

# NEWS FROM THE UNDERGRADUATE RESEARCH CENTER

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## Congrats, Seniors!

As the saying goes, all good things must come to an end. In this edition of our newsletter, we bid farewell to a *truly exceptional* group of students who are taking the next steps in making their dreams become a reality. Many are headed to top notch grad schools and medical schools, while others are taking a gap year or entering the "real world" (check out their profiles on pages 2-6 to see where they are headed next). All the blood, sweat, and tears these seniors have put into their coursework, research, and extracurriculars have paid off exponentially, and we could not be more proud. Congratulations on all your accomplishments!

Seniors, it has been a sincere joy to watch you grow into such wonderful, young scholars who will persevere in making the world a better place. You will be missed tremendously, but we wish you great happiness and know you will be successful in the adventures that lie ahead.

And finally, a special thank you to our outstanding faculty mentors who invested massive amounts of time and energy into developing and mentoring these students. Without you, an exceptional undergraduate research experience would not be possible.

Farewell, seniors - onward and upward!

## URC'S MISSION

The Undergraduate Research Center's (URC) mission is to be the central hub for communication about undergraduate research grant programs and other related opportunities on and off campus, to distribute university funds for undergraduate research and creative projects, and to promote dissemination of results through travel grants and by offering opportunities for students to present their research findings.

# CONGRATULATIONS GRADUATES!

HIGHLIGHTING GRADUATING SOAR MEMBERS AND RESEARCHERS



## HUNTER BRADY

**Major:** Biology

**Faculty Mentor:** Dr. Anthony Newsome

**Post-graduation plans:** Hunter will be attending medical school at Lincoln Memorial University-DeBusk College of Osteopathic Medicine in Knoxville, TN.



## YASEEN GINNAB

**Major:** Biology and Psychology

**Faculty Mentor:** Dr. Frank Bailey

**Post-graduation plans:** Yaseen will attend a year-long fellowship with the Land Trust Alliance. After this, I'm planning to pursue a Master's then a Ph.D.



## MARZEA AKTER

**Major:** Psychology

**Faculty Mentors:** Dr. Tiffany Rogers

**Post-graduation plans:** Marzea will be attending the dental school at The University of Tennessee Health Science Center in Memphis, TN.

# CONGRATULATIONS GRADUATES!

HIGHLIGHTING GRADUATING SOAR MEMBERS AND RESEARCHERS



## LACON PARTON

**Major:** Biochemistry

**Faculty Mentor:** Dr. Rebecca Seipelt-Thiemann

**Post-graduation plans:** Lacon's plan after graduation is to go to medical school to pursue a career as a physician in Emergency Medicine. In the meantime, she will continue volunteering as a first responder and working as a Patient Care Technician!



## JESSE SCOBEE

**Major:** Biology

**Faculty Mentor:** Dr. April Weissmiller

**Post-graduation plans:** Jesse is taking a gap year to go through the application process for Physician Assistant programs.



## JANNA ABOU-RAHMA

**Major:** Biochemistry

**Faculty Mentor:** Dr. Kevin Bicker

**Post-graduation plans:** Janna is planning to take a gap year before applying to medical school and considering a masters degree program during her gap year.

# CONGRATULATIONS GRADUATES!

HIGHLIGHTING GRADUATING SOAR MEMBERS AND RESEARCHERS



## SAMAN KITTANI

**Major:** Psychology

**Faculty Mentor:** Dr. Tom Brinthaupt and Dr. Elizabeth Dyer

**Post-graduation plans:** Saman will be attending Vanderbilt University to pursue a graduate degree in Computer Science.



## CHARLOTTE DAIGLE

**Major:** English

**Faculty Mentor:** Dr. Rhonda McDaniel

**Post-graduation plans:** Charlotte will be working for Care Management Consultants as an Administrative Specialist. CMC works with nurses and attorneys representing clients who were seriously injured due to malpractice. She is also contemplating graduate school.



## CHEYENNE JONES

**Major:** Biology

**Faculty Mentor:** Dr. April Weissmiller

**Post-graduation plans:** Cheyenne will be attending Duke University to pursue her doctorate in Cancer Biology.

# CONGRATULATIONS GRADUATES!

HIGHLIGHTING GRADUATING SOAR MEMBERS AND RESEARCHERS

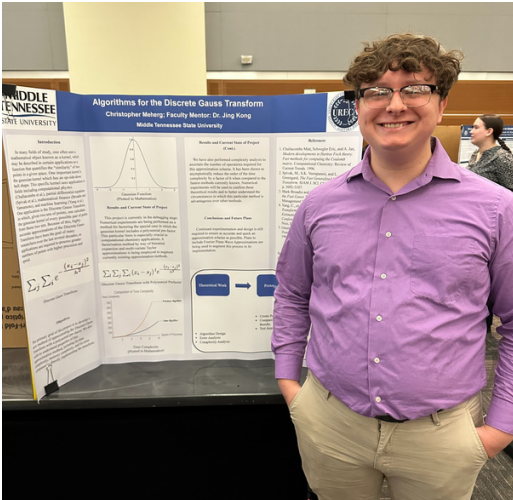


## CASEY TOMLIN

**Major:** Forensic Science

**Faculty Mentors:** Dr. Yangseung Jeong

**Post-graduation plans:** Casey is planning to get a job as a crime lab technician working in a local crime lab.



## CHRIS MEHERG

**Major:** Physics & Astronomy

**Faculty Mentor:** Dr. Jing Kong

**Post-graduation plans:** Chris is attending Georgia State University in Atlanta to start a PhD in theoretical nuclear physics.



## FORAM PATEL

**Major:** Computer Science

**Faculty Mentor:** Dr. Josh Phillips

**Post-graduation plans:** Foram is starting her M.S in Data Science at MTSU.

# CONGRATULATIONS GRADUATES!

HIGHLIGHTING GRADUATING SOAR MEMBERS AND RESEARCHERS



## LUKE GORMSEN

**Major:** Professional Physics & Aerospace Technology

**Faculty Mentors:** Dr. William Robertson & Dr. David Butler

**Post-graduation plans:** Luke will be working as a Radar Modeling Engineer for Dynetics.



## ZIHAN ZHANG

**Major:** Actuarial Science

**Faculty Mentor:** Dr. Don Hong

**Post-graduation plans:** Zihan will be attending Ohio State University to pursue a Masters of Actuarial and Quantitative Risk Management.

# *Congratulations* MAY GRADUATES

We are so proud of you and all that you have accomplished during your time at MTSU! You will be sincerely missed, but we know you will be successful in the adventures that lie ahead.

# WORLD CONGRESS ON UNDERGRADUATE RESEARCH

WORLDCUR

Coventry, UK

March 31-April 7

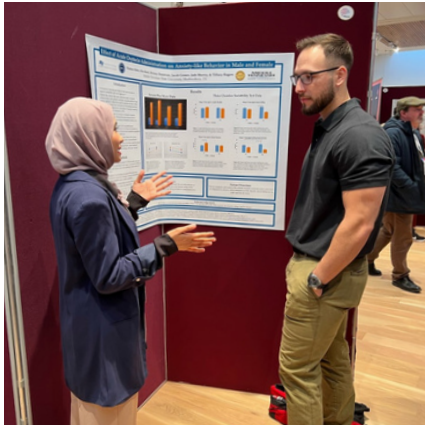
Eight MTSU students were selected to attend the joint World and British Congress on Undergraduate Research at the University of Warwick in Coventry, England. Students presented their research to an interdisciplinary audience and engaged with student researchers from all around the world.

**MTSU Cohort:** Brooke Busbee, Leslie Gonzalez, Yaseen Ginnab, Jesse Scobee, Marzea Akter, Janna Abou-Rahma, Ross Sibley, and Hunter Brady, with faculty representative Dr. Jamie Burriss.



The WorldCUR cohort was able to explore London before travelling to the University of Warwick.

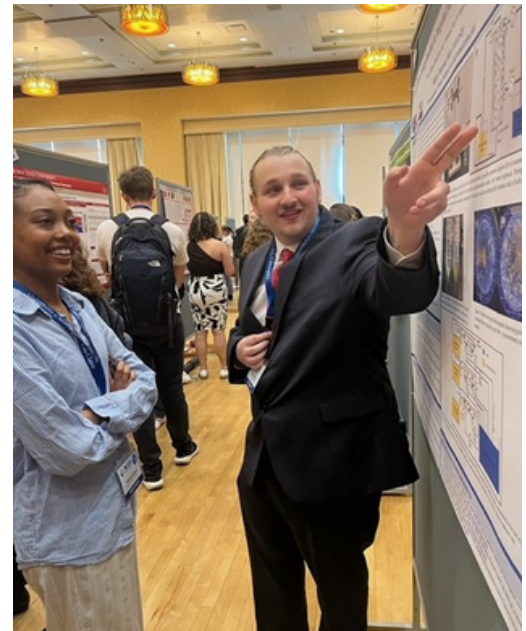
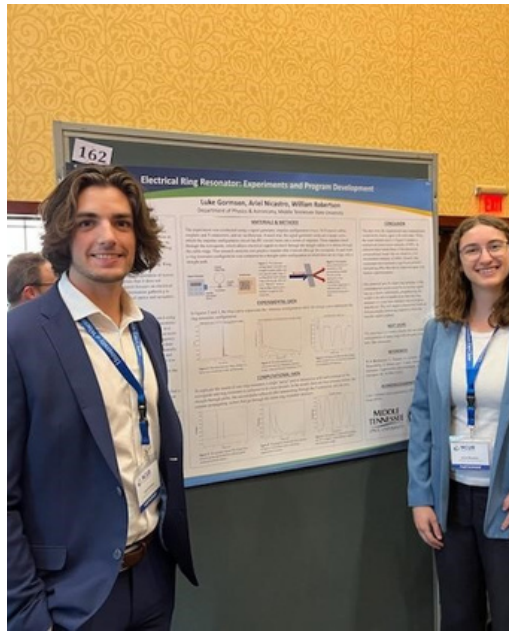
# World Congress on Undergraduate Research University of Warwick Coventry, England





# NATIONAL CONFERENCE ON UNDERGRADUATE RESEARCH

MTSU undergraduate researchers travel to Wisconsin to present their research with 4,000+ students



## *What is NCUR?*

**UNIVERSITY OF WISCONSIN - EAU CLAIR**

The National Conference on Undergraduate Research is a gathering of student scholars from all institutions of higher learning and from all corners of the academic curriculum. Through this annual conference, NCUR creates a unique environment for the celebration and promotion of undergraduate student achievement; provides models of exemplary research, scholarship, and creative activity; and helps to improve the state of undergraduate education.

*Join us in 2024!*

We will be travelling to Long Beach, California for NCUR 2024.

# NATIONAL CONFERENCE ON UNDERGRADUATE RESEARCH



**NCUR**  
UW-EAU CLAIRE  
2023



## JANNA ABOU-RAHMA

**Faculty Mentor:** Kevin Bicker

**Presentation Title:** Mechanism of Action of Antifungal Peptoids



## MARZEA AKTER

**Faculty Mentor:** Tiffany D. Rogers

**Presentation Title:** Effect of acute oxytocin administration on social behavior in male and female mice



## HUNTER BRADY

**Faculty Mentor:** Anthony Newsome

**Presentation Title:** Chlorine Dioxide Gas as an Antiviral Agent: Development, Optimization, and Application, of an Antiviral Assay based on the MS2 Bacteriophage



## BROOKE BUSBEE

**Faculty Mentor:** Jamie Burriss

**Presentation Title:** READY (Research Experience Activity Designed for Youth) to SOAR Program and its Impact on Area High School Students

# NATIONAL CONFERENCE ON UNDERGRADUATE RESEARCH



**NCUR**  
UW-EAU CLAIRE  
2023



## CASEY TOMLIN

**Faculty Mentor:** Yangseung Jeong

**Presentation Title:** Sex and age estimation using CT images in Forensic Anthropology



## CONNOR PRIM

**Faculty Mentor:** Michael Arndt

**Presentation Title:** Musicianship Explored Through Mahler's Fifth Symphony



## YASEEN GINNAB

**Faculty Mentor:** Frank Bailey

**Presentation Title:** Analyzing the Ability of *Astragalus Tennesseeensis* to Accumulate Selenium



## LESLIE GONZALEZ

**Faculty Mentor:** Jamie Burriss; Yangseung Jeong

**Presentation Title:** Sex and age estimation using CT images in Forensic Anthropology; READY (Research Experience Activity Designed for Youth) to SOAR Program and its Impact on Area High School Students

# NATIONAL CONFERENCE ON UNDERGRADUATE RESEARCH



**NCUR**  
UW-EAU CLAIRE  
2023



## GRETI MULLER

**Faculty Mentor:** Mary Evins

**Presentation Title:** Pionír: An Illustrated Novella Inspired by the Historical Pioneering Heritage of a Family from Transylvania



## FORAM PATEL

**Faculty Mentor:** Joshua L. Phillips

**Presentation Title:** Scaling GPA\* for complex protein folding pathway simulations



## ROSS SIBLEY

**Faculty Mentor:** Kevin Bicker

**Presentation Title:** Synthesis and Characterization of Cyclic Peptoids Against Cryptococcus neoformans and Candida albicans



## LINDSEY TRAN

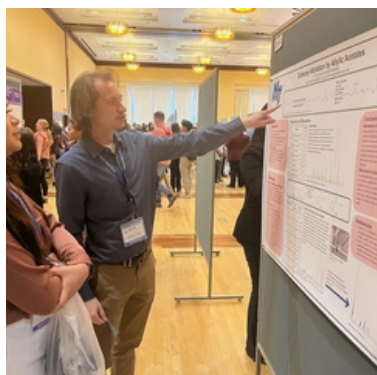
**Faculty Mentor:** Daniel Erenso

**Presentation Title:** Creation of electro-magnetic assisted “Star-like” formation from cancer cells using laser trapping technology

# NATIONAL CONFERENCE ON UNDERGRADUATE RESEARCH



**NCUR**  
UW-EAU CLAIRE  
2023



## **BENJAMIN MATTHEWS**

**Faculty Mentor:** Scott Handy

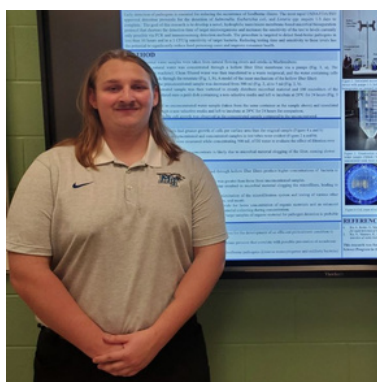
**Presentation Title:** Carbonyl Allylation by Allylic Acetates



## **ARIEL NICASTRO**

**Faculty Mentor:** William Robertson

**Presentation Title:** Electrical ring resonator: Experiments and program development



## **WESTON WILLIAMS**

**Faculty Mentor:** Seockmo Ku

**Presentation Title:** Rapid Foodborne Pathogen Detection via Tangential Flow Nano/Microfilter Bioseparation System



## **LUKE GORMSEN**

**Faculty Mentor:** William Robertson

**Presentation Title:** Electrical ring resonator: Experiments and program development

# FEATURED SOAR STUDENT ALEXA SUMMERSILL



**Major:** Psychology

**Faculty Mentor:** Liz Barnes

## **Current Research Focus:**

Black undergraduate biology students and their community's attitudes, behaviors, communication habits, and knowledge of COVID19 and COVID19 vaccines

## **Project Description:**

This study focuses on black undergraduate biology students and their communities' perceptions of COVID19 and COVID19 vaccines. I am working with two other undergraduate researchers on this project. We are interviewing students to understand their personal experiences during the COVID19 pandemic. With this study, we hope to improve understanding of the black communities' attitudes towards the pandemic and how educators can make COVID19 classroom discussions more inclusive.

## **Why does this topic interest you?**

I am interested in research that aims to help make biology education more inclusive, especially when covering more controversial scientific topics. COVID19 and climate change are rarely spoken on in my field of study as a psychology major. I think that understanding student perceptions and communication habits on these topics can lead to undergraduate students both in and out of the science community having a better overall understanding of these topics.

## **What are your professional aspirations?**

I would like to pursue a PhD in clinical psychology and become a therapist for adolescents and young adults. I am specifically interested in looking into men's mental health and body image. Overall, my goal is to help reduce the stigma associated with mental health.



## **Do you have any advice for future researchers?**

I am fortunate that I had the opportunity to start my research journey early in my academic career. It was beneficial to me in a variety of ways, including making connections and helping me become more comfortable with public speaking. I recommend starting as early as you can and do not be afraid to ask questions!

**Check out more  
SOAR profiles here!**

[MTSU.EDU/URC/SOAR-  
PROFILE/](https://www.mtsu.edu/urc/soar-profile/)

# UNDERGRADUATE RESEARCH GRADUATION DISTINCTION



## LEVELS OF RECOGNITION

### Distinction in Undergraduate Research

- Students receive a dark blue, light blue, and white cord

### Scholar Distinction in Undergraduate Research

- Students receive a dark blue, light blue and white cord AND a medallion (see image to the right)



## Congrats to our 2022-23 recipients!

- Dalton Lewis, Scholar Distinction  
Saman Kittani, Scholar Distinction  
Jesse Scobee, Scholar Distinction  
Charlotte Daigle, Scholar Distinction  
Casey Tomlin, Scholar Distinction  
Leslie Gonzalez Salazar, Scholar Distinction  
Yaseen Ginnab, Scholar Distinction  
Luke Gormsen, Scholar Distinction  
Garrett Tessmer, Scholar Distinction  
Marzea Akter, Scholar Distinction  
Foram Patel, Scholar Distinction  
Teckanous VanTrease, Scholar Distinction  
Cheyenne Jones, Scholar Distinction  
Catheryn Bolick, Scholar Distinction  
Kate Matthews, Distinction  
Hunter Brady, Scholar Distinction

# UNDERGRADUATE RESEARCH AND CREATIVE ACTIVITY AWARDS SUMMER 2023

## ASSISTANT AWARDS

**Madona Aziz** - Pharmacologically targeting the proliferation of protein aggregates in a model of Huntington's Disease in *Drosophila*

*Faculty Mentor: Kiel Ormerod, Biology*

**Halle Brandt** - Assessing the Predictive Validity of the Short Form Vaping Consequences Questionnaire: Positive Reinforcement Subscale.

*Faculty Mentor: James Tate, Psychology*

**Emilie Conners** - The Body Positivity Movement: Bettering College Women's Body Image and Health

*Faculty Mentor: Lucy Matthews, Marketing*

**Eli Neville** - 3D Imaging of the Weed Cell Structure for UV and Infrared based Weed Control

*Faculty Mentor: Hongbo Zhang, Engineering Technology*

**Rose Gutierrez** - Spectroscopy and Fluorescence Analysis of Neuroblastoma Cells in a Laser Trap with Magnetic Beads??

*Faculty Mentor: Daniel Erenso, Physics and Astronomy*

**Ayleen Iguera** - Researching Food Markets in Singapore and Malaysia to Better Understand Cultural Preferences in Terms of Food Availability, Prices, and Popularity

*Faculty Mentor: Ida Leggett, Sociology and Anthropology*

**Christopher Keiningham** - Artificial Intelligence-Driven Snake Game

*Faculty Mentor: Xin Yang, Computer Science*

**Jack Kelly** - Use of Natural Word Processing in Transformers to Analyze Electronic Medical Records (EMR)

*Faculty Mentor: Khem Poudel, Computer Science*

**Gavin Liles** - How Can Contrastive Learning be applied to improve the accuracy and speed of medical diagnosis and treatment?

*Faculty Mentor: Khem Poudel, Computer Science*



# UNDERGRADUATE RESEARCH AND CREATIVE ACTIVITY AWARDS SUMMER 2023

## ASSISTANT AWARDS

**Wesley Mitchell** - Applying Induced Set Attention to Transformers for Object Detection  
*Faculty Mentor: Joshua Phillips, Computer Science*

**Aaron Vongprachanh** - Predicting and Mapping Environmental Health Index Through Google Street View Images  
*Faculty Mentor: Arpan Sainju, Computer Science*

## SILVER AWARDS

**Catherine Bright** - An Integration of Movement to the Screen  
*Faculty Mentor: Jade Treadwell, Theater and Dance*

**Jillian DeGrie** - Breaking the Stigma around Autism: an Interactive Art Exhibition  
*Faculty Mentor: Kathleen O'Connell, Art and Design*

**Madalyn Dye** - Visual-Spatial Processing Differences Among Those with Dyslexia and Those Without Dyslexia  
*Faculty Mentor: Tim Odegard, Psychology*

**Sammi Hamdan** - Identifying Alzheimer's Disease from EEG Data Using an AE-SVM Classifier  
*Faculty Mentor: Khem Poudel, Computer Science*

**Javier Hernandez** - How Marketing Influenced the Success of the Top 20 Box Office Films of 2022  
*Faculty Mentor: Michael Peasley, Marketing*

**Francesca Mallia** - People with Antisocial Personality Disorder and Psychopathic Traits and their Self-Talk  
*Faculty Mentor: Thomas Brinthaup, Psychology*

**Weston Williams** - Domestic Penicillin Production via Bioreactor Fermentation Processing  
*Faculty Mentor: Tony Johnston, Agriculture*

# UNDERGRADUATE RESEARCH AND CREATIVE ACTIVITY AWARDS SUMMER 2023

## GOLD AWARDS

**Amy Brown** - Molecular Guided Design and Synthesis of Novel Autotaxin Inhibitors for Applications in Chemotherapy  
*Faculty Mentor: Souvik Banerjee, Chemistry*

**Rawan Haj-Hussein** - Exploring the Behavioral Impacts of Neuronal, Huntingtin Aggregates on Adult *drosophila melanogaster*  
*Faculty Mentor: Kiel Ormerod, Biology*

**Andrew Michael** - Uncovering Components of the Excitation-Contraction Coupling Machinery Using a Cell-Specific Approach in *Drosophila melanogaster*  
*Faculty Mentor: Kiel Ormerod, Biology*

## PLATINUM AWARDS

**Elliot Certain** - A Trip to DC: An Endeavor in Pursuit of Scholarly and Professional Development  
*Faculty Mentor: Roberta Chevrette, Communications Studies*

**Priscilla Hammermeister** - Financial Success Based on Maslow's Hierarchy of Needs: Survey-Based Evidence  
*Faculty Mentor: Murat Arik, Business and Economic Research Center*

**Tadros Hana** - Conducting a genetic screen to identify novel enhancers and suppressors of Huntington's Disease pathogenicity using GWAS-acquired targets  
*Faculty Mentor: Kiel Ormerod, Biology*

**Gracie Johnson** - The Exchange of Nanoparticles and Peptoids  
*Faculty Mentor: Mengliang Zhang, Chemistry*

**Matthew Johnson** - Characterization of Antifungal Peptoid Dendrimers  
*Faculty Mentor: Kevin Bicker, Chemistry*

**Benjamin Matthews** - Asymmetric Carbonyl Allylation by Allylic Acetates  
*Faculty Mentor: Scott Handy, Chemistry*

# UNDERGRADUATE RESEARCH AND CREATIVE ACTIVITY AWARDS SUMMER 2023

## PLATINUM AWARDS

**Patrick McAtee** - Classical genetic approach to enable the economical utilization of plant lignocellulosic hydrolysates for bioethanol production

*Faculty Mentor: Elliot Altman, Biology*

**Hailey Simmons** - Conducting Research with Traditional Specialists to Better Understand the Local Culture's uses to Aid and Cure Ailments in Singapore

*Faculty Mentor: Ida Leggett, Sociology and Anthropology*

**Clay Stalzer** - Fungal-fungal interactions on the skin of reptiles

*Faculty Mentor: Donald Wakler, Biology*

**Lindsey Tran** - Creation of New Energy Source from Electro-magnetic assisted "Star-like" Discovery in Red Blood Cells using Laser-Trapping Technology

*Faculty Mentor: Daniel Erenso, Physics and Astronomy*

# UNDERGRADUATE RESEARCH AND CREATIVE ACTIVITY AWARDS SUMMER 2023

## TEAM AWARDS

**Emma Gresham, Lance Harbour, Drew Lacy, Zach Legaux, Andy Belcher, Audrey Roberts, Sarah Vaupel, Carter Holland, Elvis Hurtado, Sean Kangas, Josh Mahan, Bailey Moore, and Natalie Rapier** - Half Dead Animated Short Film

*Faculty Mentors: Corey Reece, Media Arts*

**Jesse Adair, Christopher Cooper, Kaley Eaton, and Sarah Hall** - The Farm Theatre College Collaboration Project- New Play Workshop in NYC

*Faculty Mentors: Lauren Shouse, Theater and Dance*

**Holden Ayers, Seth Martinez, and Megan Wagner** - Relationship Between Sinkhole Flooding and Geology in Grassy Cove, TN

*Faculty Mentors: Mark Abolins, Geoscience*

**Beth Harless and Taylor Sholtz** - Clemmie Unfiltered

*Faculty Mentors: Tom Neff, Media Arts*

Thank You to our 2022-23 URECA Committee

Tricia Farwell, Chair, Journalism

Tiffany Rogers, Psychology

Hanna Terletska, Physics and Astronomy

Sean Foley, History

Keely O'Brien, Agriculture

Yixiang Wu, Mathematics

Kim Evert, Educational Leadership

Yi (Vanessa) Liu, Health and Human Performance

Bridget Donnelly, English

# INTERNSHIPS & RESEARCH OPPORTUNITIES

Check out the following opportunities for summer research !

## [MHIR Summer Undergraduate Research Program - MaineHealth Institute for Research](#)

- The 2023 MaineHealth Institute for Research Summer Undergraduate Research Program application is now live on the MHIR website. The application deadline is January 31, 2023. During the summer months MaineHealth Institute for Research (MHIR) provides undergraduates with an opportunity for a paid research internship through the ten week MHIR Summer Undergraduate Research Program. Research at MHIR covers a broad spectrum of biomedical and health sciences including cardiovascular biology, stem cell biology, developmental biology, neurobiology, metabolic and hormonal regulation, health services and population health, and clinical research. Students attend weekly research lectures delivered by MaineHealth faculty and clinicians, as well as professional development and networking activities led by MaineHealth leaders and social and networking events when possible. Students enrolled in an undergraduate college program or community college program, or high school seniors at least 18 years of age are eligible to apply. Participants must be eligible to be employed in the United States. Contact us with any questions and please share with anyone who might be interested in the program!

## [Motion Planning Lab REU - Clemson University](#)

- The Motion Planning Lab at Clemson is soliciting strong applicants for an REU program located at Clemson University's Zucker Campus in Charleston, SC. Students interested in Human-Robot Interaction (HRI) and/or motion planning are encouraged to apply. Specific projects include improving existing methods of tracking HRI and implementing new local steering controllers into the Robot Operating System (ROS) stack running on our robots (Turtlebot 2). Students applying should have significant coursework related to computer programming and have demonstrated abilities to work within a team and contribute to the completion of a large-scale project. Ideally, applicants should also have experience with robotics and ROS, and/or computer vision, and/or computer graphics, although this is not a requirement. The Research Experiences for Undergraduates (REU) program supports active research participation by undergraduate students in any of the areas of research funded by the National Science Foundation. REU projects involve students in meaningful ways in ongoing research programs or in research projects specifically designed for the REU program. Total pay for the entire 10-week program is \$8000. Eligibility: Undergraduate student participants in either REU Sites or REU Supplements must be U.S. citizens, U.S. nationals, or permanent residents of the United States. Applicants must also not planning to graduate before the end of Summer 2023

## [Translational Biomedicine - University of Missouri](#)

- As part of the University of Missouri's NextGen Precision Health Initiative, the School of Medicine has developed a new Translational Biosciences PhD training program. This training program seeks to recruit highly motivated and creative young scientists who are interested in developing innovative solutions to difficult problems in biology and medicine. The purpose of this 9-week, full-time summer research program is to provide undergraduates with an intensive research experience that emphasizes interdisciplinary and translational approaches across the bench-to-bedside continuum. Students will conduct research full-time, attend a weekly Translational Biomedicine seminar, and have the option of attending an additional weekly professional development seminar. TBM interns will participate in the larger summer program at Mizzou, including evening seminars, social events, and orientation. At the end of the summer students will present their research at a poster Forum.

# INTERNSHIPS & RESEARCH OPPORTUNITIES

Check out the following opportunities for spring & summer research !

## [Oak Ridge Institute for Science and Education](#)

- AMMTO is seeking talented and passionate ORISE Fellows that can support technical, programmatic, strategic, and policy efforts that will meet clean energy goals and drive innovation in U.S. manufacturing. Fellows will collaborate closely with AMMTO staff – including several former Fellows – and will develop a broad understanding of the potential of new technologies as well as the barriers to technology deployment. With guidance from a mentor, you will learn how to: Utilize scientific expertise to support decision-makers in the areas of energy efficiency policy, planning, research, development, and communication. [Read more here](#)

## [U.S. Department of Energy Community College Internships \(CCI\) Program - U.S. Department of Energy](#)

- Are you a community college student pursuing a degree in science, technology, engineering, or math? Do you want to develop and hone your technical skills at a national laboratory while learning from some of our nation's best scientists, engineers, and technicians? Then the Community College Internships (CCI) program is for you. As a CCI participant, you'll gain valuable hands-on experience in a technical project and build your professional network under the guidance of a mentor. You will also have opportunities to present your work to your mentors and peers, join in social activities, and engage in a variety of professional development activities to enhance your career skills. [Read more here](#)

## [U.S. Department of Energy Science Undergraduate Laboratory Internships \(SULI\) Program - U.S. Department of Energy](#)

- Are you an undergraduate student pursuing a degree in science, technology, engineering, or math (STEM) or recent graduate who completed an associate's degree or bachelor's degree in STEM? Do you want to develop and hone your research skills at a national laboratory while learning from some of our nation's best scientists and engineers? Then the Science Undergraduate Laboratory Internships (SULI) program is for you. As a SULI participant, you'll gain valuable hands-on research experience and build your professional network while collaborating on an exciting project under the guidance of a mentor. You will also have opportunities to present your research to your mentors and peers, join in social activities, and engage in a variety of professional development activities to enhance your career skills. [Read more here](#)