangalam	Madhur	CEHHS	ВМСН	Harnessing Non-Gaussian Patterns in HRV: Precision Forecasting of Cardiovascular Diseases	\$10,000
Robbins	Travis	CAS	BIOL	Climate change and the evolutionary potential of peripheral populations	\$9,986
Schenkelberg	Michaela	CEHHS	НК	Physical Activity and Nutrition Behaviors of Young Children with Down Syndrome: A Pilot and Feasibility Study	\$2,000
Wilcoxen	Christina	CEHHS	TED	The Beginning Teacher: Effective Aspects of Induction	\$9,840
Zhu	Mia	CAS	PSYCH	A Dynamic Exploration of Employee Recovery Processes: Influences on Employee Well-being and Job Performance	\$9,800

Total Awards: \$87,308

## FACULTY AWARD WINNER

### Dr. Mark Gilbert, School of the Arts

### 2023 Award for Distinguished Research or Creative Activity

The Award for Distinguished Research or Creative Activity (ADROCA) recognizes and honors preeminent achievement in research or creative activity by full-time members of the Graduate Faculty at the University of Nebraska at Omaha, whose work is of sufficient originality and distinction to merit attention at the national level, or beyond. ADROCA recipients foster and enhance the quality of research and creative activity at the University while reaffirming the values of discovery, innovation, and fulfillment in scholarship and the arts.

Dr. Mark Gilbert is a highly accomplished artist, teacher, and researcher whose work has redefined the relationship between art and medicine. After graduating from the Glasgow School of Art in 1991, he embarked on a career that would blend his artistic talents with medical and healthcare contexts. With a focus on art-based research, Gilbert's interdisciplinary approach has shed new light on the patient and caregiver experience of illness, recovery, and care. His extensive research endeavors have explored the profound impact of portraiture as a means of communication, providing unique insights into healthcare contexts. Notably, he worked on groundbreaking projects such as Saving Faces at The Royal London Hospital and Portraits of Care at the University of Nebraska Medical Center (UNMC). Through his dedication and innovative methodologies, Gilbert has become a leading figure in the field, inspiring critical conversations and transforming our understanding of the intersection of art and medicine.

The impact of Gilbert's research extends far beyond the confines of academia. His artworks and research have been widely exhibited across Europe and the United States, captivating audiences with their thought-provoking narratives. Through his diverse range of sitters, Gilbert highlights the shared humanity of individuals from different cultural and socioeconomic backgrounds. By documenting and portraying their stories, he advocates for diversity, equity, and inclusion in healthcare. Gilbert's work has garnered extensive media coverage, raising awareness about the vital role of art in healthcare and inspiring other researchers and artists to explore the intersection of art and medicine.

Dr. Mark Gilbert's transformative research at the intersection of art and medicine has revolutionized our understanding of illness, recovery, and care. Through his pioneering use of portraiture and innovative research methodologies, he has provided a unique lens through which to examine the patient and caregiver experience. Gilbert's dedication to interdisciplinary collaboration, his commitment to diversity and inclusivity, and his ability to engage the public have solidified his position as a leading figure in the field. As society increasingly recognizes the profound impact of the arts on healthcare, Gilbert's research will continue to shape conversations, inspire new perspectives, and foster empathy and understanding in the medical community and beyond. (Source: UNO Academic Affairs)



## STUDENT CONFERENCE TRAVEL FUND

The Student Conference Travel Fund (formerly "Student UCRCA") provides support to undergraduate and graduate students to present their work at conferences or meetings.

Last	First	Faculty Mentor	College	Dept	Title	Award
Aderonmu	Joseph	Curtze	CEHHS	вмсн	Application for the Student Travel Conference Fund to Attend the American Society of Biomechanics Conference as a Participant and Research Poster Presenter	\$500
Akbar Ahmadi	Ali	Desyatova	CEHHS	ВМСН	EFFECT OF TWIST ON COMPLEX DEFORMATIONS OF FEMOROPOPLITEAL ARTERY IN A FINITE ELEMENT STUDY	\$500
Ali	Alvi	Richards	CPACS	CJUS	Examining the Impact of Training, Knowledge of Resources, and Campus Climate on Reporting Sexual Misconduct Among College Students	\$500
Ampofo	Solomon	Nelson	CAS	GEOG/ GEOL	Using Geospatial Techniques to Assess the Relationship Between Residential Segregation and Mental Healthcare Accessibility in Urban Omaha, Nebraska	\$500
Arispe	Christina	Weaver	CAS	PSYCH	How to Successfully Implement Practical Functional Analyses in School Settings	\$500
Barfi	Mahsa	Mangalam	CEHHS	ВМСН	Healthy aging accentuates the collective dynamics of postural control	\$500
Benson- Goldsmith	Michaela	Richards	CPACS	CJUS	OPD-UNO Collaboration for the Prevention and Intervention of Human Trafficking against Children in Omaha	\$500
Branscum	Caralin	Richards	CPACS	CJUS	An Updated Analysis of Sex-Based Harassment in the United States K-12 Schools: Rates and Predictors of Allegations, Student Reporting, and Student Discipline	\$500

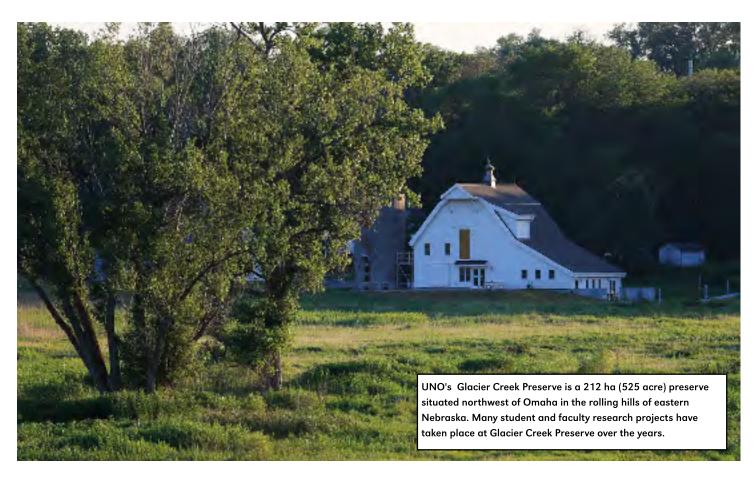
Last	First	Faculty Mentor	College	Dept	Title	Award
Brennemann	Sheldon	Heckler	CPACS	PA	Exploring Emotional Labor in School Shooter Drills: A Phenomenological Study of Public Educators	\$500
Bussey	Trey	Nix	CPACS	CJUS	Development of a policing-specific emotion recognition test	\$500
Crawford	Amy	Price	CAS	ENGL	ORCA Comics Arts Conference Funding Proposal	\$500
Deligiannis	Theodoros	Mangalam	CEHHS	ВМСН	Stride Interval Correlations Degrade with Age	\$500
Deman	Alex	Kelly-Vance	CAS	PSYCH	Cultivating a Compassionate School Climate with Secret Kindness Agents Program	\$500
Dunlap	Brenna	Huff	CPACS	CJUS	Repairing the harm caused by arrest: A mixed-methods evaluation of a restorative justice diversion program	\$500
Dunlap	Brenna	Huff	CPACS	CJUS	2024 International Summer School for Policing Scholars (ISSPS)	\$500
Engsberg	Chris	Mukherjee	CEHHS	вмсн	SCTF IEEE EMBS Gait Kinematic Dependent Plantar Stimulation	\$500
Gannavaram	Pranathi	Kim	CEHHS	COUNSL	Student Conference Travel Funding Proposal	\$500
Ghimire	Kalyan	Brusky	CAS	МАТН	Funding For Mathfest Travel	\$500
Grunkemeyer	Alli	Likens	CEHHS	вмсн	Heaviness Perception of Older Adults	\$500
Gwaltney	Holton	Kingston	CEHHS	вмсн	Hand Loading and Lower Limb Kinematics During Simulated Assisted Gait Training: Proof of Concept	\$347
Haan	Dimitri	Knarr	CEHHS	вмсн	Determining the Effect of Glute Activation on Lower Body Biomechanics in Baseball Pitching	\$500
Haghighatnejad	Mehrnoush	Likens	CEHHS	вмсн	JOINT COORDINATION PREDICTS STRIDE VARIABILITY IN HUMAN WALKING	\$500
Haussmann	Ben	Robbins	CAS	BIOL	Thermal adaptions in embryonic metabolic rates and developmental times in a widespread lizard, Sceloporus consobrinus	\$500
Hayes	Abby	Hamilton	CPACS	CJUS	Examining Police Perceptions of Community and De-escalation Training: A Mixed-Methods Approach	\$500

Last	First	Faculty Mentor	College	Dept	Title	Award
Hermann	Sarah	Weaver	CAS	PSYCH	Conducting Instruction-Based Concurrent Operant Assessments to Increase Engagement	\$500
Japp	Payge	Reiter-Palmon	CAS	PSYCH	New Insights into the Decisions Creators and Evaluators Make During the Creative Process	\$500
Jensen	Cameron	Knarr	CEHHS	ВМСН	Energy Generation and Absorption Across Joints in the Driver Swings of Female Golfers	\$500
Jones	Cecily	Thompson	CFAM	СОММ	The Illusion of Queer Connections: Queer Dating Apps and the Rhetorical Productions of Boundaries and Barriers	\$500
Kalaitzi Manifrenti	Maria Eleni	Likens	CEHHS	вмсн	THE TWO-FREQUENCY RESONANCE MAP PREDICTS MULTIFREQUENCY COORDINATION IN DYADS	\$500
Kang	Jiho	Burcal	CEHHS	НК	Deficits in Time-to-boundary Measures during Dynamic Task with Chronic Ankle Instability	\$500
Kim	Seung Kyeom	Likens	CEHHS	вмсн	Distilling Laws of Human Gait Kinematics	\$500
Lacey	Kayla	Kramer	CAS	PSYCH	Whats in a Name? That Which We Call a Team by Any Other Name Would Smell Just as Sweet	\$500
Lee	Michael	Maher	CPACS	PA	Building Community Resilience and Equity: A Case Study on the Importance of Federal Transit Grants for Title VI Programs in Nebraska.	\$500
Mace	Stephanie	Kingston	CEHHS	вмсн	The Effect of Dynamic Treadmill Walking on Center of Mass Displacement: A Feasibility Study for A Novel Approach	\$500
McVay	Sheri	Santo	CAS	PSYCH	The Interrelations Between Peer Help and Parental Support: Explaining Poor Mental Health Among Bullied West African Adolescents	\$500
Miller	Nate	Pickering	CFAM	СОММ	Online Harassment and Discrimination of Women in Sports and Sports Broadcasting: A Content Analysis of Twitter Comments	\$500
Mingo	Maddie	Knarr	CEHHS	вмсн	Comparison of Reliability between Barefoot and Shod Conditions for a Novel Force Control Task	\$500
Mishra	Anoop	Khazanchi	IST	IST	Assessing Perceived Fairness in Machine Learning (ML) Process: A Conceptual Framework	\$500
Mun	Seongwoo	Hunt	CEHHS	вмсн	ADAPTATION TO THE CONSTANTLY REPEATED MEDIOLATERAL FOOT PLACEMENT PERTURBATIONS	\$500

Last	Last First Faculty College Dept Title  Mentor		Title	Award		
Razavi	Hiva	Malcolm	СЕННЅ	вмсн	Reducing soleus activity using a passive hip exosuit with flexion and extension springs in patients with Peripheral Artery Disease and healthy	\$500
Razian	Sayed Ahmadreza	Kamenskiy	СЕННЅ	вмсн	Conference SB3C Oral Presentation: Differential Effects Of Hypertension On The Morphological, Mechanical, And Physiologic Characteristics Of Male And Female Human Femoropopliteal Arteries	\$500
Salamifar	Seyedeh Zahra	Myers	CEHHS	ВМСН	Assistive shoes can improve the vertical ground reaction forces in patients with peripheral artery disease.	\$500
Schlattmann	Brian	Mangalam	СЕННЅ	ВМСН	Spatial Variability of Fractal Temporal Correlations Supports Center of Mass and Center of Pressure Coupling in Healthy Young and Old Adults	\$500
Schmidt	Brooklynn	Wong	CAS	BIOL	Investigating effects of n-acetylcysteine amide on stress in danio rerio through the glutamate neurotransmitter pathway	\$500
Shahbad	Ramin	Desyatova	СЕННЅ	вмсн	Is Glycosaminoglycan Accumulation in Aortic Media Associated with Higher Susceptibility to Aortic Dissection? Insights from Peel Test	\$500
Shahbad	Ramin	Desyatova	CEHHS	ВМСН	IMPACT OF ELASTIN FRAGMENTATION ON THE MECHANICAL DISSECTION	\$500
Shakerian	Narges	Likens	CEHHS	вмсн	Age Moderates the Relationship between Body Mass Index and Gait Variability	\$500
Shin	Sangwon	Malcolm	CEHHS	вмсн	Exploring the Feasibility of Measuring Walking Symmetry at Home from Thigh Angular Acceleration	\$500
Shubert	Bailey	Barone	CAS	MDHUM	Creating Space Conference	\$500
Sullivan	Brittany	Kelly-Vance	CAS	PSYCH	Service Learning to Benefit Graduate Students and Meet Community Needs	\$500
Swanberg	Kaitlyn	Kulig	CPACS	CJUS	Inceldom: A Qualitative Analysis of Incel Discussion Boards	\$500
Tetteh	Stacey	Heckler	CPACS	PA	Sacred Suppression: The impact of conservative religious institutions on democratic pluralism and equity in public	\$500
Thelagathoti	Rama Krishna	Ali	IST	IST	Mobility-Based Community Analysis for Early Detection of Complex Psychiatric Disorders	\$500
Torres-Rivera	Valeria	Kulig	CPACS	CJUS	Online Dangers: Explaining Cyber Abuse Perpetration and Intimate Partner Violence Via Social Interactionist Theory	\$500

Last	First	Faculty Mentor	College	Dept	Title	Award
Ursino	John	Hamilton	CPACS	CJUS	Impacts on Inmate Flow and Prison Populations	\$500
Wigley	Evan	Li	CAS	BIOL	Investigating Bat Foraging Activity Differences Between Restored Grasslands and Adjacent Agricultural Lands With Implications on Ecosystem Services	
Wong	Jonathan	Benenson	CPACS	PA	Policy Creation for Racial Equity in State Government: The Case Study of Vermont	\$500
Wong	Jonathan	Benenson	CPACS	PA	Best Practices for Whom? A Critical Analysis on Racial Equity and Board Governance Principles of Nonprofit Sector Membership Organizations	\$500
Zamani	Elham	Jadidi	CEHHS	вмсн	Breaks in Longitudinal Elastic Fibers of Human Femoropopliteal Arteries	\$500
Zolfaghari Sichani	Ali	Jadidi	CEHHS	ВМСН	Effects of the Loading Rate on the Mechanical Behavior of Proximal Superficial Femoral Artery	\$500

Total SCTF Awards: \$31,347



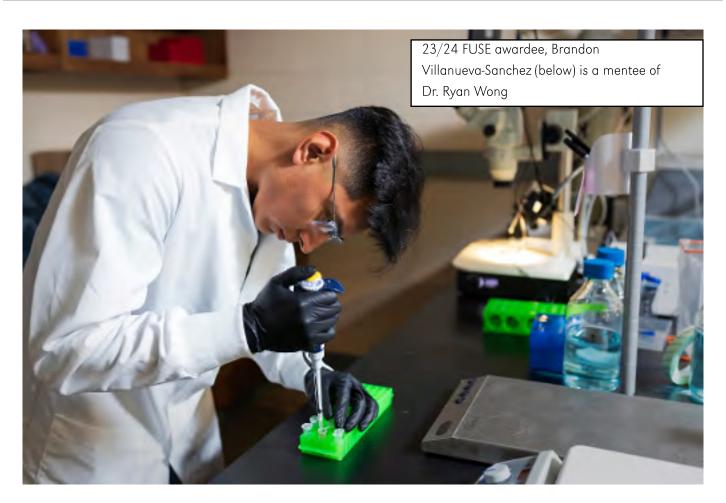
### **WORK-STUDY STUDENT RESEARCH AND CREATIVE ACTIVITY PROGRAM AWARDS**

By leveraging Federal Work-Study funds, the Office of Research and Creative Activity, has developed the UNO Work-Study Student Research Program aimed to expand student research opportunities. The program funds work-study eligible students to work 10 hours per week on the faculty member's research and/or creative activities.

This program is intended to attract underrepresented individuals to research and creative activities. Creating research positions for work-study eligible students provides students with research experiences, mentorship from a research faculty, and access to professional development activities. Students in the program are expected to complete necessary training to participate in the research, including, but not limited to responsible conduct of research and IRB and/or IACUC training as appropriate.

All full-time faculty were eligible to apply and each application was reviewed for merit and mentoring plan. Positions were decided based on these criteria and funding availability. ORCA assisted faculty members in posting the student research positions and disseminating to students who qualified for Federal Work Study. Ultimate responsibility for screening, interviewing, and selecting students rested with each awarded faculty member.

Last	First	College	Dept	Title
Wong	Ryan	CAS	BIOL	Mechanisms of Cognition in Zebrafish



## FACULTY TESTIMONIAL: DR. RYAN WONG

Dr. Ryan Wong is an Associate Professor of Biology at UNO. He has mentored multiple undergraduate and graduate students during his time at the University.

In August 2023, I hired two work-study students to assist with research efforts in my laboratory: Cherylynn (Cheryl) Gibson and Tai Prauner. Cheryl is a 1st year student majoring in Neuroscience whereas Tai is a 3rd year student majoring in Molecular and Biomedical Biology. Both students received mentoring, training, experience, and professional development in several areas. Both got experience in science communication through a 15-minute presentation of their own data and research progress in lab meeting.

The training and mentorship experiences described above were in service of putting each student in position to make meaningful contributions to ongoing research projects. Cheryl has played an important role in conducting behavioral trials and collecting data for one of the main experiments in my NSF award. By the end of the Spring 2024 semester, I anticipate that at least 80% of the behavioral testing will be complete and Cheryl will be responsible for about 25% of that effort. Tai was solely responsible for identifying zebrafish that will be used to generate the next generation of zebrafish lines in my lab (e.g., source of fish for upcoming federally funded experiments). In addition, Tai has been independently trying to generate transgenic lines of zebrafish, which would be used in another aim of my NSF award.

In summary, Cheryl and Tai benefited by gaining experience in working in a research laboratory, science communication, critical thinking, and specialized scientific techniques. Both have committed to remain in my lab after their position ends. I have benefited in terms of getting closer to completing main projects of my NSF award and having them serve as role models/mentors for new students.

### FUND FOR UNDERGRADUATE SCHOLARLY EXPERIENCES

The FUSE grant supports faculty-mentored undergraduate student research and creative activity. Grants of up to \$2,500 are available to UNO undergraduate students.

Last	First	Faculty Mentor	College	Dept	Title	Award
Andress	lan	Wilson	CFAM	MUS	Mixing in Surround Sound: A Comparative Study	\$2,450
Bartel	Noah	Schoenbeck	CAS	BIOL	Tissue Culture Analysis of Plant Physiology in Glechoma hederacea	\$2,500
Berryman	Charlie	Denton	CAS	BIOL	Human Natural Killer Cell Killing Function After Inhibition of ADAM-family Sheddase(s)	\$2,500
Burks	Anna	Dinkel	CEHHS	НК	The Relationship Between Physical Activity and Screen time Among Nebraska Preschoolers	\$2,500
Caldwell	Libby	Maleckis	CEHHS	ВМСН	Development of Calcified Artery Model	\$2,500
Carmichael	Camden	Ligon	СВА	ВА	Testing a Behavioral Approach to Extremist Violence Prevention	\$2,000
Dong	Jenny	Dinkel	CEHHS	нк	The Relationship Between Physical Activity and Food Insecurity Among Nebraska Preschoolers	\$2,500
Finn	Lizzie	Santo	CAS	PSYCH	Investigating Resilience and Cybervictimization Among Adolescents	\$2,000
Friesz	Jacob	Dickson	CAS	BIOL	Effects of Aphids and Insect Herbivory on Monarch Butterfly Caterpillars	\$2,500
Gross	Marcus	Huang	CPACS	AVINST	The Financial Sustainability of Pilot Compensation Given the Pilot ShortageA Case Study of Delta Airlines	\$2,000
Gryzen	Josh	Lierler	IST	CS	Evaluating Open-Source Large Language Models on bAbI-Tasks	\$2,000

Last	First	Faculty Mentor	College	Dept	Title	Award
Henry	Jacob	Svechkarev	CAS	СНЕМ	Determining the limits ofdetection and identification of a novel multidimensional fluorescent sensor for pathogenic bacteria	\$2,500
Iro	Yassine Mahamane	Rasmussen	CEHHS	вмсн	Evaluation of an Ischio-sacral Offloading Seat Cushion for Enhanced Comfort and Pressure Relief in Individuals at Risk of Ulceration	\$2,450
Irwin	Luke	Cooper	IST	SI2	Statistical Evaluation of E-PACERR Program	\$2,000
Kirkland	Jonathan	Myers	CEHHS	ВМСН	Improving Walking in Peripheral Artery Disease, Using Specially Designed Assistive Shoes	\$2,500
Li	Jialin	Cortese	CAS	PSYCH	A Parallel Distributed Processing Network of Human Reasoning	\$2,500
Little	Alleta	Cliver	CAS	FLNG	Mannlich, Weiblich, Neutral: A Multidimensional Examination of the Relationship Between Transgender Identity & the German Language	\$2,100
Mark	Tatum	Wilkins	CEHHS	нк	Athletic Trainers Experiences Using Nebraska State Activities	\$2,500
McMullen	Zach	Ayayee	CAS	BIOL	The effects of urbanization on the microbiome of fauna of the Elkhorn River	\$2,500
Miranda	Alex	Svechkarev	CAS	CHEM	Synthesis of Polymers with Antibacterial Properties for Use in Surgical Implant Coatings	\$2,500
Nakamura	Sarah	Cooper	IST	SI2	Assessing Microbiome Dataset Reproducibility: A Comprehensive Analysis	\$2,000
Neihart	Joe	Fallah Tafti	CEHHS	ВМСН	Muscle oxygenation and walking performance in patients with PAD.	\$2,500

Elizabeth Caldwell is currently enrolled in the Biomechanics and Kinesiology Ph.D. program at UNO. Elizabeth received FUSE awards in AY 2022-2023 and AY 2023-2024 under the mentorship of Dr. Jorge Zuniga and Dr. Kaspars Maleckis.

\*Student responses edited for clarity

### **Project Titles**

-Functional Outcomes of Noninvasive Sensory Feedback in Upper Limb Prostheses: A Meta Analysis

-Development of Calcified Artery Model

## What was something surprising you learned during your project?

I was genuinely surprised by how little research has been done on noninvasive sensory feedback for upper limb prosthetics. I was also surprised by all the different methods of assessing the functional benefits of prosthetics.

## What was the most challenging aspect of your project?

The simple lack of research and data on this particular topic made it difficult to make conclusions from the existing data. If I had this project to do again, I would probably not have been so specific in my analysis criteria. It would have been interesting to analyze a wider variety of articles.



# What advice would you give to a new student thinking about participating in faculty mentored research or creative activity?

I know a lot of students who have amazing ideas for projects but find the task of finding a mentor daunting. I actually think that is the easiest part of the project. Most professors genuinely want to see student learn and succeed, so don't be afraid to reach out to professors for mentorship.

## How will you use the results or products of your project, and/or the skills you gained in the future?

Before this project, I had never done a meta-analysis. Not only did I learn how to perform a meta-analysis, but I learned how to research effectively. I also got to learn about topics of interest to me such as different prosthetic feedback methods and phantom mapping along the way. All of these things will help me not only in graduate school but also in my future career in research.

Last	First	Faculty Mentor	College	Dept	Title	Award
Nigro	Mia	Gabriel	CAS	RELG	Visualizing Group Migration: Omaha's Black Settlement from Alabama	\$2,500
Olson	Rozlyn	Ayayee	CAS	BIOL	Elkhorn River microbial community composition	\$2,500
Peterson	Paige	DeVeney	CEHHS	SPED	Preliminary item-level performance on developmental domain subtests with infants at low and high risk for autism	\$2,500
Peterson	Garret	Robbins	CAS	BIOL	Examination of antipredator and neophobic behaviors of three populations of a widespread lizard (Sceloporus consobrinus)	\$2,015
Schmidt	Brooklynn	Wong	CAS	BIOL	Investigating anxiolytic responses of Danio rerio through the role of N-acetylcysteine amide on the glutamatergic neurotransmitter pathway	\$2,500
Thlay Wah	Paw	Stacy	CEHHS	НК	Improving Health Outcomes for the Karen Community: Understanding Perceived Barriers to Exercise	\$2,300
Villanueva- Sanchez	Brandon	Wong	CAS	BIOL	Effects of chronic CBD exposure in juvenile zebrafish (Danio rerio) on their anxiety-related behaviors and brain wide 5-HT1a receptor expression as adults	\$2,000
Yumul	Bryan	Battisti	CAS	HIST	The Marcos Regime and the Philippines during the Cold War	\$800

Total FUSE Student Awards: \$68,615

Total FUSE Mentor Awards: \$12,000

### GRADUATE RESEARCH AND CREATIVE ACTIVITY

The GRACA grant supports faculty-mentored graduate student research and creative activity. Grants of up to \$5,000 are available to UNO graduate students.

Last	First	Faculty Mentor	College	Dept	Title	Award
Abiodun	Mayowa	Clayton	CAS	BIOL	Unraveling the Link Between Diet and Bifidobacteria	\$5,000
Ahmadi	Yasaman	Lather	ENGR (UNL)	ARCENGR	Community and Infrastructure Resilience for Communities at High Risk of Hazardous Natural Disasters in the United States	\$5,000
Aitbayeva	Akbota	Hu	ENGR (UNL)	CVLENGR	3D Printing Concrete with Nanoclay	\$5,000
Akbar	Ali	Desyatova	CEHHS	вмсн	Bench Top Mechanical Evaluation of Novel PAD Stents	\$5,000
Alam	Arafat	Hu	ENGR (UNL)	CVLENGR	Mechanical Performance of Biomimetic Composite Concrete	\$5,000
Ampofo	Solomon	Nelson	CAS	GEOG/ GEOL	Assessing the Relationship Between Residential Segregation and Access to Mental Health Services	\$5,000
Anukege	Cynthia	Kellar	CAS	BIOL	Genetic Diversity and Phylogenetic Relationships Among Accessions of Pediomelum tenuiflorum Using Inter Simple Sequence	\$5,000
Awale	Nishesh	Youn	IST	CS	Hearing Loss, Mobility, and Fall Risk in Aging Agricultural Workers	\$5,000
Bakhtiari	Mohammad	Cheng	CAS	MATH	Optimization of Energy Storage System by Discharging Schedule using Reinforcement Learning	\$5,000
Benda	Angie	Kramer	CAS	PSYCH	Zooming in on Trust Repair in Virtual Teams	\$5,000
Benson- Goldsmith	Michaela	Richards	CPACS	CJUS	Restorative Justice Policies in School Districts: Impacts on the	\$5,000

Last	First	Faculty Mentor	College	Dept	Title	Award
Bommanapally	Vidya	Subramaniam	IST	CS	Quantification of objects through self-supervised learning and activation maps	\$5,000
Botts	Jessica	Geliga	CAS	NATV	A Study of the Environmental History of the American Northern Plains and the Native American Tribes That Inhabited Them	\$5,000
Brennemann	Sheldon	Eikenberry	CPACS	PA	Classroom to Career: Investigating Risk Perceptions of Midwest Preservice Teachers	\$5,000
Brink	Kolby	Likens	CEHHS	вмсн	Modulating Gait Variability to Reduce Metabolic Cost	\$5,000
Bussey	Trey	Nix	CPACS	CJUS	Proximity to Trauma Care and Police Shooting Victim Mortality	\$5,000
Charles	Anaelle	Likens	CEHHS	вмсн	Does mind-wandering predict dual-task cost during overground walking?	\$5,000
Chaudhary	Priyanka	Dinkel	CEHHS	НК	Understanding Beliefs, Benefits, Barriers, and Sources of Information on Pre-pregnancy Physical Activity among Pregnant Women in Nebraska: A Qualitative Study	\$5,000
Chekuri	Srujana	Blaskewicz Boron	CPACS	GERO	The Impact of Caregiving on the Emotional Well-being and Mental Health of Family Caregivers of Aging Adults with Parkinsons Disease: A Comprehensive Review	\$5,000
Choi	Ji Yeon	Rosen	CEHHS	НК	Examining Clinical Factors Contributing to Giving-Way Episodes in Individuals with Chronic Ankle Instability	\$5,000
Corcoran	Jamie	Wong	CAS	BIOL	The role of dopamine in learning differences between personality types in zebrafish	\$5,000

Sheri McVay is pursuing a doctoral degree in developmental psychology at UNO. She was mentored by Dr. Jonathan Santo for her 2022-2023 GRACA award and her 2023-2024 SCTF award.

### **Project Title**

The Interrelations Between Peer Help and Parental Support: Explaining Poor Mental Health Among Bullied West African Adolescents

### **Project Summary**

The extensive impact of peer relationships on development has been well-established. However, cultural variability is often overlooked in the literature. The misconception is that the results of studies conducted in Western cultures are universal and can be generalized. The current study aimed to contribute to increasing global representativeness by using data collected from the World Health Organization's Global School-based Student Health Survey (GSHS).

## What was the most challenging aspect of your project?

Analyzing data was the most challenging part of this study, and I am grateful for my mentor's support during the process.

What advice would you give to a new student thinking about participating in faculty mentored research or creative activity?



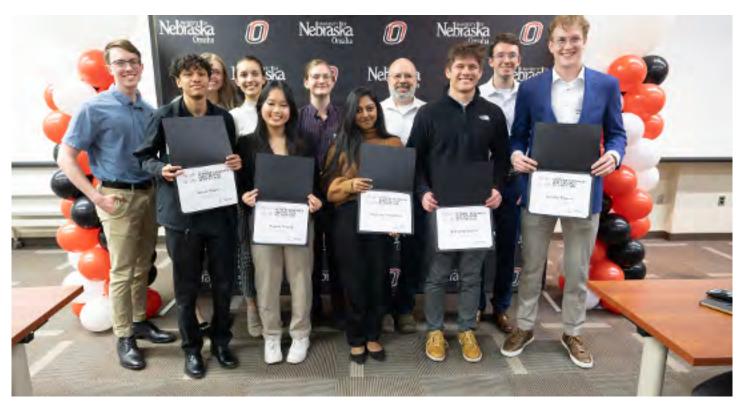
Go for it! Please take advantage of the tremendous opportunities that are available to all the students at UNO. I had the opportunity to present my study at the Society of Research for Adolescents Annual Conference (SRA) in Chicago in April to refine my communication skills as a psychologist. Great experience!

## How will you use the results or products of your project, and/or the skills you gained in the future?

My research will continue to focus on adolescents and the impact of peer victimization on various developmental domains. Additionally, I am grateful for the experiences that I have gained along the way.

I am thankful for my inspirational advisor, Dr. Santo, and all the wonderful faculty at UNO. Also, thank you to everyone who works behind the scenes so the students can shine and represent the inclusive culture of our university. Proud to be a Maverick!.

Last	First	Faculty Mentor	College	Dept	Title	Award
Cromwell	Stephanie	Ayayee	CAS	BIOL	Interplay Of Abiotic Factors On Sorghum (Sorghum bicolor) Growth And Rhizosphere Composition And Function	\$5,000
d'Amato	Alexis	Hunter	CAS	PSYCH	Examining the Mechanisms of Malevolent Creativity Idea Evaluation	\$5,000
Dare	Pamela	Strasser	CAS	PSYCH	Give a Dog a Bone: Does Enrichment Alleviate Boredom in Companion Animals in the Home Environment?	\$5,000
Das Mohapatra	Anshuman	Oh	IST	CS	WANify: Balancing overall WAN bandwidth over parallel heterogeneous real-time channels	\$5,000
Decker	Jake	Burcal	CEHHS	ATHL	A Comparison of Shoulder Kinematics and Jump Landing in Collegiate Volleyball Players	\$5,000
Dhakal	Keeran	Lierler	IST	CS	EZSMTv3.0 Development and Benchmarking	\$5,000
Dunlap	Brenna	Huff	CPACS	CJUS	Officer Involved Fatal and Nonfatal Shootings Across Neighborhoods	\$5,000
Duvall	Kylie	Strasser	CAS	PSYCH	The Influence of Canine Early Life History on Stress-Related Changes in Salivary Cortisol and its Association with Salivary -Amylase	\$5,000
Ekwenye	Angela	Boxell	CAS	HIST	HEROIC WOMEN OF THE WEST: THE ROLE OF WOMEN IN DEVELOPING THE WEST	\$5,000
Engsberg	Chris	Mukherjee	CEHHS	ВМСН	The Effect of Tactile Stimulation on Brain Activity During Walking: The Effect of Walking Speed	\$5,000
Fadeev	Aleksandr	Salkovskiy	СЕННЅ	ВМСН	LIQUID TRANSFER IN ELECTROSPUN NON-WOVEN FABRIC WITH CONTROLLED NANOFIBER ORIENTATION FOR BIOMEDICAL APPLICATIONS	\$5,000



Dr. Denton (back row center) with biology lab students who presented at the 2024 Student Research and Creative Activity Fair, including five awardees.

## FACULTY FEATURE: DR. PAUL W. DENTON

Dr. Paul W. Denton is an Assistant Professor of Biology at UNO. He has mentored multiple FUSE students during his time at the University.

### Why did you agree to mentor a FUSE or GRACA student?

I think it is important for students to think through an experimental plan before starting the work. Writing a proposal is the perfect way to organized thoughts about an experiment.

## What do you think are the most important skills students learn by doing faculty-mentored research or creative activity?

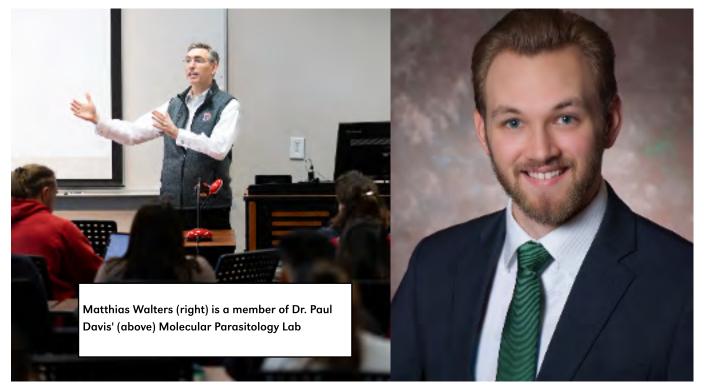
Student doing research learn a tremendous amount. Students learn about themselves and gain self-confidence through performing research. In this process, students also learn to be a good citizen of the laboratory. Importantly, students also learn about the process of conducting research (e.g., budgeting, planning, collecting data, analyzing data, reporting data).

## What advice would you give to a new faculty member thinking about mentoring a student at UNO?

Do it! UNO has wonderful students who are eager to make a difference. Working with students is a highlight of my work.

Last	First	Faculty Mentor	College	Dept	Title	Award
Kalaitzi Manifrenti	Maria Eleni	Likens	CEHHS	вмсн	Incorporating Human Movement Variability in Bimanual Multifrequency Coordination	\$5,000
Kang	Jiho	Burcal	CEHHS	НК	Effects of Dual Task Combined with Visual Interference on Balance in Patients with Chronic Ankle Instability	\$5,000
Kanti Kar	Kanak	Roy	ENGR (UNL)	CVLENGR	Long-term Climate Impact on Groundwater in Nebraska	\$5,000
Kawasaki	Yuzuho	Wilkins	CEHHS	НК	The Relationship Between UCL Stiffness, Humeroulnar Joint Gapping, and Elbow Valgus Torque in College Baseball Pitchers.	\$5,000
Kelley	Mike	Saltamacchia	CAS	HIST	The Tomahawk Buried Underneath the Mississippi: Reacting to the 1825 Treaty of Prairie du Chien	\$5,000
Khadka	Prajin	Oh	IST	CS	Similarity-Aware Task Scheduling in Spark	\$5,000
Kim	Seung Kyeom	Likens	CEHHS	вмсн	Human Movement Variability as a Design Principle for Gait Retraining	\$5,000
Knight	Cody	Reiter- Palmon	CAS	PSYCH	Evaluating Ideas to Common Workplace Problems	\$5,000
Koroyeh	Mobina Masaei	Behboodi	CEHHS	вмсн	Enhancing Sagittal Plane Range of Motion in DE-AFO: A Smart Ankle Exoskeleton for Children with Cerebral Palsy, Powered by Artificial Muscle	\$5,000
Lacey	Kayla	Kramer	CAS	PSYCH	What Can Researchers Learn from Role-Play? Examining Team Processes Through the Lens of TTRPGs	\$5,000
Lehn	Sarah	Battisti	CAS	HIST	THE EAGLES AND THE KAISER: OMAHA CENTRAL HIGH SCHOOL AND WORLD WAR I ANTI-GERMANISM	\$5,000

Last	First	Faculty Mentor	College	Dept	Title	Award
Malisetty	Saiteja	Ali	IST	CS	Advancing Educational Assessment Through Network Models: Insights from an Introductory Computer Science Course	\$5,000
Malisetty	Bhavani	Perez	IST	CS	Clear Choices in a Connected World: Simplifying IoT Privacy Policies with User-Friendly Al Technology	\$5,000
Matthews	Colina	Kingston	CEHHS	вмсн	The Effect of Walking Environment and Speed on Muscle Co-contraction in the Lower Limbs of Children with Cerebral Palsy	\$5,000
Meza	Rodrigo	Manning	CAS	BIOL	Food Web Structure and Connectance Between Protected and Impaired Prairie Rivers.	\$5,000
Mingo	Maddie	Knarr	CEHHS	вмсн	Relationship Between Torque Complexity and Force Control Variability	\$5,000
Moelter	Isaac	Kearns	CPACS	CJUS	Online White Nationalist Rhetoric and Incarceration	\$5,000
Mohammadi	Vahid	Kamenskiy	CEHHS	ВМСН	Designing and prototyping a new robotic device for feeding the guide-wire into an artery	\$5,000
Mohammadi	Sahel	Behboodi	CEHHS	ВМСН	Integrating Active Mediolateral Support into DE-AFO: A Comfortable Ankle-Foot Orthosis Powered by Artificial Muscle	\$5,000
Moushi	Owana Marzia	Qian	ENGR (UNL)	CVLENGR	Misbehavior Detections in Vehicular Communication Networks	\$5,000
Murray	Jennifer	Wilson	CAS	BIOL	Population genetic analysis of a novel population of southern flying squirrels (Glaucomys volans) in Lincoln, Nebraska	\$5,000



## ON THE VALUE OF STUDENT RESEARCH AND CREATIVE ACTIVITY

### **Testimonial written by Matthias Walters**

I am fortunate to have been involved with both the FUSE and the GRACA programs. As an undergraduate I was accepted for FUSE grants in physiology and in immunology. It was with these grants that I was able to work on my first research projects to reach publication. I learned how to design an experiment, how to read the literature and to develop methods from it, and how to communicate novel ideas to a diverse audience through poster and PowerPoint presentations. The challenge of analyzing data and effectively presenting to an audience of scientists and non-scientists was something I had not thought about previously, but I was able to overcome this with my mentor. Through these experiences, I discovered that I want to continue my career as a research scientist. I am now halfway through a master's degree at UNO, where I am supported by a GRACA, and I am applying to PhD programs in biomedicine. I feel confident going into a PhD program since I have experience working in labs, writing grants, and presenting at conferences - all made possible by FUSE/GRACA.

It's important to acknowledge that these funding programs not only hone the skills of individual students and assist in their career paths, but also foster a culture of inquiry and innovation within the department and the university as a whole. Academic involvement outside of the classroom feels proximate as a student, largely due to these programs facilitating the process. I encourage students and faculty to engage with FUSE/GRACA, as these programs do an excellent job of preparing students for future academic and professional endeavors.

Last	First	Faculty Mentor	College	Dept	Title	Award
Orynbassarov	Islam	Hu	ENGR (UNL)	CVLENGR	Advancing Carbon-Negative Concrete Solutions for Everyday Construction	\$5,000
Partusch	Luke	Rosen	CEHHS	ATHL	The Effects of a Competitive Athletic Season on Functional Performance Metrics in Collegiate Female Athletes with Patellar Tendinopathy	\$5,000
Pilachai	Aury	Clouther	CFAM	WRWO	Reclaiming Spirituality and Culture:The Implications of Preserving and Adapting Religion and Culture in the Modern Era	\$5,000
Pineda Gutierrez	Ana Laura	Hunt	CEHHS	вмсн	REAL-TIME AUDIO BIOFEEDBACK SYSTEM: A COMPUTERIZED MODEL	\$5,000
Poomulna	Jutharat	Kingston	CEHHS	вмсн	Comparison of lower limb joint kinetics between markerless and marker-based motion capture systems during overground walking in children cerebral palsy (CP).	\$5,000
Poudel	Upahar	Maguire	ENGR (UNL)	ARCENGR	Testing Recycled Plastic Lumber for Flexural Creep and Thermal Characteristics	\$5,000
Rains	Alexia	Mukherjee	CEHHS	вмсн	The effect of exoskeletal devices on locomotor adaptive ability in healthy human subjects	\$5,000
Razian	Sayed Ahmadreza	Kamenskiy	CEHHS	вмсн	Differences in Morphological, Mechanical, and Physiological Characteristics of Human Femoropopliteal Arteries in Men and Women	\$5,000
Ruman Islam	Md	Huang	IST	CS	Application-Specific Adaptive Congestion Control Using Deep Reinforcement Learning	\$5,000

Last	First	Faculty Mentor	College	Dept	Title	Award
Salamifar	Seyedeh Zahra	Myers	CEHHS	ВМСН	Oxygen-guided supervised exercise therapy to improve the cadence and walking distance in patients with peripheral artery disease.	\$5,000
Scobie	Aaron	Price	CAS	ENGL	How to Make it Back Home: A History of Travels to the Deep South	\$5,000
Self	Cara	Burcal	CEHHS	НК	Comparison of Static & Dynamic Blood Flow Restriction Systems on Muscle Strength & Hypertrophy	\$5,000
Seok	Kyeongjun	Rosen	CEHHS	НК	The Relationship Between Ulnar Collateral Ligament Laxity and Muscle Activation of Elbow Musculature in Baseball Pitchers	\$5,000
Shahbad	Ramin	Desyatova	CEHHS	ВМСН	Quantifying the Impact of Stent-Graft Compliance on Aortic Windkessel Effect	\$5,000
Shapouri	Fatemeh	Ward	IST	ISQA	The Effect of Leadership Styles on Business Intelligence System Usage	\$5,000
Shin	Sangwon	Malcolm	CEHHS	ВМСН	Comparison of Walking Training on Overground versus on a Treadmill with an Asymmetric Exosuit	\$5,000
Showkot	Md	Battisti	CAS	HIST	From Advocacy to Action: Senator Kennedy's Impact on Halting U.S. Arms Aid to Pakistan During Bangladesh Liberation War	\$5,000
Shuvo	Sazzad	Subramanian	CFAM	COMM	Exploring female collegiate athletes lived experiences of mental health stigma on social media	\$5,000
Siddiqur Rahman	Abu Bakar	Najjar	IST	ISQA	Time-saving data collection and prediction of optical properties in photonic crystal fiber	\$5,000

Last	First	Faculty Mentor	College	Dept	Title	Award
Sousanabadi Farahani	Hossein	Kim	ENGR (UNL)	CVLENGR	Carbon Sequestration Capacity via the Carbonation Treatment of Recycled Concrete Aggregates (RCA) using Carbon Dioxide	\$5,000
Sraboni	Syeda	Olagoke	CEHHS	НК	iHeard: Health information monitoring and response in Douglas County	\$5,000
Walters	Matthias	Davis	CAS	BIOL	Establishing Potency Assays for the Immunostimulant EP67	\$5,000
Ward	Elle	Allen	СВА	MGMT	Analyzing the Spatio-Temporal Nexus of Labor Trafficking and Terrorism	\$5,000
Weimer	Kollyn	Park	CEHHS	НК	Cardiovascular and Autonomic Responses to Acute Exposure to Mild Hypercapnic Conditions	\$5,000
Wigley	Evan	Li	CAS	BIOL	Investigating Insect Abundance Differences Between Restored Grasslands and Adjacent Agricultural Lands With Implications on Ecosystem Services	\$5,000
Wiles	Tyler	Likens	CEHHS	ВМСН	The Influence of Gait Variability on Human Odometry	\$5,000
Williams	Jania	Myers	CEHHS	вмсн	The Effect of an Ankle Exoskeleton during Walking on Exercise Outcomes	\$5,000
Woelfel	Sarah	Rosen	CEHHS	НК	Relationship of Tissue Quality to Pain and Dysfunction in Patients with and without Patellar Tendinopathy	\$5,000

Last	First	Faculty Mentor	College	Dept	Title	Award
Wolfsohn	Brandon	Robbins	CAS	BIOL	Comparing thermoregulatory behavior and digestive efficiency among latitudinally separated lizard populations (Sceloporus consobrinus)	\$5,000
Wooley	Jessica	Hribljan	CAS	BIOL	Urban Wetland Health Assessment for Conservation Efforts Along The Missouri River	\$5,000
Wray	Merrick	Strasser	CAS	PSYCH	Exploring the Impact of Oxytocin on Canine Stress Responses and Behavior	\$5,000
Zolfaghari Sichani	Ali	Jadidi	CEHHS	ВМСН	Integrated Study of Renal Artery Biomechanics	\$5,000

Total GRACA Student Awards: \$554,800

Total GRACA Mentor Awards: \$47,500





Save the Date!
The 17th Annual Student Research and
Creative Activity Fair will be held on
Friday, April 11, 2025

## 2023-2024 FACULTY MENTORS

A special "thank you" to all of the UNO faculty who mentored FUSE, GRACA, and SCTF students this past academic year.

Hesham Ali	Carolin Curtze	Nathaniel Hunt
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Matt Allen Paul H. Davis Samuel Hunter

Paul Ayayee Paul Denton Majid Jadidi

Timi Barone Anastasia Desyatova Alexey Kamenskiy

Danielle Battisti Shari DeVeney Erin Kearns

Ahad Behboodi Timothy Dickson Roxi Kellar

Jodi Benenson Danae Dinkel Lisa Kelly-Vance

Jill Blankenship Angela Eikenberry Deepak Khazanchi

Julie Blaskewicz Boron Farahnaz Fallah Tafti Isak Kim

Mark Boxell Jeannette Gabriel Seunghee Kim

Becky Brusky Susana Geliga David Kingston

Christopher Burcal Zachary Hamilton Brian Knarr

Mark Celinscak Nuri Heckler William Kramer

Xiaoyue Zoe Cheng Deanna House Teresa Kulig

Jonathan Clayton John Hribljan Jennifer Lather

Gwyneth Cliver Jiong Hu Han Li

Kevin Clouther Pei-Chi Huang Yuliya Lierler

Kate Cooper Victor Huang Gina Ligon

Michael Cortese Jessie Huff Agron Likens

## 2023-2024 FACULTY MENTORS

A special "thank you" to all of the UNO faculty who mentored FUSE, GRACA, and SCTF students this past academic year.

Marc Maguire Corbin Rasmussen Adam Weaver

Craig Maher Roni Reiter-Palmon Sam Wilkins

Philippe Malcolm Tara Richards James Wilson

Kaspars Maleckis Travis Robbins Thomas Wilson

Madhur Mangalam Adam Rosen Ryan Wong

David Manning Tirthankar Roy Jong-Hoon Youn

Mukul Mukherjee Yury Salkovskiy Mia Zhu

Sara Myers Martina Saltamacchia

Lotfollah Najjar Jonathan Santo

Sarah Nelson Mark Schoenbeck

Justin Nix Ada-Rhodes Short

Kwangsung Oh Richard Stacy

Ayo Olagoke Rose Strasser

Song-Young Park Mahadevan Subramaniam

Alfredo Perez Roma Subramanian

Barb Pickering Denis Svechkarev

Erin Pleggenkuhle-Miles Herb Thompson

John Price Christine Toh

Yi Qian Kerry Ward

## 24/25 INTERNAL FUNDING OPPORTUNITIES

### **University Committee on Research and Creative Activity (UCRCA)**

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.

### 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. The FUSE application opens in September 2024 and applications will be reviewed on a rolling basis until funding runs out.

### **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. The GRACA application opens in September 2024 and applications will be reviewed on a rolling basis until funding runs out.

### **Student Conference Travel Fund (SCTF)**

SCTF grants provide support for undergraduate and graduate students to present their work at professional conferences or meetings. Grants of up to \$500 per student are available to currently enrolled UNO students and students may be awarded twice each academic year. SCTF applications are due the first working day of each month, September 2, 2024 through June 2, 2025.

#### **UNO Work-Study Student Research Program**

The UNO Work-Study Research and Creative Activity Program aims to expand student opportunities in research and creative activity by providing incentives to faculty who hire work-study eligible students to assist in and/or contribute to their research and/or creative endeavors. The program rewards faculty for the mentoring they provide to their work-study student employees as these students support the faculty members' research and/or creative activity. All full-time UNO faculty are eligible to apply. Applications are accepted on a rolling basis, July-March.

#### New for 2024-2025!

### **UNO Research and Creative Activity High School Internship Program**

This program funds high school interns to work on faculty members' research and/or creative endeavors and rewards faculty for the mentoring they provide their interns.

Students hired by faculty who participate in the program must be at least 16 years old at the time of hire. Both faculty and students must comply with UNO youth safety policy and procedures. In addition, interns are expected to complete necessary training to participate in the research and/or creative activity, including, but not limited to, responsible conduct of research, IRB and/or IACUC training as appropriate.

All full-time UNO faculty are eligible to apply and applications are accepted on a rolling basis.

Additional information and guidelines for all programs can be found at unomaha.edu/ORCA

## 2023-2024 INTERNAL FUNDING SUMMARY

PROGRAM	TOTAL	Number of Awards
UCRCA Faculty	\$87,308	11
SCTF Student	\$31,347	63
FUSE Student	\$68,615	30
FUSE and GRACA Faculty Mentor	\$59,500	86
GRACA Student	\$554,800	112
Grand Total	\$801,570	302



### Office of Research and Creative Activity

