



UNIVERSITY OF  
**GEORGIA**

Center for Undergraduate  
Research Opportunities

2023

**CURO**

Symposium

highlighting UGA's undergraduate research

April 3-4 • Classic Center • Athens, GA

**Program**





# 2023 CURO Symposium

highlighting UGA's undergraduate research

**Welcome to the 2023 CURO Symposium!** Hosted by the Center for Undergraduate Research Opportunities, this two-day event highlights exceptional undergraduate research at the University of Georgia. Across campus, administrators, faculty and staff members, and graduate and undergraduate students have collaborated to make this an invaluable academic event.

This year's CURO Symposium features 498 undergraduates communicating their substantial research accomplishments. The presenters are pursuing 92 different majors from 15 schools and colleges and are conducting research with 245 faculty members from 69 departments in 17 colleges, schools, and divisions.

The CURO Symposium is a celebration of our students' hard work and engagement in research as well as the commitment of their faculty mentors to their success, which would not be possible without UGA's broad and substantial investment in outstanding experiential learning opportunities.

Thank you for your continued support of undergraduate research and the Center for Undergraduate Research Opportunities.

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# Schedule

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## Monday / April 3, 2023

*All oral sessions on Monday are in Athena Breakout Rooms A, B, C, D, G, and H.*

10:20-11:10 a.m.  
**Oral Session 1**

11:30 a.m. to 12:20 p.m.  
**Oral Session 2**

12:40-1:30 p.m.  
**Oral Session 3**

1:50-2:40 p.m.  
**Oral Session 4**

3-4 p.m.  
**Awards and Keynote Session**  
*Athena Room E*

4-6 p.m.  
**Poster Session**  
*Grand Hall South*

## Tuesday / April 4, 2023

*All oral sessions on Tuesday are in Athena Breakout Rooms A, B, C, D, G, and H.*

9:35-10:50 a.m.  
**Oral Session 5**

11:10 a.m. to 12:25 p.m.  
**Oral Session 6**

12:45-2 p.m.  
**Oral Session 7**

2:20-3:35 p.m.  
**Oral Session 8**

3:55-5:10 p.m.  
**Oral Session 9**



# CURO Research Mentoring Awards

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The Office of the Senior Vice President for Academic Affairs and Provost and the Jere W. Morehead Honors College established the CURO Research Mentoring Awards to recognize outstanding faculty who consistently engage undergraduate researchers through CURO programming (courses, Symposium, summer fellows, theses, etc.) and also enhance the learning experience of undergraduate researchers at the University of Georgia. Award recipients have provided superior research opportunities and mentoring and have collaborated with undergraduate researchers on publications and presentations at professional conferences.

The 2023 recipients are **Dr. Brandon Rotavera**, left, *Associate Professor, School of Environmental, Civil, Agricultural, and Mechanical Engineering, College of Engineering, and Department of Chemistry, Franklin College of Arts and Sciences*, and **Dr. Vincent Starai**, right, *Associate Professor, Department of Microbiology, Franklin College of Arts and Sciences*, pictured with Honors student Sophia Gavalas, who was a CURO Summer Research Fellow in 2022. Previous recipients and their years are listed below.



## 2022 recipients

- **Dr. Xiaoqin Ye**, *Professor, Department of Physiology and Pharmacology, College of Veterinary Medicine*
- **Dr. Puneet Dwivedi**, *Associate Professor of Sustainability Sciences, Warnell School of Forestry and Natural Resources*

## 2021 recipients

- **Dr. Cheryl T. Gomillion**, *Assistant Professor, School of Chemical, Materials, and Biomedical Engineering, College of Engineering*
- **Dr. Walter K. Schmidt**, *Georgia Cancer Coalition Distinguished Cancer Scholar, Department of Biochemistry and Molecular Biology, Franklin College of Arts and Sciences*

## 2020 recipients

- **Dr. Jamie Cooper**, *Associate Professor, Department of Foods and Nutrition, College of Family and Consumer Sciences*
- **Dr. David Cotten**, *Research Scientist, Department of Geography, Franklin College of Arts and Sciences*

## 2019 recipients

- **Dr. Vanessa Ezenwa**, *Professor, Odum School of Ecology, and Infectious Diseases, College of Veterinary Medicine*
- **Dr. Michelle vanDellen**, *Associate Professor, Psychology, Franklin College of Arts and Sciences*

# CURO Symposium Best Paper Awards

**C**URO Symposium Best Paper Awards recognize excellence in papers developed from work being presented at this year's Symposium.

Applicants may submit in one or more of the following categories: Arts, Humanities, and Media; Business; Life Sciences; Physical and Environmental Sciences; Public and International Affairs; Social Sciences; and Technology, Engineering, and Math.

Each recipient is recognized at the Symposium's Awards and Keynote Session, and each award carries \$100 in financial support. Recipients for the 2023 CURO Symposium are listed below, along with their research topics and faculty mentors.

Arts, Humanities, and Media

**Katherine Alice Yarbrough**

*"As far as I now perceive it": Landscape Construction in the Ode to Psyche*

Faculty Mentor: Roxanne Eberle

Business

**Jacob Reinhart**

*Triboelectric Edge Computing Sensors and their Application in the IS Supply Chain*

Faculty Mentor: Richard Thomas Watson

Life Sciences

**Amelia Marie Snyder**

*Mosquito Cell Adaptation Confers Replication Advantages to Zika Virus at an Expanded Temperature Range*

Faculty Mentor: Melinda Ann Brindley

Physical and Environmental Sciences

**Uyen Ta**

*Pound-Drever-Hall Technique for Cavity-Enhanced Transient Absorption*

Faculty Mentor: Melanie Reber

Public and International Affairs

**Sophia DeLuca**

*Securitizing Periods: The Case for Incorporating Menstrual Hygiene Management into Women, Peace, and Security National Action Plans as a Mechanism to Improve Women's Security*

Faculty Mentor: Maryann Gallagher

Social Sciences

**Regina Metz**

*Agreement Between Diary and Actigraphy Assessed Sleep in Women with Post-Traumatic Stress Symptoms (PTSS)*

Faculty Mentor: Patrick O'Connor

# Libraries Undergraduate Research Awards

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Since 2007, the UGA Libraries has sponsored the Undergraduate Research Awards, which provide cash prizes for excellence in research and academic inquiry. All UGA undergraduates conducting research are eligible.

Whether an undergraduate is creating a historical thesis, policy paper, composition for piano or a scientific study, they are eligible to apply for the award. The criteria include meeting with a librarian for a research consultation, writing a three- to five-page essay describing and reflecting upon the research process and project; and including a bibliography of sources used in the paper, among others. Prizes range from \$200-\$300.

Recipients for the 2023 CURO Symposium are listed below, along with their research topic, their librarian, and their faculty mentor.

## **Vanshika Singiseti**

First Place Senior Award, for research on “Testing the Effects of Bisphenol Exposure on Meiotic Spindle Organization in Control and Pericentrin-depleted Oocytes”

*Librarian: Diane Hartle*

*Faculty Mentor: Dr. Maria M. Viveiros*

## **Yeongseo Son**

First Place 1st-3rd Year Award, for research on “Inhibition of Neutrophil Elastase by the Bacterial Protease Inhibitor Ecotin”

*Librarian: Ian Thomas*

*Faculty Mentor: Dr. Balazs Rada*

## **Kiana Bussa**

Honorable Mention, for research on “United Nations Human Rights Council Membership and Domestic Respect for Human Rights”

*Librarian: Elizabeth White*

*Faculty Mentor: Dr. K. Chad Clay*

## **Erin O’Keefe**

Honorable Mention, for research on “The Sentimental Side of Mary Wollstonecraft: Her Painful, Pleasurable, and Eternal Sublime”

*Librarian: Kristin Nielsen*

*Faculty Mentor: Dr. David Diamond*

## **Jacob Reinhart**

Juror’s Choice award, for research on “Triboelectric Edge Computing Sensors and their Application in the IS Supply Chain”

*Librarian: Colleen Gardina*

*Faculty Mentor: Dr. Rick Watson*

## **Vybhavi Kotireddy**

One-Time Award for Most Promising 1st Year Student Paper, on “Social Polarization and Parent Support for Child Physical Activity and Cardiovascular Health”

*Librarian: Jessica Varsa*

*Faculty Mentor: Dr. Allan Tate*

## Oral Session 1

Monday,  
10:20-11:10 a.m.

Athena Breakout Rooms

|        |                         |   |                                  |
|--------|-------------------------|---|----------------------------------|
| Room A | Zainub Rushna Ali       | Made in America: Implications for Dual-Use Export Controls as the U.S. Brings Supply Chains Home  | <i>Dr. Justin Conrad</i>         |
|        | Faith Price             | Priorities of the U.S. Presidency: Insights from Bureaucratic Appointments  | <i>Dr. Jamie L. Carson</i>       |
|        | Brock Schultz           | Comfort in Chaos: The Electoral Benefits of Dysfunctional Governance  | <i>Dr. Jamie L. Carson</i>       |
| Room B | Adam Starks             | The Hidden Costs of Private Probation   | <i>Dr. Sarah Shannon</i>         |
|        | Sarah Ayomide Olatidoye | Rapping Resistance: The Evolution of Hip-Hop Music in the Black Communities of Brazil and the United States                               | <i>Dr. Cecilia Rodrigues</i>     |
|        | Christopher Rosselot    | Scapegoats of Crisis in Ecuador? Narratives of Migrants During Times of Social Unrest   | <i>Dr. Jorge C. Derpic</i>       |
| Room C | Sophia Theodora Gavalas | Characterization of <i>M. tuberculosis</i> Protein PE17 and its Effect on Host Lipid Droplets   | <i>Dr. Vincent Joseph Starai</i> |
|        | Bhavini Singh           | Relationship Between Margin of Stability and Joint Kinematics During Gait in Children with Cerebral Palsy                                 | <i>Dr. Christopher Modlesky</i>  |
|        | Regina Metz             | Agreement Between Diary and Actigraphy Assessed Sleep in Women with Post-Traumatic Stress Symptoms (PTSS)                                 | <i>Dr. Patrick O'Connor</i>      |
| Room D | Arjun Kumar Kotapalli   | Development of an In Vitro Bone Metastatic Niche for Assessing Early-Stage Interactions of Osteoblasts and Metastatic Breast Cancer Cells | <i>Dr. Karen J.L. Burg</i>       |
|        | Areeba Hashmi           | Bisphenol Exposure Disrupts Meiotic Spindle Organization and a Unique Liquid-Like Spindle Domain in Oocytes                               | <i>Dr. Maria M. Viveiros</i>     |
|        | Imrie Ross, Jodie Stone | Evaluation of a Molecular Tool to Measure the RNA Sequence-Dependent Translation Efficiency   | <i>Dr. Branson W. Ritchie</i>    |

# Monday, April 3, 2023

**Oral Session 2**  
Monday, 11:30 a.m.  
to 12:20 p.m.  
*Athena Breakout Rooms*

|               |                                     |   |                                |
|---------------|-------------------------------------|---|--------------------------------|
| <b>Room G</b> | <b>Caroline Beuscher</b>            | Freezing Tolerance Across Elevation and Ontogeny in <i>Boechera stricta</i>   | <i>Dr. Jill Anderson</i>       |
|               | <b>Gia Hy Do</b>                    | The Single-Cell Expression Patterns of FADS1 and FADS2 Across Developmental Stages and Species  | <i>Dr. Kaixiong Ye</i>         |
|               | <b>Bryn Robinson, Cloe Reynolds</b> | Effect of Time Dedicated to Teaching on Student Learning  | <i>Dr. Tessa C. Andrews</i>    |
| <b>Room A</b> | <b>Benjamin Lindsay Frick</b>       | <i>Sarracenia purpurea</i> as an Indicator for Climate Change Based Range Shifts in the Genus <i>Sarracenia</i>                         | <i>Dr. Jacqueline E. Mohan</i> |
|               | <b>Kate Moore</b>                   | The Effects of Boring Sponge ( <i>Cliona celata</i> ) Infection on Eastern Oyster ( <i>Crassostrea virginica</i> ) Engineering Function | <i>Dr. James E. Byers</i>      |
|               | <b>Birkley Heynen</b>               | Tracking and Understanding Migration Patterns in Asian Needle Ants  | <i>Dr. Takao Sasaki</i>        |
| <b>Room B</b> | <b>Venkata Atluri</b>               | The Effects of Influenza A Infection on Early Pregnancy in Mice   | <i>Dr. Xiaoqin Ye</i>          |
|               | <b>Elizabeth Lane</b>               | Developing a Series of Intrabodies to Selectively Inhibit Atypical p38 MAPK Signaling   | <i>Dr. Neil J. Grimsey</i>     |
|               | <b>Karly Kallish</b>                | Uterine Epithelial Estrogen Receptor $\alpha$ Conditional Knockout Mice Have Defective Uterine Fluid Regulation During Early Pregnancy  | <i>Dr. Xiaoqin Ye</i>          |
| <b>Room C</b> | <b>Bryce Sawyer</b>                 | Evaluating Fitness Contributions of RidA in <i>S. enterica</i>  | <i>Dr. Diana M. Downs</i>      |
|               | <b>Meredith Wessel</b>              | College Students and Caffeine   | <i>Dr. Jennifer L. Gay</i>     |
|               | <b>Nathan Kleber</b>                | Predicting Cis-Regulatory Interactions in the Human Kinome Through Structural Prediction Models   | <i>Dr. Natarajan Kannan</i>    |



**Oral Session 3**  
Monday,  
12:40-1:30 p.m.  
*Athena Breakout Rooms*

|               |                                |  |  |
|---------------|--------------------------------|--|--|
| <b>Room D</b> | <b>Rachel Dukarski</b>         | Renal Regulation of Calcium and Phosphorus Homeostasis During Early and Mid-Peak Egg Production in Laying Hens   | <i>Dr. Laura Ellestad</i>              |
|               | <b>Grant Gaines Bennett</b>    | The Function of Chicken Yolk Sac Tissue in Regulating Thyroid Hormone Metabolism and Availability During Early Embryogenesis                                 | <i>Dr. Laura Ellestad</i>              |
|               | <b>Graham Spires</b>           | Changes in Expression Patterns of Genes Related to Cyclic Eggshell Mineralization in the Shell Gland of Laying Hens at Early and Peak Egg Production         | <i>Dr. Laura Ellestad</i>              |
| <b>Room G</b> | <b>Hannah Lim</b>              | Assessing Coastal Inundation around the Caribbean Islands  | <i>Dr. Felix Luis Santiago Collazo</i> |
|               | <b>Shruti Milind Kumthekar</b> | Nitric Oxide Release from S-Nitroso-N-acetylpenicillamine through Cerium Oxide Nanoparticles   | <i>Dr. Elizabeth Brisbois</i>          |
|               | <b>Bob Deng</b>                | Modeling Urban Canopy Cover and its Effectiveness on Flood Resilience for Coastal Communities Under a Changing Climate                                       | <i>Dr. Felix Luis Santiago Collazo</i> |
| <b>Room A</b> | <b>Victoria Pagano</b>         | Evaluating the Effects of Environmental Variation on American Alligator Telomere Length  | <i>Dr. Benjamin Parrott</i>            |
|               | <b>Seamus O'Brien</b>          | Population Ecology of the Common Musk Turtle ( <i>Sternotherus odoratus</i> ) in a Georgia Piedmont Ecosystem  | <i>Dr. John Maerz</i>                  |
|               | <b>William T. Ellis</b>        | Do Hungry Predators Prefer Bored Prey? The Interactive Effects of Starvation Time and Boring Sponge Infection on Prey Selection by the Atlantic Oyster Drill | <i>Dr. James E. Byers</i>              |
| <b>Room B</b> | <b>Tara Marie Kehoe</b>        | <i>Venturia canescens</i> and Virus-Like Particles   | <i>Dr. Gaelen Burke</i>                |
|               | <b>Aaron Dino</b>              | A Theoretical Evaluation of Measles-Unvaccinated Children Thresholds for Targeted Interventions  | <i>Dr. Amy Winter</i>                  |
|               | <b>Lily Metsker</b>            | The Detection and Quantification of Mpox Virus in Wastewater in Athens, Georgia  | <i>Dr. Erin K. Lipp</i>                |

|               |   |  |                                     |
|---------------|---|--|-------------------------------------|
| <b>Room C</b> | <b>Jamie Kaiser</b>                         | Transcription Factor GATA4 Acts as a Regulator of Heparan Sulfate Biosynthesis in Hepatocellular Carcinoma Cells                               | <i>Dr. Ryan Weiss</i>               |
|               | <b>Madison Intemann</b>                     | Drug Discovery for Mucopolysaccharidosis Type IIIA   | <i>Dr. Ryan Weiss</i>               |
|               | <b>Haruki Takeuchi</b>                      | Bioengineering Heparan Sulfate to Create a Safe and Effective Heparin Alternative  | <i>Dr. Ryan Weiss</i>               |
| <b>Room D</b> | <b>Emily Armstrong</b>                      | Using Heat Maps to Assess Food Selection Behaviors to Inform Food-Access Interventions with Rural Georgia Residents                            | <i>Dr. Alexa Lamm</i>               |
|               | <b>Max White</b>                            | Wind Disaster Strikes: Mapping 30 Years of Georgia's Severe Wind Events  | <i>Dr. Michelle Ritchie</i>         |
|               | <b>Ansley Grace Groen</b>                   | Burden of Mental, Behavioral and Neurodevelopmental Disorders Among Children Exposed to Adverse Childhood Experiences in the U.S.              | <i>Dr. Janani Rajbhandari-Thapa</i> |
| <b>Room G</b> | <b>Maddie Packard</b>                       | Dynamic Changes of Uterine Immune Function Facilitate Early Pregnancy Events   | <i>Dr. Xiaoqin Ye</i>               |
|               | <b>Hope Grismer</b>                         | Hormonally Mediated Functions of Ras Homolog Family Member A (RhoA) in Uterus of Ovariectomized Mice   | <i>Dr. Xiaoqin Ye</i>               |
|               | <b>Addie Laurel Smith</b>                   | Investigating the Functional Role of Thyroid Hormones on Insulin-Like Growth Factor Binding Protein Expression During Avian Muscle Development | <i>Dr. Laura Ellestad</i>           |
| <b>Room H</b> | <b>Jacob Reinhart</b>                       | Triboelectric Edge Computing Sensors and Their Application in the IS Supply Chain  | <i>Dr. Richard Thomas Watson</i>    |
|               | <b>Brennan Fravert</b>                      | Antitrust Political Economy: The Law and Economics of Market Power   | <i>Dr. Laura Phillips-Sawyer</i>    |
|               | <b>Akhila Yellapragada, Vedika Ghildyal</b> | Optimizing the Efficiency of Command-Execution Testing Procedures  | <i>Dr. Deepak R. Mishra</i>         |

**Oral Session 4**

Monday,  
1:50-2:40 p.m.  
Athena Breakout Rooms

|        |                               |   |                              |
|--------|-------------------------------|---|------------------------------|
| Room A | Anderson Smith                | Abomasal Parasites in White-Tailed Deer ( <i>Odocoileus virginianus</i> ) in West Virginia  | Dr. Michael Yabsley          |
|        | Taylor Pearson                | Prevalence and Diversity of Rickettsia Species in Ixodid Ticks from Baird's Tapirs ( <i>Tapirus bairdii</i> ) from Costa Rica                       | Dr. Michael Yabsley          |
|        | Josiah Lavender               | Effects of Habitat on Painted Bunting ( <i>Passerina ciris</i> ) Abundance and Space Use on a Southeastern Barrier Island                           | Dr. Clark Rushing            |
| Room B | Sydney Arin Mance             | Sweet Taste Exposure in Adults with Obesity Leads to Differential Cephalic Phase Responses  | Dr. Jamie Cooper             |
|        | Davia E Allen                 | Postprandial Cognitive Performance in Response to an Acute Pecan-Enriched Meal Challenge  | Dr. Jamie Cooper             |
|        | Isabella Morris               | The Effect of Microbiota Transplantation on Weight Gain   | Dr. Claire de La Serre       |
| Room C | Kimberly Cisneros             | High Throughput Drug Discovery for Multiple Hereditary Exostoses  | Dr. Ryan Weiss               |
|        | Temiloluwa Ogunsanya          | Visualizing the Plasmodium Food Vacuole for PRC1590 Co-localization Experiments   | Dr. Maria Belen Cassera      |
|        | Maliha Rythme Hasan, Raj Shah | Bordetella Glycans Involved in Infection  | Dr. Maor Bar-Peled           |
| Room D | Emma Sorckoff                 | Exploring Young Children's Recovery Rates in Academic, Social, and Behavioral Skills Following COVID-19-initiated Disruptions to In-Person Learning | Dr. Kristen Bub              |
|        | Ryan Belfi                    | An Autoethnography Account: The Impact of Research on Identity  | Dr. Doris Acheme             |
|        | Casey Jokay                   | Correlations between Parent Affect, Autonomy-Supportive and Controlling Behaviors in Elementary Math Learning                                       | Dr. Michael Barger           |
| Room G | Christina James               | Next Generation Organoids: Root Vascularization and Accurate Organ Shape  | Dr. Nadja Zeltner            |
|        | Rayna J. Carter               | Metacognitive Development in Life Science Majors: Insights from Year One of a Longitudinal Study  | Dr. Julie Dangremond Stanton |
|        | Andres Villalobos             | Investigating the Role of Neuropeptide Signaling in Planarian Stem Cell Differentiation and Function  | Dr. Rachel Roberts-Galbraith |



## Awards and Keynote Session

Monday, 3 to 4 p.m.

*Athena Room E*

### Welcome and Introductions

Meg Amstutz

*Dean of the Jere W. Morehead Honors College*

### Remarks

Jere W. Morehead

*UGA President*

### Awards Introduction

Patricia Hunt-Hurst

*Interim Associate Dean of the Jere W. Morehead Honors College; Professor Emerita, Textiles, Merchandising, and Interiors, College of Family and Consumer Sciences*

### CURO Research Mentoring Awards

Karen J.L. Burg

*Vice President for Research*

### CURO Symposium Best Paper Awards

S. Jack Hu

*Senior Vice President for Academic Affairs and Provost; UGA Foundation Distinguished Professor in the School of Environmental, Civil, Agricultural, and Mechanical Engineering, College of Engineering*

### UGA Libraries' Undergraduate Research Awards

M. Kathleen Kern

*Director of the Miller Learning Center Library Commons, UGA Libraries*

### Introduction of the Keynote Speaker

Maisy Hufford, *Undergraduate Student, Political Science, School of Public and International Affairs*

Mallory Plunkett, *Graduate Student, Epidemiology, College of Public Health; BS Biology, Class of 2022*

### Keynote Address

Marisa A. Pagnattaro

*Vice President for Instruction; Josiah Meigs Distinguished Teaching Professor, Terry College of Business*

### Closing Comments

Meg Amstutz

*Audience adjourns to Poster Session and Symposium Reception, held in Grand Hall South.*

**Poster Session**, Monday, 4 to 6 p.m., *Grand Hall South*

|           |                                       |   |                       |                              |
|-----------|---------------------------------------|---|-----------------------|------------------------------|
| Poster 1  | <b>Christopher Oluwafemi Romiluyi</b> | Foraging Rate Across Resources and Temperature Gradient in <i>Daphnia dentifera</i>   | Dr. Alexander Strauss | Ecology                      |
| Poster 2  | <b>Gabe Sullivan-Brugger</b>          | Eating for Several Thousand: How Interactions Between Temperature and Resource Concentration Influence the Assimilation of Energy in a Host ( <i>Daphnia dentifera</i> ) - Parasite ( <i>Metschnikowia bicuspidata</i> ) Relationship | Dr. Alexander Strauss | Ecology                      |
| Poster 3  | <b>Amitesh Vikram Anerao</b>          | Physiological Effects of Auditory Stressors on the Horned Passalus Beetle   | Dr. Andy Davis        | Ecology                      |
| Poster 4  | <b>Jesse Freeze</b>                   | Diver-held and Stationary Camera as Tools to Observe Bluestreak Cleaner Wrasse ( <i>Labroides dimidiatus</i> ) Mutualisms and Cheating  | Dr. Craig W. Osenberg | Ecology                      |
| Poster 5  | <b>Caitlin Lyons</b>                  | Understanding Animal Responses to Invasive Species Using Wildlife Camera Traps  | Dr. Lizzie King       | Ecology                      |
| Poster 6  | <b>Hanna Lena Demmler</b>             | The Effect of Wrack on Rodent Activity in a Salt Marsh  | Dr. James E. Byers    | Ecology                      |
| Poster 7  | <b>Isabella E. Pellicano</b>          | Investigating Colonization and Enzyme Activity of Ectomycorrhizal Fungi Through White Oak Inoculation   | Dr. Nina Wurzburger   | Ecology                      |
| Poster 8  | <b>Samantha Jane Dilley</b>           | Social Determinants of Adaptation in Agricultural Communities   | Dr. Sechindra Vallury | Ecology                      |
| Poster 9  | <b>Skyler DeWitt</b>                  | Testing Color Calibration of Mammalian Fur Images in <i>Peromyscus polionotus</i> (Oldfield Mice) as a Case Study   | Dr. Sonia Altizer     | Ecology                      |
| Poster 10 | <b>Jess Moczulski</b>                 | Appalachian Salamander-Parasite Interactions Respond to Forest Treatment for the Control of Invasive Tree Pests   | Dr. Sonia Altizer     | Ecology                      |
| Poster 11 | <b>Logan Lane Owens</b>               | Plastic Ingestion by an Omnivorous Mammal, the Ringtail ( <i>Bassariscus astutus</i> ), in a National Park  | Dr. Sonia Altizer     | Ecology                      |
| Poster 12 | <b>Jayce Marino</b>                   | Effects of Salinity on the Feeding and Development of the Rhizostome Jellyfish <i>Cassiopea xamachana</i>   | Dr. William Fitt      | Ecology                      |
| Poster 13 | <b>Sahana Parker</b>                  | Evaluating Strategies to Increase Client Participation in Campus Compost Program  | Tyra Byers            | Ecology                      |
| Poster 14 | <b>Jay Mrazek</b>                     | Rock-Water Interactions in Tumbling Rock Cave, Alabama, USA: Geochemical Analysis of an Underground Stream System   | Dr. Todd C. Rasmussen | Forestry & Natural Resources |

|           |   |  |                                     |   |
|-----------|---|--|-------------------------------------|---|
| Poster 15 | <b>Jordan Nicole Smith</b>                  | Assessing Carbon Benefits and Economics of Wood Pellet-Based Sustainable Aviation Fuel Production in the Southern United States  | <i>Dr. Puneet Dwivedi</i>           | <i>Forestry &amp; Natural Resources</i> |
| Poster 16 | <b>Victoria Pagano</b>                      | Creating a Novel Technique to Model Populations of Pond-Breeding Amphibians  | <i>Dr. John Maerz</i>               | <i>Forestry &amp; Natural Resources</i> |
| Poster 17 | <b>Taylor Sabato</b>                        | The Impact of COVID-19 on Substance Use Disorder Treatment   | <i>Dr. Lydia Aletraris</i>          | <i>Social Work</i>                      |
| Poster 18 | <b>Ethan Korn</b>                           | “It’s a Social Thing that Brings Us Together” A Qualitative Study of Peer Influence and Substance Use in College   | <i>Dr. Man-Kit Lei</i>              | <i>Sociology</i>                        |
| Poster 19 | <b>Hawkins Pontes</b>                       | Exploring the Perceptions that the American Public has of Using Robotics and AI in the Healthcare Industry   | <i>Dr. Dawn T. Robinson</i>         | <i>Sociology</i>                        |
| Poster 20 | <b>Marti Wolf</b>                           | We’re Here and Possibly Queer: Analyzing the Ambiguous Communication of Queerness in Filmic Promotional Materials  | <i>Dr. Dawn T. Robinson</i>         | <i>Sociology</i>                        |
| Poster 21 | <b>Yiren Hou</b>                            | Optimal Design for Ordinal Categorical Regression on Milk Fiber Strength   | <i>Dr. Abhyuday Mandal</i>          | <i>Statistics</i>                       |
| Poster 22 | <b>Vaishnavi Harsha Chennareddy</b>         | An Analysis of Dyadic Perspective-Taking Discourse Using LIWC-22 Text Analysis Program to Identify Improvements to Article Diction and Produce More Engaging Discourse | <i>Dr. Allison Skinner-Dorkenoo</i> | <i>Psychology</i>                       |
| Poster 23 | <b>Dana Theoc</b>                           | The Implications of Stereotype Threat on the Academic Performance of Black College Students  | <i>Dr. Allison Skinner-Dorkenoo</i> | <i>Psychology</i>                       |
| Poster 24 | <b>Soniya Yalamanchili</b>                  | Analysis of Attentional Selectivity and Sustained Visual Attention in Schizophrenia  | <i>Dr. Brett Clementz</i>           | <i>Psychology</i>                       |
| Poster 25 | <b>Carsynn Miller</b>                       | Reactions to Organizational Social Media Activism  | <i>Dr. Brian Hoffman</i>            | <i>Psychology</i>                       |
| Poster 26 | <b>Austin Kral</b>                          | A Moving Watercolor Illusion   | <i>Dr. James M. Brown</i>           | <i>Psychology</i>                       |
| Poster 27 | <b>Natalie Grace Enyedi, Marnina Leftin</b> | Sex Differences in Functional Play Behavior in 34-month-old Children   | <i>Dr. Janet Frick</i>              | <i>Psychology</i>                       |
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| Poster 254 | <b>Jasmine Udeshi</b>   | On Campus Caffeine Consumption   | <i>Dr. Jennifer L. Gay</i>      | <i>Health Promotion &amp; Behavior</i> |
| Poster 255 | <b>Madeline Catherine Kerestman</b>   | Got Caffeine? The Association Between Caffeine Intake and Walking Levels Among UGA Students                                      | <i>Dr. Jennifer L. Gay</i>      | <i>Health Promotion &amp; Behavior</i> |
| Poster 256 | <b>Bansari R. Shah</b>  | The Relationship Between Physical Activity and Sleep   | <i>Dr. Jennifer L. Gay</i>      | <i>Health Promotion &amp; Behavior</i> |
| Poster 257 | <b>Emma DiPuma,<br/>Emery Pikel,<br/>Alexander Scheid,<br/>Sarah Heaton,<br/>Fatima Islam</b> | Imagine It Is the Year 2100. People and Environments Around You Are Thriving. What Do You See?                                   | <i>Dr. Michelle Ritchie</i>     | <i>Health Policy &amp; Management</i>  |

|            |                                     |  |                                 |   |
|------------|-------------------------------------|--|---------------------------------|---|
| Poster 258 | <b>Jason Meng</b>                   | Extending Knowledge and Skills in Disaster Management Through Local Application  | <i>Dr. Michelle Ritchie</i>     | <i>Health Policy &amp; Management</i>   |
| Poster 259 | <b>Benjamin Brown</b>               | Analyzing the Gaze Points and Strategies of Sight-Singers with an Eyetracker   | <i>Dr. Rebecca L. Atkins</i>    | <i>Music</i>                            |
| Poster 260 | <b>Rose Sebaugh</b>                 | Assessing Potential Risk Periods of Disordered Eating in Collegiate Dancers  | <i>Prof. Rebecca Gose</i>       | <i>Dance</i>                            |
| Poster 261 | <b>Aila Herenda</b>                 | Effects of Positive Psych Interventions on the First-Generation American   | <i>Dr. Wendy Harris Biddle</i>  | <i>Division of Academic Enhancement</i> |
| Poster 262 | <b>Joshua Walker</b>                | Institutional Bias or Failure? Evaluating Outcomes of the IMF's Low-Income Lending Facilities                              | <i>Dr. Carolina Caetano</i>     | <i>Economics</i>                        |
| Poster 263 | <b>Venusha Vishmika Buwaneka</b>    | Analysis of the Fintech Market and Consumer-Treatment  | <i>Dr. Gregory Day</i>          | <i>Legal Studies</i>                    |
| Poster 264 | <b>Ria Sardana</b>                  | Cyber Risk and Insurance in the Financial Sector   | <i>Prof. Lindsay Sain Jones</i> | <i>Legal Studies</i>                    |
| Poster 265 | <b>Sophia Beasley</b>               | Influencers and Financial Markets: Crossing the Liability Line?  | <i>Prof. Lindsay Sain Jones</i> | <i>Legal Studies</i>                    |
| Poster 266 | <b>Dawson Templin</b>               | Hospital Administrators and their Effect on Performance and National Ranking Outcomes                                      | <i>Dr. Tim Quigley</i>          | <i>Management</i>                       |
| Poster 267 | <b>Alexa Nicole Robles</b>          | Developing a Chatbot to Improve Prenatal Testing Education Amongst Pregnant Women  | <i>Dr. Elena Karahanna</i>      | <i>Management Information Systems</i>   |
| Poster 268 | <b>Carson Hart</b>                  | How Thin-Ideal Versus Plus-Size Models Influence Perceived Brand Authenticity and Brand Outcomes                           | <i>Dr. Rosanna K. Smith</i>     | <i>Marketing &amp; Distribution</i>     |
| Poster 269 | <b>Josie Dennis</b>                 | Popularity Breeds Similarity: Effects of Social Media Recommender Systems on Homogenous Beauty Standards and Mental Health | <i>Dr. Rosanna K. Smith</i>     | <i>Marketing &amp; Distribution</i>     |
| Poster 270 | <b>Bella Cabibi</b>                 | An Investigation in Measuring Commitment and What Influences a State's Strength of Commitment to Human Rights Treaties     | <i>Dr. Andy Owsiak</i>          | <i>International Affairs</i>            |
| Poster 271 | <b>Sloane Rice</b>                  | Brexit Reopens the Irish Border Conflict   | <i>Dr. Andy Owsiak</i>          | <i>International Affairs</i>            |
| Poster 272 | <b>Davis Wesley Potts</b>           | How Does Sustainability Policy Affect Local Industries? A Study in the Archipelago of the Açores                           | <i>Dr. Gregory M. Thaler</i>    | <i>International Affairs</i>            |
| Poster 273 | <b>Hannah Kesner, Inaara Lalani</b> | The Populist Radical Right: A Threat to Human Rights   | <i>Dr. K. Chad Clay</i>         | <i>International Affairs</i>            |

|            |   |   |                                   |   |
|------------|---|---|-----------------------------------|---|
| Poster 274 | <b>Julianna Russ</b>                      | Recasting Surrogacy as Labor: Assessing International Law and Developing a Regulatory Framework   | <i>Dr. Maryann Gallagher</i>      | <i>International Affairs</i>              |
| Poster 275 | <b>Lilly Kersh</b>                        | Race and Motherhood in Politics: How News Media Coverage Differs Based on Intersecting Identities   | <i>Dr. Maryann Gallagher</i>      | <i>International Affairs</i>              |
| Poster 276 | <b>Justin Cohen</b>                       | Rifts in Congress: How Has Domestic Elite Polarization Affected U.S. Foreign Policy?  | <i>Dr. Ryan Powers</i>            | <i>International Affairs</i>              |
| Poster 277 | <b>Sara Anis Ali</b>                      | Analyzing the Conditional Discharge Program for Misdemeanor Marijuana Possession in Fayette County  | <i>Dr. Teena Wilhelm</i>          | <i>Political Science</i>                  |
| Poster 278 | <b>Micah Duane Shannon</b>                | The Geography, Growth, and Property Price Effects of Private Student Housing Developments in American College Towns                           | <i>Dr. Joseph T. Ornstein</i>     | <i>Political Science</i>                  |
| Poster 279 | <b>Chris Haswell</b>                      | Utilizing Transparency Reports: An Analysis of the Surveillance Relationship Between the United States Government and Big Tech                | <i>Dr. Andrew Whitford</i>        | <i>Public Administration &amp; Policy</i> |
| Poster 280 | <b>Cullen Trace Giddens, Sarah Kudyba</b> | Understanding the Acquisition of English VACs by Speakers of Two Typologically Similar L1s: Brazilian Portuguese and Italian                  | <i>Dr. Vera Lee-Schoenfeld</i>    | <i>Linguistics</i>                        |
| Poster 281 | <b>Jill S. McLendon</b>                   | Filling the Gap: The Correlation Between Particle Verbs and Transitivity in German and English  | <i>Dr. Vera Lee-Schoenfeld</i>    | <i>Linguistics</i>                        |
| Poster 282 | <b>Rohini Bose</b>                        | Ethics of Artificial Intelligence in the Discovery Process of Litigation  | <i>Dr. Jeremy Davis</i>           | <i>Philosophy</i>                         |
| Poster 283 | <b>Maya Cornish, Caroline Solomon</b>     | Russian Language Resource Creation and Outreach for High Schools  | <i>Dr. Alexandra Shapiro</i>      | <i>Germanic &amp; Slavic Studies</i>      |
| Poster 284 | <b>Daniel Sina Rouhani</b>                | Superiority of Silk Wound Dressing Over the Dermabond® Prineo® Skin Closure System: A Prospective, Randomized, Single-Blinded Clinical Trial  | <i>Dr. Janet Westpheling</i>      | <i>Genetics</i>                           |
| Poster 285 | <b>Anannya Das</b>                        | Analyzing Sufu Expression in the Sonic Hedgehog Signaling Pathway in Heterozygous Induced Lizard Embryonic Fibroblast Cells using CRISPR/Cas9 | <i>Dr. Jonathan Eggenschwiler</i> | <i>Genetics</i>                           |
| Poster 286 | <b>Kennedi Lashaun Scales</b>             | Investigating Enhancer Function of 157 Base Pair Region Within FADS2 in Humans  | <i>Dr. Kaixiong Ye</i>            | <i>Genetics</i>                           |
| Poster 287 | <b>Claire Cheng</b>                       | The Shared Genetics Basis of Circulating Polyunsaturated Fatty Acids and Brain Disorders  | <i>Dr. Kaixiong Ye</i>            | <i>Genetics</i>                           |



|            |   |   |                               |              |
|------------|---|---|-------------------------------|--------------|
| Poster 288 | <b>Isabelle Bowman</b>                  | Investigating the Influence of a Genetic Variant, rs968567, on FADS1 and FADS2 Expression Through Prime Editing                     | Dr. Kaixiong Ye               | Genetics     |
| Poster 289 | <b>Elaina Barrickman</b>                | Investigating Enhancer Function of 335 Base Pair Region Within FADS2 in Humans  | Dr. Kaixiong Ye               | Genetics     |
| Poster 290 | <b>Julia Louise Cazabon</b>             | Investigating Enhancer Function of 335 Base Pair Region Within FADS2 in Humans  | Dr. Kaixiong Ye               | Genetics     |
| Poster 291 | <b>Alex Huong Chiang, Aryaman Singh</b> | The Effects of Vegetarianism and Genetics on Human Polyunsaturated Fatty Acid Levels  | Dr. Kaixiong Ye               | Genetics     |
| Poster 292 | <b>Shaelin Lee</b>                      | A Genetic Approach to Exploring the Relationship Between Heterochromatin Disruption, Genome Instability, and Disease                | Dr. Mary Goll                 | Genetics     |
| Poster 293 | <b>Jiye Bae</b>                         | Intron Methylation Regulates IBM1 Expression in <i>Arabidopsis thaliana</i>   | Dr. Bob Schmitz               | Genetics     |
| Poster 294 | <b>Kelly Luo</b>                        | The Effect of Cis-Regulatory Variation on Chromatin Accessibility in the Maize Genome   | Dr. Bob Schmitz               | Genetics     |
| Poster 295 | <b>Aditya Birla</b>                     | Comparing Databases of Gene Expression to Determine Transcription Factor Function   | Taylor Marie Strayhorn        | Genetics     |
| Poster 296 | <b>Ziad Obideen</b>                     | Dissecting the Interactions Between the Bacterial Predator <i>Acinetobacter baylyi</i> and its Prey <i>Escherichia coli</i>         | Dr. Courtney Kathleen Ellison | Microbiology |
| Poster 297 | <b>Alexandra Benedetto</b>              | The Influence of ALS3 or HGC1 Overexpression on the Improvement of Biofilm Formation in <i>Candida albicans</i>                     | Dr. Aaron P. Mitchell         | Microbiology |
| Poster 298 | <b>Abby Lauterbach</b>                  | A Comparative Study of Bee Genus Diversity and Abundance in Urban Food Production Sites Versus Urban Ornamental Sites in Athens, GA | Dr. Kris Braman               | Entomology   |

# Tuesday, April 4, 2023

## Oral Session 5

Tuesday,  
9:35-10:50 a.m.  
Athena Breakout Rooms

|               |                             |   |                                |
|---------------|-----------------------------|---|--------------------------------|
| <b>Room A</b> | <b>Sean Manning</b>         | Addressing Energy Security Misunderstandings in Georgia: A State-Wide Educational Approach  | <i>Dr. Maryann Gallagher</i>   |
|               | <b>Emma Griffin</b>         | The Impact of Environmental INGO Presence on Ecological Terrorism Activity  | <i>Dr. Amanda Murdie</i>       |
|               | <b>Kiana Bussa</b>          | United Nations Human Rights Council Membership and Domestic Respect for Human Rights  | <i>Dr. K.C. Clay</i>           |
|               | <b>Brooke Sanders</b>       | The Global Importance of Women in Energy  | <i>Dr. Maryann Gallagher</i>   |
| <b>Room B</b> | <b>Kiernan O'Mara</b>       | Attentional Deficits Related to Compromised Target Detection in Visual Paradigms  | <i>Dr. Brett Clementz</i>      |
|               | <b>Sydney Cottle</b>        | The Relationship Between Gender, Home Demands, and Burnout  | <i>Dr. Lillian T. Eby</i>      |
|               | <b>Alex Branch</b>          | The Relationship Between Insula Volume and Positive Symptoms in Psychotic Disorders   | <i>Dr. Jennifer McDowell</i>   |
| <b>Room C</b> | <b>Yiren Hou</b>            | Overall Ranking of Small Area Means using Bayesian Method   | <i>Dr. Abhyuday Mandal</i>     |
|               | <b>Joshua Simon Track</b>   | Resolving the Inconsistency in the Physical and Psychological Differences of the Natural Slave and Natural Master of Aristotle's Politics | <i>Dr. Athanasios Samaras</i>  |
|               | <b>David Burke</b>          | The Influence of Multidimensional Poverty on Malnutrition and Health Outcomes of Indigenous Panamanians                                   | <i>Dr. Leonard Martin Ward</i> |
| <b>Room D</b> | <b>Kate Yarbrough</b>       | A Letter's Landscape: Exploring the Odes of John Keats  | <i>Dr. Roxanne Eberle</i>      |
|               | <b>Gillian Lee Pytte</b>    | Julian of Norwich's Guide to Suffering: Christ's Divine Fall  | <i>Dr. Cynthia Turner Camp</i> |
|               | <b>Maxim Harris Bateman</b> | The Anatomy of a Psalm: A Literary Study of Biblical Poetry   | <i>Dr. Susan Rosenbaum</i>     |

**Oral Session 6**

Tuesday, 11:10 a.m.  
to 12:25 p.m.  
Athena Breakout Rooms

|               |   |  |                              |
|---------------|---|--|------------------------------|
| <b>Room G</b> | <b>Saumya Reddy Gade</b>                                    | A Retrospective Study of Neoplasms in 97 Captive and Wild Virginia Opossums ( <i>Didelphis virginiana</i> )  | <i>Dr. Elizabeth Howerth</i> |
|               | <b>Evan Jacob Sinclair, Carlee Harris, Julia Florentino</b> | Formulating the Parameters of Platination  | <i>Dr. Krzysztof Czaja</i>   |
|               | <b>Abigail Roegner</b>                                      | The Search for a Universal Influenza Vaccine: Broadening Influenza A Immunization Using Next-Generation COBRAs and Nanoparticle Technology                                     | <i>Dr. Jarrod Mousa</i>      |
| <b>Room A</b> | <b>Shrika Madivanan</b>                                     | Starvation as an Act of Resistance: Force Feeding as a Tool of Torture   | <i>Dr. Leah Carmichael</i>   |
|               | <b>Sophia DeLuca</b>  | Securitizing Periods: The Case for Incorporating Menstrual Hygiene Management into Women, Peace, and Security National Action Plans as a Mechanism to Improve Women's Security | <i>Dr. Maryann Gallagher</i> |
|               | <b>Milan Nayak</b>  | Minimum Wage and Human Voter Rights: What's the Relationship?  | <i>Dr. K.C. Clay</i>         |
|               | <b>Alex Drahos</b>  | The Space Race: Examining Terrorist Attacks in Public and Private Spaces   | <i>Dr. Maryann Gallagher</i> |
| <b>Room B</b> | <b>Aayush Umesh</b>   | Cabaret's Buddhist Hells and Psychedelics: Comparing Sally Bowles to Jean Ross in an Unconventional Performance  | <i>Prof. George Contini</i>  |
|               | <b>Wyn Alyse Thomas</b>                                     | Excerpts from "First Semester: A Musical"  | <i>Prof. George Contini</i>  |
| <b>Room C</b> | <b>Douglas Vines</b>  | Fruit Shape of Watermelon Associated with Variation in CISUN25-26-27a Alleles  | <i>Dr. Cecilia McGregor</i>  |
|               | <b>Yash Sajjan</b>  | Harvesting Microalgae Using Thermoresponsive Surfaces  | <i>Dr. Sergiy Minko</i>      |
|               | <b>Joseph Weston Clarke</b>                                 | Phenology and Floral Color Variation in Two Spring Ephemerals  | <i>Dr. Megan DeMarche</i>    |
| <b>Room A</b> | <b>Alex Drahos</b>  | Breaking the Cycle of Hate: Exploring LGBT+ Hate Crimes in Post-Conflict Societies   | <i>Dr. Andrew Owsiak</i>     |
|               | <b>Albert Zhonghai Chen</b>                                 | China's Soft Power and International Cooperation   | <i>Dr. Rongbin Han</i>       |
|               | <b>Aicha Sabara</b>   | Starvation as a Tool of War: A Phenomenon, or is it?   | <i>Dr. Leah Carmichael</i>   |

**Oral Session 7**

Tuesday,  
12:45-2 p.m.  
Athena Breakout Rooms

# Tuesday, April 4, 2023

|               |                                       |   |                                 |
|---------------|---------------------------------------|---|---------------------------------|
| <b>Room B</b> | <b>Sara Adkins</b>                    | Helping Children with ASD Succeed in School: Evidence from the United States and Russia   | <i>Dr. Olga Thomason</i>        |
|               | <b>Lyla Gahl</b>                      | The Historical Impact of the Films Solaris (1972) and 2001: A Space Odyssey (1968) on Public Perceptions about the Cold War in the Soviet Union and the United States | <i>Dr. Alexandra Shapiro</i>    |
|               | <b>Katerina Dmitrivna Khudoleyev</b>  | Russian Iconography in Hollywood and its Impact on Media Consumers  | <i>Dr. Olga Thomason</i>        |
|               | <b>Jazlyn Piedra</b>                  | The EU Responses to the Syrian and Ukrainian Humanitarian Crises  | <i>Dr. Alexandra Shapiro</i>    |
| <b>Room C</b> | <b>Yeongseo Son</b>                   | Inhibition of Neutrophil Elastase by the Bacterial Serine Protease Inhibitor Ecotin   | <i>Dr. Balazs Rada</i>          |
|               | <b>Aryan Thakur</b>                   | Uncovering the Role of Chromomethylase-3 in Gene Body Methylation using Neurospora Crassa   | <i>Dr. Robert J. Schmitz</i>    |
|               | <b>Andrew Mathias</b>                 | Developing an Early Diagnostic Biomarker for Parkinson's Disease Using Skin Samples   | <i>Dr. Anumantha Kanthasamy</i> |
| <b>Room D</b> | <b>Jonas David Andrulonis</b>         | Airpods, Everyday Aesthetics, and Subjective Well-Being   | <i>Dr. Aaron Meskin</i>         |
|               | <b>Emma Kay Ryals, Alyssa Dickson</b> | The Beauty of Plurality: The Designing of Genderless Clothing   | <i>Dr. Laura McAndrews</i>      |
|               | <b>Avery Scott</b>                    | Gender and Its Implications as a Fluctuating Construct Throughout the History of Ballet   | <i>Dr. Lisa Fusillo</i>         |
| <b>Room A</b> | <b>Natalie Marie Moss</b>             | Warfare at Kaman-Kalehöyük, Turkey: Isotopic Analysis of Burned Remains - Preliminary Data and Future Directions  | <i>Dr. Suzanne Pilaar Birch</i> |
|               | <b>Liza Watson</b>                    | Building Blocks: How Children Learn Subsistence and Spiritual Knowledge   | <i>Dr. Bram Tucker</i>          |
|               | <b>Ansley Warnock</b>                 | Correlation Between Mental Distress and Spirituality Related to Ancestral Veneration  | <i>Dr. Bram Tucker</i>          |
|               | <b>Daniella Di Carlo</b>              | Individual Differences in Arboreality in Western Gorillas   | <i>Dr. Roberta Salmi</i>        |

## Oral Session 8

Tuesday,  
2:20-3:35 p.m.  
*Athena Breakout Rooms*



|        |  |  |                                    |
|--------|--|--|------------------------------------|
| Room B | Logan Ledbetter  | Understanding the Situation: The Dynamic of Human Rights Violations in Ukraine                               | <i>Dr. Olga Thomason</i>           |
|        | Shelby Linton  | The Nature of the Supernatural and Paranormal: An Exploration through Russian and American Cartoons          | <i>Dr. Olga Thomason</i>           |
|        | Jessica Morgan Sobieski  | Questions of National and Cultural Differentiation in Central Asian States                                   | <i>Dr. Olga Thomason</i>           |
| Room C | Mary Stuart Herlihy  | Ketenimines as Diels–Alder Dienophiles   | <i>Dr. Christopher Newton</i>      |
|        | Widener Norris, Samuel Snyder  | The Kinetic Trapping of the Evasive Phosphatetrahedrane  | <i>Dr. Henry F. Schaefer</i>       |
|        | Audrey Violet Conner   | Computational Elucidation of Reactivity of bis-Silyloxyfurans with Ketenimines in the Diels-Alder Reaction   | <i>Dr. Steven Edge Wheeler</i>     |
|        | Justin Kim   | Crystallization of Serine Hydroxymethyltransferase from <i>Thermus thermophilus</i>                          | <i>Dr. Robert Stephen Phillips</i> |
| Room D | Caitlyn Miller   | Communicating Uncertain Science to the Public  | <i>Dr. Chelsea Bush</i>            |
|        | Noor Abdallah  | Picturing the Overturn of Roe V. Wade: An Analysis of Newsroom Instagram Photographs and their Photographers | <i>Dr. Andrea Hudson</i>           |
|        | Saba Alemayehu   | Examining the Effects of Virtual Psychological Ownership on Hurricane Risk Perceptions                       | <i>Dr. Sun Joo 'Grace' Ahn</i>     |
|        | Dylan Marie Lao  | Church Exploration   | <i>Dr. Christin Huggins</i>        |
| Room G | Rosalba Mazzotta   | Understanding the Combustion Chemistry of Biofuels   | <i>Dr. Brandon Rotavera</i>        |
|        | Joshua DeJongh   | Computational Fluid Dynamics Modeling of Jet-Stirred Reactors  | <i>Dr. Brandon Rotavera</i>        |
|        | Philip Albenice  | Chemical Kinetics Modeling of 2-methyltetrahydrofuran Combustion   | <i>Dr. Brandon Rotavera</i>        |
|        | Sakshi Gandikota, Nicholas Papciak, Parker Anderson, Paul Wang, Riley Elwood | Analysis of Worker Happiness Using Computer Vision Techniques  | <i>Dr. Jaime Camelio</i>           |

## Oral Session 9

Tuesday,  
3:55-5:10 p.m.  
Athena Breakout Rooms

|        |   |  |                                |
|--------|---|--|--------------------------------|
| Room H | <b>Rinisha Ramprakash</b>                       | Simulating Interactions with Lunar Rocks   | <i>Dr. Phillip C. Stancil</i>  |
|        | <b>Jared Ian Maller</b>                         | Physics Students' Use of the Taylor Series Approximation in Upper-Level Physics Courses  | <i>Dr. Craig Wiegert</i>       |
|        | <b>Catalina Macedo Giang</b>                    | A Black Spatial Imaginary: Footprints in the Urban South   | <i>Dr. Steven Holloway</i>     |
| Room A | <b>Jasmine Means</b>                            | Madwoman Circe   | <i>Dr. Danielle Bray</i>       |
|        | <b>Maggie Yarbrough</b>                         | "A Part of Her That Was Always Watching Her": Voyeurism and Feminine Adolescence in A Hat Full of Sky  | <i>Dr. Danielle Bray</i>       |
|        | <b>Ally Bonfield</b>                            | The Cruel Prince and the Enemies-to-Lovers Trope   | <i>Dr. Danielle Bray</i>       |
| Room B | <b>Risha Hegde</b>                              | The Efficacy of Psychedelics in the Reduction of Symptoms of Anxiety and Depression  | <i>Dr. Lillian T. Eby</i>      |
|        | <b>Alex Harvill,<br/>Jordyn Priester</b>        | A Content Analysis of Women in Families from Intersectional, Contextual, and Global Perspectives   | <i>Dr. J. Maria Bermudez</i>   |
|        | <b>America Garcia,<br/>Valery Huaman-Lozano</b> | A Heuristic Inquiry of Lazos Hispanos and the Effects of the COVID-19 Pandemic from the Community Health Workers/Promotoras' Lived Experiences | <i>Dr. J. Maria Bermudez</i>   |
| Room C | <b>Margaret Hart</b>                            | The Evolution of Agricultural Sectors in the Growth South: Agriculture to Agribusiness   | <i>Dr. Charles Bullock</i>     |
|        | <b>Harper Ann Moffett</b>                       | Health Equity in South Africa and the United States in the Age of the Pandemic: The Lingering Effects of Apartheid and Jim Crow                | <i>Dr. Markus Crepaz</i>       |
|        | <b>Sarah Quinn Kudyba,<br/>Cullen Giddens</b>   | The Acquisition of VAC Patterns by L2 English Learners from L1 Mandarin Chinese and L1 Japanese Backgrounds                                    | <i>Dr. Vera Lee-Schoenfeld</i> |
|        | <b>Savannah Jane Williams</b>                   | Creation of Pseudo-Names for Sound-Symbolic Perception Research  | <i>Dr. Margaret Renwick</i>    |
| Room D | <b>Lauren Elizabeth Moise</b>                   | Anti-Counterfeiting Technologies for the Luxury Fashion Sector: Benefits and Drawbacks   | <i>Dr. Katalin Medvedev</i>    |
|        | <b>Anya Shroff,<br/>Yanin Reinholz</b>          | Development of an In Vitro Model of Psoriasis  | <i>Dr. Vladimir Reukov</i>     |
|        | <b>Man Shah</b>                                 | Using a Plate-Based Approach to Test Toxicity of 1-HP on <i>C. elegans</i>   | <i>Dr. Arthur Edison</i>       |

## 2023 CURO Symposium Planning Committee

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**Patricia Hunt-Hurst**, Interim Associate Dean, Morehead Honors College  
**Rachel McDaniel**, Associate Director of Development, Morehead Honors College  
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**Andrea Silletti**, CURO Program Coordinator, Morehead Honors College

## Special Assistance for 2023 CURO Symposium and CURO Promising Scholars

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**Jamie L. Carson**, UGA Athletic Associate Professor in Public and International Affairs, School of Public and International Affairs  
**Mario Erasmo**, Department Head and Professor, Department of Classics, Franklin College of Arts and Sciences  
**Mark A. Farmer**, Professor, Department of Cellular Biology, Franklin College of Arts and Sciences  
**Brian Frost**, Director of the Professional I-O Psychology Master's Program, Department of Psychology, Franklin College of Arts and Sciences  
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**Robert Pazdro**, Associate Professor, Department of Nutritional Sciences, College of Family and Consumer Sciences  
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**Kora Burton**, Student Affairs Professional, Morehead Honors College  
**Stephanie Schupska**, Senior Communications Coordinator, Morehead Honors College  
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# Acknowledgments

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## Conveners and Additional Assistance for 2023 CURO Symposium

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