

2023

Internal Funding Newsletter, Academic Year 2022-2023

UNO Office of Research and Creative Activity

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Office of Research and Creative Activity

Internal Funding Newsletter

Academic Year 2022-2023

Dear Colleagues and Friends,

The University of Nebraska at Omaha is committed to exceptional education, groundbreaking research, and the life-long success of our students and alumni. The 2022-2023 Academic Year brought many exciting opportunities for us to invest in a multitude of funding programs that promote research and creative activity. This year's programs provided over \$350,000 for student and faculty projects that reflect the broad range of scholarly interests of the UNO community, including a women's suffrage graphic novel and traveling exhibition, development of a robotics-assisted drug discovery platform, workplace problem solving, and the effects of bison and cattle grazing on milkweeds and Monarch butterflies.

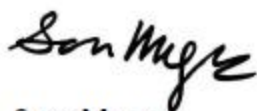


In the 2022-2023 Academic Year, the Fund for Undergraduate Scholarly Experiences (FUSE) and Graduate Research and Creative Activity (GRACA) programs funded 61 students to complete faculty mentored research and creative activity projects. We look forward to seeing the results of these projects showcased at the 16th Annual Student Research and Creative Activity Fair on March 22, 2024, 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 Kirsten Girtten contributed to our internal funding programs by promoting the programs and working with faculty and students to increase participation across UNO's broad disciplines. We hope to continue expanding the types of projects supported by internal funds.

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

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 potentially leading to external funding and on grants to new faculty to help them establish programs of research/creative activity.

PI Last	PI First	College	Dept.	Project Title	Award
Anderson	Frances	CEHHS	TED	Mathematics Capital in Mathematics Education: Pilot Study to Validate Mathematics Capital Questionnaire	\$2,000
Cass	Caitlin	CFAM	ART	Suffrage Graphic Novel and Traveling Exhibition	\$10,000
Heckler	Nuri	CPACS	PA	Nonprofit Moral License: How Nonprofit Donations Affect Race and Gender Opinion	\$8,800
Kim	Isak	CEHHS	COUNSL	Developing and Assessing the Effectiveness of a Youth Trauma-Informed Peer Advocates Program: A Preliminary Project in Local School Districts in Omaha Area	\$9,990
Kulig	Teresa	CPACS	CJUS	Examining the Direct Consequences of Victimization in Adulthood among a National Sample	\$10,000
Li	Han	CAS	BIOL	Investigating bat foraging activity differences between restored grasslands and adjacent agricultural lands with implications on ecosystem services	\$9,952
Palayangoda	Lochana	CAS	MATH	Semiparametric and Nonparametric Optimal Design Plans for Degradation Experiments	\$5,000
Poch	Apryl	CEHHS	SPED	Special Education Teachers' and Speech Language Pathologists' Preparation, Knowledge, and Efficacy in Supporting Students with Written Language/Writing Disabilities	\$9,558
Scheffel	Lucia	CEHHS	SPED	The effects of SPEAK OUT! & LOUD Crowd treatment on voice, speech, cognitive-linguistic, and communicative participation in persons with Parkinsons disease.	\$5,000
Tsai	Chun-Hua	IST	ISQA	Classification of Myositis from Muscle Ultrasound Images using Machine Learning	\$10,000
Van-Nordstrand	Shelby	CFAM	MUS	Music Album/Amplifying Women Composers	\$1,829
Wilkins	Sam	CEHHS	HK	Understanding Risk Factors Related to Patellar Tendinopathy in Collegiate Female Athletes	\$10,000
Total					\$92,129

Faculty Award Winner

Dr. Derrick Fox School of Music

2022 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



Chancellor Joanne Li (left), Derrick Fox, Award for Distinguished Research or Creative Activity recipient, Interim Senior Vice Chancellor for Academic Affairs Deborah Smith-Howell, and Dean Michael Hilt.

and creative activity at the University, while reaffirming the values of discovery, innovation, and fulfillment in scholarship and the arts.

Derrick Fox, DMA, is the Director of Choral Activities and Distinguished Associate Professor of Music at UNO. He has conducted all-state choirs, led international, national, and regional choral concerts/residencies, and presented professional development workshops across the United States and internationally. His research focuses on assessment in the choral classroom, building classroom community, rehearsal strategies, choral conducting techniques, DEAI implementation in music learning spaces and shape note singing in the African American community. He created the Professional Choral Collective (PCC) to collect and create learning activities and teaching strategies for choral music educators around the world to use during the COVID pandemic and beyond. He also partnered with the Country Music Association Foundation to create the Unified Voices for Music Education Initiative, which provides learning activities for instrumental and elementary music educators. He made his conducting debut at Carnegie Hall in March of 2023.

Dr. Fox enhances research and creative activity at UNO while supporting the important values of discovery innovation, and fulfillment in the arts through his work.

(Article written by UNO School of Music Staff)

WORK STUDY STUDENT RESEARCH PROGRAM AWARDS

The Office of Research and Creative Activity, by leveraging Federal Work-Study funds 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 activities. Creating research positions for work-study eligible students will provide students with research experiences, mentorship from a research faculty, and access to professional development activities. Students in the program were expected to complete necessary training to participate in the research, including, but not limited to responsible conduct of research, IRB and/or IACUC training as appropriate.

All full-time faculty were eligible to apply and each application was reviewed for merit and mentoring experience. 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. Projects that aligned with UNO Strategic Priorities, including UNO Big Ideas and NU-system collaborations were encouraged, but not required.

PI Last	PI First	College	Dept.	Project Title
Dinkel	Danae	CEHHS	HK	Assessing movement in early childhood
Finlay	Craig	CRISS	RESEARCH	OER tagging system pilot
Kim	Isak	CEHHS	COUNSL	Adverse childhood experiences and mental health care
Miller	A. T.	DEAI	DEAI	STARS AASCH Research Project
Schwartz	Lori	CRISS	SPCL COLLEC.	OLLAS Records: 20 Years of Connection and Education



A.T. Miller, Ph.D., UNO's Chief Diversity Officer, talks with the audience during the DEAI Symposium on March 22, 2023. Dr. Miller was awarded Work-Study Student Research Program funding through ORCA.

Student Essay

Sabrina Salrin

2021-2022 FUSE Awardee

The FUSE grant gave me the opportunity to explore academic interests outside of my discipline. Coming to college, I wanted to study Asian or Asian American studies, but there were little to no options for programs and courses at the University. With the FUSE grant, I was able to conduct research within my special interest under the mentorship of a professor in a different department with a background in Asian and Asian American studies. I had the privilege of assisting this professor with her research, and in doing so, learned how much work goes into academic research as well as preparations for presenting the research.



This was the first full-scale research project I had worked on outside of classes, so it taught me the importance of self-motivation when conducting research. I believe other students, whether they are contemplating graduate school or simply wish to explore interests outside of their discipline, would benefit tremendously from the FUSE or GRACA experience. It gave me insight into post-graduate academic scholarship and enriched my experience at the University. As someone who graduated with a BA in English, I believe other students from the English department would especially benefit from conducting interdisciplinary research since the discipline contains various areas of study such as Literature and Linguistics. Conversely, this is also a great opportunity to further explore a specific topic in one's own discipline.

The FUSE experience requires students to be independent and self-starters. It seemed intimidating to me, but there are resources to help students get started on their research and apply for FUSE. I would advise any students and faculty who are interested in FUSE to read through ORCA's web page and use it as a resource. There are examples of previous research projects and information about the FUSE process online.

My overall experience with FUSE at UNO was valuable and rewarding, and I would encourage anyone at the University to at least look into FUSE or GRACA, if not pursue the experience.

2022-2023 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 \$2,500 per student were available to UNO undergraduate students.

Last	First	Faculty Mentor	College	Dept.	Project Title	Award
Alizai	Yunos	Davis	CAS	BIOL	Microplate assay development for Gram-negative organisms	\$2,500
Burkland	Eva	Thompson	CFAM	COMM	Analyzing Far-Right Rhetoric: A Discourse-Historical Approach	\$2,000
Caldwell	Libby	Zuniga	CEHHS	BMCH	Functional Outcomes of Noninvasive Sensory Feedback in Upper Limb Prostheses: A Meta Analysis	\$2,000
Davis	Brianna	Davis	CAS	BIOL	Robotics-Assisted Drug Discovery Platform Development	\$2,500
Dreher	Braydon	Davis	CAS	BIOL	Investigating Novel Chemotherapeutics Against the Parasite Toxoplasma gondii	\$2,500
Dunwoody	Micah	White	CFAM	WRWO	Dharma Wars: Season One	\$2,000
Elsasser	Amiey	Gilbert	CFAM	ART	DERMA: Expressions in Body Paint Post Spinal Injury	\$2,500
Euteneuer	Clare	Davis	CAS	BIOL	Developing a microplate assay for drug discovery in Gram-positive organisms	\$2,500
Haan	Dimitri	Knarr	CEHHS	BMCH	Effect of Rate of Force Development in Shoulder Muscles on Baseball Pitching Velocity	\$2,500
Holstein	Jonah	Kulig	CPACS	CJUS	Developing an Evidence-Based Training Guide on Responding to Sex Trafficking Victims' Trauma	\$2,000
Kleffman	Nicole	Dinkel	CEHHS	HK	Creating Video-based Education to Enhance Infant Motor Development	\$2,500
McQueney	Alice	Garcia	CAS	PSYCH	Developmental and Serotonergic Contributions to Reward and	\$2,500
Meier	Abby	Knarr	CEHHS	BMCH	Relationship Between Perceived Strength and Mobility When Compared to Actual Walking Speed and Distance in Stroke Patients	\$2,500
Nafisa	Nohshin	Malcolm	CEHHS	BMCH	Analysis of functional clinical test after training with a Robotic Assistive Device	\$1,120

Faculty Mentor Profile

Rosemary Strasser Psychology

Type of Award You Have Mentored:

FUSE, GRACA, and Student UCRCA

Why did you agree to mentor FUSE or GRACA students?

Their research would help them reach their career goals and, in most cases, the research would not happen without GRACA/FUSE funding.

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

The most important skill they learn is to write a logical and convincing research proposal and think through all the steps necessary to complete the project. They are responsible for the implementation and completion of the project as well as managing expenses. While many students "help" in my lab with projects, a GRACA or FUSE is really the student's project which gives them the experience of being an independent researcher. They take ownership of all parts of the project and the experience is like nothing else we have at UNO or many other institutions, it is simply the best experience students in our area can have to prepare them once they graduate.

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

Be present and provide suggestions for the research question or methods but allow the students their own voice in what is done. I have learned as much from them as they have from me which has led to some exciting new lines of research. Be prepared that it will be additional work for you.

Anything else?

GRACA and FUSE have led to peer-reviewed publications with graduate and undergraduate students, media attention, and often have a community component that reflects very highly for UNO!



FUND FOR UNDERGRADUATE SCHOLARLY EXPERIENCES (FUSE)

Last	First	Faculty Mentor	College	Dept.	Project Title	Award
Rogers	DJ	Denton	CAS	BIOL	Flow cytometry to immunophenotype key immune cells in common marmosets	\$2,500
Spethman	Claire	Doctor	CAS	POLIS-CI	A Comparative Analysis of Group-Specific Attacks by Islamic State Affiliates	\$2,000
Walters	Matthias	Davis	CAS	BIOL	Immunostimulatory Peptide Activity Against Toxoplasmic Bradyzoites in Mice	\$2,500
Total FUSE Awards:						\$38,620
Total FUSE Mentor Awards:						\$7,000



Student oral presentation at the 2023 Research and Creative Activity Fair

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
Aderonmu	Joseph	Curtze	CEHHS	BMCH	Effect of Dual-Tasking and Levodopa-Induced Dyskinesia on Postural Sway in People with Parkinsons Disease	\$5,000
Ali	Alvi	Richards	CPACS	CJUS	Examining Prevention Education Training, Campus Climate, and Reporting Sexual Misconduct Among College Students	\$5,000
Allen	Baylee	Hamilton	CPACS	CJUS	Decarcerations Impact on Misconduct	\$5,000
Almaghrebi	Ahmad	Alahmad	IST/UNL	ENGR	Plug-in Electric Vehicle Charging Demand Optimization at Household Charging Stations	\$5,000
Amaechi	Martins	Knarr	CEHHS	BMCH	The Effect of Cane Usage on the Bilateral Braking Force of Hemiparetic Post-Stroke Patients.	\$5,000
Benitez	Andres	Park	CEHHS	HK	Cardiovascular and Autonomic Responses to Acute Exposure to Mild Hypercapnic Conditions	\$5,000
Bhattarai	Adarsha	Peng	IST/UNL	ENGR	Security Mechanisms and Communication Strategies for the Adaptive Partition of Remote Electrocardiogram (ECG) Diagnosis Between Wearable Sensor Net and Cloud	\$5,000
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	\$5,000
Brink	Kolby	Likens	CEHHS	BMCH	Investigating Transfer Effects of Fractal Metronome Training	\$5,000
Brison	Thomas	Hribljan	CAS	BIOL	Assessing the Current Status and Functions of Sandhills Wetlands in Western Nebraska	\$5,000
Brock	Chandler	Curtze	CEHHS	BMCH	Accelerometry-based analysis of postural sway in Parkinsons disease patients with levodopa-induced dyskinesia	\$5,000
Das	Soumitra	Morcous	IST/UNL	ENGR	Reducing Early-Age Shrinkage Cracks and Carbon Footprint of Concrete used in Bridge Decks and Rails	\$5,000

Faculty Mentor Profile

Kevin Clouter Writer's Workshop

Type of Award You Have Mentored:

GRACA

Why did you agree to mentor FUSE or GRACA students?

I have mentored six GRACA students over the last two academic years because the awards offer students opportunities to pursue projects that would be difficult, if not impossible, to actualize without mentorship and financial support. I have seen students travel to New Orleans for film and to Sweden for playwriting, to a forge in Colorado for blacksmithing and across the American South to interview people about the legacy of the Civil War. For the students who stayed close to home, the award allowed them to deepen their connection and contribution to local arts communities.



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

The program prepares students for the artistic and intellectual work outside of the classroom that they might dedicate themselves to after graduation.

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

Allow the student's vision to guide the process. Be constructive where possible and get out of the way when the student is cooking.

GRADUATE RESEARCH AND CREATIVE ACTIVITY (GRACA)

Last	First	Faculty Mentor	College	Dept.	Project Title	Award
Gilbert	Sheena	Richards	CPACS	CJUS	Its All Their Fault: Victim Blaming Through a Victim Precipitation Theoretical Lens	\$5,000
Gwaltney	Holton	Kingston	CEHHS	BMCH	Shear forces on the propulsive foot using different walking aid modalities in patients with type 2 diabetes mellitus	\$5,000
Harrington	Joseph	Kingston	CEHHS	BMCH	Using Statistical Parametric Mapping to Compare IMU Calibration Types and 3D Motion Capture	\$5,000
Jin	Dong Gun	Park	CEHHS	HK	Hydrogen sulfide as a biomarker in patients with peripheral arterial disease	\$5,000
Jonnalagadda	Soundarya	Fruhling	IST	SI2	Bank of Things (BoT) Digital Transformation of Banks using IoT to enhance Customer Experience	\$5,000
Karki	Bishwa	Zhong	IST	CS	Text in Image Watermarking using Deep Learning	\$5,000
Kuniyil	Sivapriya	Desyatova	CEHHS	BMCH	Characterization of swine aortic tree anatomy as a function of age and weight	\$5,000
Lacey	Kayla	Kramer	CAS	PSYCH	Can Conflict be Good? Examining the role of trust, task interdependence, and communication in the effectiveness of teams experiencing conflict	\$5,000
Lindsay	Kellie	Smith	CAS	ECON	Strategic Self-Awareness: Understanding the Switch Between Overconfidence and Risk Aversion	\$5,000
Linnell	Averie	Reiter-Palmon	CAS	PSYCH	Workplace Problem Solving	\$5,000
Mace	Stephanie	Kingston	CEHHS	BMCH	The affect of unstable treadmill gait training on healthy young adults: A pilot study	\$5,000
Matassa	Grace	Knarr	CEHHS	BMCH	ATFL Dynamic Length Change Correlation to Propensity for LAS	\$5,000
McVay	Sheri	Santo	CAS	PSYCH	General Self-Worth: A Buffer Against the Impact of Peer Victimization on Academic Achievement Among Brazilian Adolescents	\$5,000
Meinert	Emily	Richards	CPACS	CJUS	Sex Abuse within Churches Associated with the Southern Baptist Convention	\$5,000
Mousa	Pegah Nouri	Maleckis	CEHHS	BMCH	Mechanically-Tuned Tubular Grafts for Femoropopliteal Artery Reconstructions	\$5,000
Niemeyer	Kiersten	Hunt	CEHHS	BMCH	Real Time Auditory Biofeedback for Balance Control Assistance in Destabilizing Conditions	\$5,000

Student Profile

Theodore Johnson

2021-2022 GRACA Awardee

Mentor: Dr. Angela M. Eikenberry (SPA)

Project Title: Quietened Voices: A Phenomenological Analysis of the Experiences of Black/African-American aviation students.

Project Summary: The crux of my project was to understand what the academic and social experiences of Black American aviation students enrolled at PWIs had been. Through understanding their experiences pointed policy recommendations could be derived to help improve collegiate institutions to improve the experiences of these students and ideally, improve their retention within college.

What was something surprising you learned or discovered during your FUSE or GRACA project? What was the most challenging aspect of your project?

I learned that obtaining participants can be really difficult, which is only compounded if you have a small sample available to work with. The most challenging aspect was data collection, specifically recruiting enough Black American female aviation students due to the minute number (~0.5%) that currently exist in the aviation workforce, to rectify the gender imbalance my initial study had.

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

To consult with the faculty mentor about the viability and associated timeline for the project so a feasible plan of attack can be derived. Doing so will help the student understand the time management that will be necessary, especially over the summer, to complete the project and render a quality product, which can then be used for future presentations or conferences.

How will you use the results or products of your project and/or the skills you gained in the future? What are your plans for the coming academic year?

I plan to submit the project as an article in an aviation-related journal and also intend to use the results to inform my dissertation research since it will serve as a contrast to the work. My plans for the 2023-2024 academic year are to complete my dissertation and graduate.

Anything else you would like to share?

I would like to highlight how beneficial this opportunity was for me. The funding from this project allowed me to bolster an already strong paper without acquiring additional financial burden and it also won me a few awards at the national level. Consequently, I received pivotal exposure and networking due to the conferences and other academic platforms I was able to showcase my work at. Additionally, the project inspired one of my students to strongly consider graduate school because of our various conversations about the research, its impact, and their appreciation of the process.



GRADUATE RESEARCH AND CREATIVE ACTIVITY (GRACA)

Last	First	Faculty Mentor	College	Dept.	Project Title	Award
Oh	Laura	Kramer	CAS	PSYCH	Can Conflict be Good? Examining the role of trust, task interdependence, and communication in the effectiveness of teams experiencing conflict	\$5,000
Pintar	John	Elson	IST	SI2	The Future of Work, Robots in the Workplace	\$5,000
Ray	Paula	Clouthier	CFAM	WRWO	Kerry to Five Points	\$5,000
Razavi	Hiva	Malcolm	CEHHS	BMCH	Reducing the Metabolic Cost of Pushing Objects by Exploiting the Center of Mass Dynamics	\$5,000
Rech	John	Dinkel	CEHHS	HK	Exploring preschool teachers intrapersonal factors influencing their promotional efforts for preschoolers' active play	\$5,000
Roberson	Anthony	Hunter	CAS	PSYCH	Examining the underlying driving factor of the Glass Cliff and the longitudinal impact of social justice movements	\$5,000
Snee	David	Clouthier	CFAM	WRWO	Case Studies in Narrative Design	\$5,000
Song	Mingming	Bastola	IST	SI2	Health Communication and Trust in Patient Empowerment	\$5,000
Steffensen	Emily	Knarr	CEHHS	BMCH	Recurrent Quantification Analysis of Chronic Stroke Treadmill Gait	\$5,000
Struczewska	Pauline	Kamenskiy	CEHHS	BMCH	BALLOON ANGIOPLASTY OF THE FEMOROPOPLITEAL ARTERY ASSESSED USING X-RAY MICROTOMOGRAPHY	\$5,000
Sueper	Evan	Hunt	CEHHS	BMCH	Computer Vision-Based Technique for Markerless Motion Capture of Squirrels from Various Vantage Points	\$5,000
Tanvir	Abdullah	Zhong	IST	CS	Deep Learning Based Watermarking Scheme Using Adversarial Examples	\$5,000
Thomas	Grace	Dickson	CAS	BIOL	Effects of Bison and Cattle Grazing on Milkweeds and Monarch Butterflies	\$5,000
Ursino	John	Hamilton	CPACS	CJUS	De-incarceration's Impact on Recidivism	\$5,000
Vitro	Callie	Kearns	CPACS	CJUS	How Public Perceptions of Terrorism, Hate Crimes, and other Forms of Mass Violence Influence Support for Various Policy Responses	\$5,000
Wettengel	Kalyn	Bass	CBA	MGMT	Moral Foundations Theory: A Comparison in the Rhetoric of Violent Extremist Leaders and Non-Violent Leaders	\$5,000
Total GRACA Awards:						\$220,000
Total GRACA Mentor Awards:						\$19,500

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
Branscum	Caralin	Richards	CPACS	CJUS	The Victim-Survivor Notification Process and Experience from Practitioners and Survivors	\$500
Eberly	Makayla	DeVeney	CEHHS	SPED	Motor skill learning across toddlers with differing language skills: Discussion of preliminary findings	\$500
Grunkemeyer	Alli	Likens	CEHHS	BMCH	Stochastic Resonance and Heaviness Perception of Occluded Objects	\$500
Kim	Seung Keyom	Likens	CEHHS	BMCH	Coordination Dynamics of Winners and Losers in the 2015-2016 NBA Seasons	\$500
Poomulna	Jutharat	Kingston	CEHHS	BMCH	Comparison of marker-based and marker-less motion capture on kinematic outcomes; Comparison of lower limb 3D kinematic outcomes between markerless and marker-based systems during overground walking in children with cerebral palsy (CP)	\$500
Reynolds	Abby	Wong	CAS	BIOL	CAREER: Impact of stress coping style on cognitive processes and the underlying neuromolecular mechanisms	\$500
Shapouri	Fatemeh	Ward	IST	ISQA	The Effect of Firm Performance on IT Investments: The Role of Industry IT- Intensity	\$500
Various	n/a	Belflower	CFAM	MUS	UNO Voice Students Travel to West Central NATS Conference	\$3,000
Wong	Jonathan	Benenson	CPACS	PA	Centering Critical Race Theory in Policy Science: A Multiple Streams Framework Approach	\$500
Woods	Megan	Fallah Tafti	CEHHS	BMCH	Gait Variability is Altered After Revascularization in Patients with Peripheral Artery Disease	\$500
Total UCRCA Student Awards:						\$7,500

Student and Mentor Profile:
Mary Tisko (GRACA) and Dr. Juan Casas (Psychology)

Project Title: An Examination of the Effects of Different Body Image Content on Instagram

Mary Tisko

What was something surprising you learned or discovered during your FUSE or GRACA project? What was the most challenging aspect?

I learned a lot about recruitment practices and successful methodological implementation. The most challenging aspect of my project was getting participants to partake in both parts of my research study.

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

I will be using the skills I gained in my future research endeavors.

Dr. Juan Casas

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

It is a wonderful opportunity for students to further develop their methodological and statistical skills in particular. It also provides an avenue for them to learn more about the IRB process and managing a research project from start to finish. Ultimately they should also learn more about the publication process. Combined this should better prepare students to complete their more independent work on a thesis or dissertation.

Mary Tisko

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

Research often doesn't go as planned, and that's okay. Don't set yourself up for failure by under-anticipating how long your research will take. Schedule in some cushion room to avoid rushing phases of your research. Good research is rarely rushed.

Dr. Juan Casas

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

It is important to have some in-depth conversations with the student prior to beginning to get a better sense of what they hope to accomplish and how it fits in with their program goals and to assess if you are the right person to supervise the work. Think also about how you can help the student focus the project to something that can be completed within the specified timeframe and budget. It can be time intensive but a very rewarding experience.

2022-2023 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.

Moe Alahmad	Nathaniel Hunt	Ryan Wong
Erin Bass	Samuel Hunter	Xin Zhong
Dhundy Bastola	Alexey Kamenskiy	Jorge Zuniga Ulloa
Alisa Belflower	Erin Kearns	
Jodi Benenson	David Kingston	
Kevin Clouter	Brian Knarr	
Carolyn Curtze	William Kramer	
Paul H. Davis	Teresa Kulig	
Paul W. Denton	Aaron Likens	
Anastasia Desyatova	Philippe Malcolm	
Sheri DeVeney	Kaspars Maleckis	
Timothy Dickson	George Morcoux	
Danae Dinkel	Song-Young Park	
Austin Doctor	Dongming Peng	
Joel Elson	Roni Reiter-Palmon	
Farahnaz Fallah Tafti	Tara Richards	
Ann Fruhling	Jonathan Santo	
Erik Garcia	Ben Smith	
Mark Gilbert	Herb Thompson	
Zachary Hamilton	Kerry Ward	
John Hribljan	Kenneth White	

Faculty mentor Herb Thompson works with students in 2019



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,

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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.

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

UNO Work-Study Student Research Program

The 2023-2024 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.

Students hired by faculty who participate in the program 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 faculty are eligible to apply. Positions will be decided based on the criteria described below and funding availability. Awards of \$500 will be made per work-study student hire. Faculty are eligible for up to \$1,000 per year. (Award money is dispersed when the final report has been completed) The student worker hired must be Federal Work-Study eligible and enrolled at UNO during the term in which the award will be used.

Applications are accepted on a rolling basis, July-March.

2022- 2023 Internal Funding Program Totals

PROGRAM	TOTAL	Number of Awards
UCRCA Faculty	\$92,129	12
UCRCA Student	\$7,000	9
FUSE Student	\$38,620	17
FUSE and GRACA Faculty Mentor	\$26,500	40
GRACA Student	\$220,000	44
Grand Total	\$384,249	122