

2024

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Salisbury University  
Student Research  
Conference

12:30-7:30

April 19th 2024

Perdue Hall and  
Guerreri Academic  
Commons

Intent to Submit  
March 15th 2024

[salisbury.edu/susrc](http://salisbury.edu/susrc)

*22<sup>nd</sup> Annual Salisbury University  
Student Research Conference  
Friday, April 19<sup>th</sup>, 2024*

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## **Conference Outline**

### **Registration Oral Presentation**

**Session 1:** 1:30 p.m. – 2:50 p.m.

<b><u>Panel</u></b>	<b><u>Room</u></b>
A1	PH 151
B1	PH 156
C1	PH 275
D1	PH 274

### **Oral Research Presentations**

#### **Title**

**Chemistry and Exercise Science**  
**Biological Science I**  
**Education Leadership I**  
**Mathematics I and Economics**

**Session 2:** 3:00 p.m. – 4:20 p.m.

<b><u>Panel</u></b>	<b><u>Room</u></b>
A2	PH 151
B2	PH 156
C2	PH 275
D2	PH 274

### **Oral Research Presentations**

#### **Title**

**Communication and Political Science**  
**Biological Science II and Mathematics II**  
**Clarke Honors College I**  
**Education Leadership II**

**Session 3:** 4:30 p.m. – 5:50 p.m.

<b><u>Panel</u></b>	<b><u>Room</u></b>
A3	PH 151
B3	PH 156
C3	PH 275

### **Oral Research Presentations**

#### **Title**

**English**  
**History**  
**Clarke Honors College II**

### **Poster Presentation**

### **Guerrieri Academic Commons, 4<sup>th</sup> Floor Assembly Hall**

Welcome with Opening Remarks & Outstanding Research Mentor Award

**6:00 p.m. – 6:30 p.m.**

Poster Presentations & Refreshments

**6:30 p.m. – 7:30 p.m.**

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*The Registration & Information table will be open:*

*12:30 p.m. - 4:30 p.m. Perdue Hall Lobby*

*5:00 p.m. - 6:00 p.m. Guerrieri Academic Commons, 4<sup>th</sup> Floor Assembly Hall*

# **Registration   Perdue Hall Lobby   12:30 p.m.-4:30 p.m.**

(Presenters need to register one hour before their presentation session)

## **Information Table Volunteers:**

Pre-sessions (Perdue Hall): 12:30 p.m.-1:30 p.m.

*Claire Williams, Secondary & Physical Education*

*Thomas Lamey, Respiratory Therapy*

*Sang-Eon Park, Computer Science*

Session 1 (Perdue Hall): 1:30 p.m.-3:00 p.m.

*Thomas Lamey, Respiratory Therapy*

*Margarita Treuth, School of Health Sciences*

Session 2 (Perdue Hall): 3:00 p.m.-4:30 p.m.

*Katie Delezenski, SU Libraries*

*Cindy Gill, School of Health Sciences*

Session 3 (Perdue Hall): 4:30 p.m.-5:50 p.m.

*Jennifer Nyland, Biology*

*Dean Ravizza, Secondary & Physical Education*

## **I. Oral Presentation Sessions   Perdue Hall   1:30 p.m. - 5:45 p.m.**

### **Oral Session/Back-up Panel Moderators:**

#### **Oral Session 1 (Perdue Hall): 1:30 p.m.-2:50p.m.**

*Autumn Romanowski, Exercise Science*

*Elizabeth Emmert, Biology*

*Heidi Fritz, Psychology*

*Steve Hetzler, Math Sciences*

#### **Oral Session 2 (Perdue Hall): 3:00 p.m.-4:20p.m.**

*Alison Dewald, Chemistry*

*Ryan Sporer, Sociology*

*Erin Weber, SU Libraries*

*Viktoria Basham, Clarke Honors College*

#### **Oral Session 3 (Perdue Hall): 4:30 p.m.-5:50 p.m.**

*Michael McCarty, History*

*Christina Camillo, Medical Laboratory Science*

*Susan Mahoney, JDE Center for International Education*

## ▪ **First Oral Session**

**1:30 p.m. - 2:50 p.m.**

### **A1 Chemistry and Exercise Science**

*Moderator: Autumn Romanowski*

1:30-1:45 **Elucidating the Effect of the Metal Ion on the Spectroscopic Properties of Lake Pigments**  
Stefani Lanahan, Allyson Wagner, Julia Frankis  
Faculty Mentor: Jessica Heimann, Chemistry

1:50-2:05 **Exercise taper for improve performance**  
Sara Garzon  
Faculty Mentor: Scott Mazzetti, Exercise Science

### **B1 Biological Science I**

*Moderator: Elizabeth Emmert*

1:30-1:45 **Love is a Dangerous Game: An Analysis of Fine Scale Behaviors in Female Mate Choice**  
Marissa Carey, Lauren Knapp, Kimberly Armah, Giuliana Coco  
Faculty Mentors: Kimberly Hunter, Biological Sciences; Ryan Taylor, Biological Sciences

1:50-2:05 **From Diversity to Defense: Impact of VasX on Type VI Secretion System-dependent Interactions in *V. fischeri***  
Keira DeZerga, Riley Bozman, Alyson Schulze  
Faculty Mentor: Kirsten Guckes, Biological Sciences

2:10-2:25 **Aircraft Produced Sonic Booms and Marine Life, a Literature Review**  
Siddharth Ghosh  
Faculty Mentor: Noah Bressman, Biological Sciences

2:30-2:45 **Microclimates at SU: Investigating Temperature Variations**  
LeNora Preston, Molly Sahler, Elizabeth Murphy, Sanou Delia, Antonino Hicks  
Faculty Mentors: Kim Quillin, Biological Sciences; Mara Chen, Geography and Geosciences

### **C1 Education Leadership I**

*Moderator: Heidi Fritz*

1:30-1:45 **Advantages of Homemade or Hand Packed Trail Food and Food Sources**  
Emma Houle  
Faculty Mentor: Douglas DeWitt, Education Leadership

1:50-2:05 **Multiple Case Study of Exemplary Outdoor K-12 Schools**  
Grey Lee  
Faculty Mentor: Douglas DeWitt, Education Leadership

2:10-2:25 **Charm City Run: Running as a Community Builder**  
Alyssa Santoro  
Faculty Mentor: Douglas DeWitt, Education Leadership

2:30-2:45 **Personal Impact of a High Impact Outdoor Education Experience**  
Kendall Smith  
Faculty Mentor: Douglas DeWitt, Education Leadership

## D1 Mathematics I and Economics

*Moderator: Steve Hetzler*

1:30-1:45 **Using Ranking and Rating Methods to Predict Outcomes of the NCAA Men's Basketball March Madness Tournament**  
Harrison Colborne, Jacob Sample, Luke Scott  
Faculty Mentor: Lori Carmack, Mathematics

1:50-2:05 **A Combinatorics Formula for Type A Nonsymmetric Macdonald polynomials**  
Christopher Kotsifakis  
Faculty Mentor: Benjamin Goodberry, Mathematics

2:10-2:25 **Mental Health and the ACA Medicaid Expansion**  
Emily Shaeffer  
Faculty Mentor: Jiacheng Cai, Mathematics

2:30-2:45 **Analyze the effectiveness of the conventional monetary policy (i.e., interest-rate targeting). What are the main macroeconomic considerations that underlie the tug of war between interest-rate hike and interest-rate cut?**  
Zachary Harris, Darby Trout, Janelle Armstrong, Brianna Agwo, Joe Enfinger  
Faculty Mentor: Ying Wu, Economics

### ▪ **Second Oral Session**

**3:00 p.m. - 4:20 p.m.**

## A2 Communication and Political Science

*Moderator: Ryan Sporer*

3:00-3:15 **Rewriting the Script: SAG-AFTRA & WGA Strike For Increased Minimum Rate, Residuals, and AI Protection**  
Zoe Cardno  
Faculty Mentor: Joshua Bolton, Department of Communication

3:20-3:35 **The Adaptation of the American Family: How Jeff Franklin's Full House Normalizes Unconventional Family Situations**  
Georgia Foster  
Faculty Mentor: Michael Moeder, Department of Communication

3:40-3:55 **Deconstructing Gender Roles of "The Me Decade": An Analysis of How That '70s Show Portrays Gender Stereotypes**  
Sophia Smith  
Faculty Mentor: Michael Moeder, Department of Communication

4:00-4:15 **Dismantling the Myth: Barack Obama, the Election of 2008, and Post Racial America**  
Kieran Bethke  
Faculty Mentor: Michelle Fletcher, Political Science

## B2 Biological Science II and Mathematics II

*Moderator: Alison Dewald*

3:00-3:15 **Developmental dynamics of bone and behavior in hyperglycemic *Danio rerio***  
Brianna Esker  
Faculty Mentor: Jessica Clark, Academic Affairs

3:20-3:35 **The effects of Lavendustin-A on peripheral nerve degeneration and skeletal development in hyperglycemic zebrafish (Danio rerio)**  
Jane Simoncic  
 Faculty Mentor: Jessica Clark, Academic Affairs

3:40-3:55 **Modeling the Impact of Environmental Factors on US Suicide Rates by State: A Statistical Approach**  
Kyle Grant, Nikolai Vukov, Corey Phillips, Earl Detter, Carly Pfaff  
 Faculty Mentors: Veera Holdai, Mathematics; Mara Chen, Geography and Geosciences

4:00-4:15 **Using Neural Networks to Train Traffic and Pedestrian Detection Model**  
Alexander Mekovsky  
 Faculty Mentor: Donald Spickler, Mathematics

## C2 Clarke Honors College I

*Moderator: Viktoria Basham*

3:00-3:15 **A Digital Recipe for Success: How Camden Avenue Farmers Market Can Prosper by Adopting a Website**  
Mallory Bell  
 Faculty Mentor: Viktoria Basham, Clarke Honors College

3:20-3:35 **Witches and Women: Foils and Their Significance in Shakespeare's Macbeth**  
Paige Currie  
 Faculty Mentor: Viktoria Basham, Clarke Honors College

3:40-3:55 **Post-Captivity PTSD: The Hidden Enemy in America's Bravest**  
Michael Greco  
 Faculty Mentor: Lauren Hill, Clarke Honors College

4:00-4:15 **Church & State: Christian Nationalism and Modern-Day Drag Queen Witch Hunts**  
Jasmine Justice  
 Faculty Mentor: Viktoria Basham, Clarke Honors College

## D2 Education Leadership II

*Moderator: Erin Weber*

3:00-3:15 **Does Being Active in the Outdoors Positively Affect Work Efficiency and Teamwork?**  
Brian Griffiths  
 Faculty Mentor: Douglas DeWitt, Education Leadership

3:20-3:35 **Does Hiking and Outdoor Activity Have a Positive Effect on Mental Health?**  
Jacob Hales  
 Faculty Mentor: Douglas DeWitt, Education Leadership

3:40-3:55 **The Impact of Pollution on the Coral Reef in the Florida Keys**  
Jason Holt  
 Faculty Mentor: Douglas DeWitt, Education Leadership

4:00-4:15 **Does the Height of Waves have an Effect on the Strength of Rip Currents?**  
Joseph Hood  
Faculty Mentor: Douglas DeWitt, Education Leadership

■ ***Third Oral Session*** ***4:30 p.m. - 5:50 p.m.***

**A3 English**

*Moderator: Christina Camillo*

4:30-4:45 **Speculative Biology: Cryptids of the New World**  
Catherine Sylvain  
Faculty Mentor: Ryan Habermeyer, English

4:50-5:05 **After Life (1998): The Irony of Transience**  
Justin Thomas  
Faculty Mentor: Elsie Walker, English

**B3 History**

*Moderator: Michael McCarty*

4:30-4:45 **The Morningstar: From the Witches to the Priests**  
Jennifer Greene  
Faculty Mentor: Elizabeth Ragan, History

4:50-5:05 **Machine Learning in Archaeology: Transforming Data Analysis and Discovery**  
Maxwell Gundling  
Faculty Mentor: Elizabeth Ragan, History

5:10-5:25 **'Justice Comes So Slowly'; Latine immigration and labor on the Delmarva Peninsula**  
Scott Stohlman  
Faculty Mentor: Emily Story, History

**C3 Clarke Honors College II**

*Moderator: Susan Mahoney*

4:30-4:45 **AI Responsibility and Ethics: An Urgent Call for Mandatory Ethics Training**  
Aidan Levy  
Faculty Mentor: Lauren Hill, Clarke Honors College

4:50-5:05 **Cats, Witches, and Demons: The Role of the Animal Familiar in the English Witch Trials**  
Lydia Loftus  
Faculty Mentor: Viktoria Basham, Clarke Honors College

5:10-5:25 **Is Inspiration Ethical? An Exploration of Cultural Appropriation in Art and Media**  
Willow Nyland  
Faculty Mentor: Viktoria Basham, Clarke Honors College

5:30-5:45 **Preventing K-12 School Shootings: Training Educators to Recognize Warning Signs in Students**  
Allison Yeager  
Faculty Mentor: Viktoria Basham, Clarke Honors College

## **II. Welcome with Opening Remarks 6:00 p.m. - 6:30 p.m.**

### **Guerrieri Academic Commons, 4<sup>th</sup> Floor Assembly Hall**

Welcoming and opening remarks from Dr. Sherry Maykrantz (*chair of SUSRC*), Dr. Carolyn Ringer Lepre (*President*), Dr. Laurie Couch (*Provost and Vice President of Academic Affairs*), and Dr. Clifton Griffin (*Dean of Graduate Studies & Research*). Winners of the SUSRC Poster Design and Outstanding Research Mentor Award will be announced.

## **III. Poster Presentation Session 6:30 p.m. - 7:30 p.m.**

### **Guerrieri Academic Commons, 4<sup>th</sup> Floor Assembly Hall**

#### **Information Table Volunteer**

*Martin Hunter, Office of the Registrar*

#### **Poster Room Set-up Volunteers**

*James Parrigin, SU Libraries*

*Kwon Jeon, Public Health*

*Martin Hunter, Office of the Registrar*

### **Poster Presentations**

1. **Diet Preferences of Dung Beetles (Coleoptera: Scarabaeidae and Geotrupidae) and the Potential Mammal-Dung Beetle Associations**  
Kendall Beauchamp  
Faculty Mentor: Dana Price, Biological Sciences
2. **Beyond the Melody: Exploring the correlation between the size of the nucleus taeniae and social behavior in songbirds.**  
Sara Alessandrini  
Faculty Mentor: Jeremy Corfield, Biological Sciences
3. **Scarab Biodiversity in Urban Green Spaces: An Urban Campus and Park in Salisbury, Maryland**  
Philip Becnel  
Faculty Mentor: Dana Price, Biological Sciences
4. **Fast and Feathery: Comparison of brain development in specialized vs unspecialized birds**  
Faith Casamento, Reagan Angle  
Faculty Mentor: Jeremy Corfield, Biological Sciences
5. **Age Assessment of the SU Skeletal Collection subadult remains**  
Emily Challender  
Faculty Mentor: Susanne Daly, Biological Sciences
6. **Mixing Science and Art: Documenting, Scanning, and Preserving Human Remains**  
Kate Riley, Natasha Herlinger, Melinda Adams  
Faculty Mentor: Susanne Daly, Biological Sciences

7. **Probabilistic reversal learning capacity in the southern flying squirrel**  
Katie Ekhholm  
Faculty Mentor: Angela Freeman, Biological Sciences
8. **The impacts of bleaching on predator *Berghia stephanieae***  
Jenna Estok  
Faculty Mentor: Christina Bradley, Biological Sciences
9. **It's a Bird Eat Bird World: Potential Differences in Diets of Red vs Gray Eastern Screech Owls (*Megascops asio*)**  
Lillian Fooks  
Faculty Mentor: Eric Liebgold, Biological Sciences
10. **Secrets of the Squirrels in the Sky: How the Moon Shapes Flying Squirrels' Behavior**  
Ashley Gernert  
Faculty Mentor: Angela Freeman, Biological Sciences
11. **Combating ESKAPE Pathogens using Antibiotics from Salisbury Soil**  
Phuong Huynh, Olivia Ingrao  
Faculty Mentor: Elizabeth Emmert, Biological Sciences
12. **The Deception of House Wrens: How Cuteness Hides Destruction**  
Jenna Luka, Malone Dampier  
Faculty Mentor: Jeremy Corfield, Biological Sciences
13. **Human Microbial Indicators in Septic Soil**  
Christopher Machalek  
Faculty Mentor: Elizabeth Emmert, Biological Sciences
14. **Chlorpyrifos detection in soil, fur and tissue samples and its neuroendocrine disrupting implications for wild populations of Southern Flying Squirrels**  
Kelly Mitzel  
Faculty Mentors: Angela Freeman, Biological Sciences; Joshua Sokoloski, Chemistry
15. **Hoo Cares About Size? Using Foot Size to Determine Sex in Eastern Screech Owls (*Megascops asio*)**  
Julianna Morano, Alice Pritchard, Grant Steer, Alexandra Lipinski  
Faculty Mentor: Eric Liebgold, Biological Sciences
16. **Reconstructing Identity: Creating Biological Profiles with the Salisbury University Human Skeletal Collection**  
Sophie Nagy, Menat-Allah Elgaddar, Phuong Huynh  
Faculty Mentor: Susanne Daly, Biological Sciences
17. **You are what you eat: Annual Stable Isotope Analysis of Blue Catfish**  
Constantine Powers  
Faculty Mentor: Noah Bressman, Biological Sciences

**18. Comparing Epidermal Mucus Viscosity of Local Fish Species**

Madison Raimondi

Faculty Mentor: Noah Bressman, Biological Sciences

**19. Ultraviolet reflectance and fluorescence in flying squirrels for mate choice**

Meghan Reed

Faculty Mentor: Angela Freeman, Biological Sciences

**20. Water Quality: The Basis for Marine Health**

Jessica Reider

Faculty Mentor: Jennifer Nyland, Biological Sciences

**21. Mycodiversity of the Nassawango Creek Preserve**

Shawn Rosengren

Faculty Mentor: Richard Wilkens, Biological Sciences

**22. To What Depths Will Endangered Spotted Turtles Go? The Effect of Sex and Injuries**

Weston Schoellkopf, Jenna Luka, Alice Pritchard, Tyler Saneman, Benjamin Houser

Faculty Mentor: Eric Liegold, Biological Sciences

**23. The Role of Duf1 in Programmed Cell Death in Yeast**

Ashlyn Shoemaker

Faculty Mentor: Les Erickson, Biological Sciences

**24. Does Hypoxia Influence Zooplankton Composition and Feeding Behavior of Bay Anchovies in the Chesapeake Bay: A ZooBooth and Stable Isotope Paired Analysis**

Paige Sprout, Meghan Jones

Faculty Mentor: Christina Bradley, Biological Sciences

**25. ABO and Rhesus Blood Groups and the Genetics Behind Disease Inheritance**

Elizabeth Wash

Faculty Mentor: Jennifer Nyland, Biological Sciences

**26. Evaluating the impacts of near-shore land usage on aquatic nutrient profiles**

Ellie Welsh

Faculty Mentors: Jennifer Nyland, Biological Sciences; Christina Bradley, Biological Sciences

**27. Targeting Tumor-Associated Molecules with Nucleic Acid and Peptide Probes for Imaging and Ablation**

Min Thway Khant, HsiangKun Shih

Faculty Mentor: Joshua Sokoloski, Chemistry

**28. De Novo Synthesis of Nuciferine (Lotus Leaf Derivative)**

Gabriele Miksa, Andrew Downey

Faculty Mentor: Stephen Habay, Chemistry

**29. Determination and Optimization of Interval-Based Multivariate Linear Regression Models**

Mackenzie Tallant

Faculty Mentor: Robert Luttrell, Chemistry

**30. MRI Contrast Agents: Humane Alternatives in Cancer Treatment**

Daniella Weinstein

Faculty Mentor: Seth Friese, Chemistry

**31. Self-Harm and Tattooing Among Women: Creating a Safe, Inclusive, and Empowering Environment through an Educational Pamphlet**

Tessah Good

Faculty Mentor: Viktoria Basham, Clarke Honors College

**32. Skinny, Successful, and Happy: The Association Between Women's Body Image and Behavior**

Syd Jett

Faculty Mentor: Viktoria Basham, Clarke Honors College

**33. TikTok and College Students: An Ideal Marketing Strategy for the Wicomico Humane Society**

Kristal Racco

Faculty Mentor: Lauren Hill, Clarke Honors College

**34. The Princess Paradox: Addressing Misrepresentation of Native American Women in Media**

Kade Richardson

Faculty Mentor: Viktoria Basham, Clarke Honors College

**35. Accounting and Ethics: Education to Help Reduce Fraud**

Liliana Tooman

Faculty Mentor: Lauren Hill, Clarke Honors College

**36. Postural Orthostatic Tachycardia Syndrome in Universities: The Importance of Improving Access to Accommodations**

Mackenzie Wheelock

Faculty Mentor: Lauren Hill, Clarke Honors College

**37. Exploration of Hidden Gender Bias Within Large-Language Models**

Lilly Ngo

Faculty Mentor: Xiaohong Wang, Computer Science

**38. Seeing Salinity: A Visual Analysis of Salt Contamination in the Chesapeake Bay Area**

Vincent Pham, Nicholas Gammel, Will Lamuth

Faculty Mentors: Shuangquan Wang, Computer Science; Xiaohong Wang, Computer Science

**39. The Impact of Cushing's Disease On Horses**

Mazie Brinker

Faculty Mentor: Douglas DeWitt, Education Leadership

**40. Potential for the use of Outdoor Education and Adventure Therapy Activities in Grief Therapy**

Kirby Brown

Faculty Mentor: Douglas DeWitt, Education Leadership

**41. Effective Challenge Course Program: Beyond The Limits**

Kevin Dietrich

Faculty Mentor: Douglas DeWitt, Education Leadership

**42. Effective Water Purification in the Wilderness**

Isabella Jordan

Faculty Mentor: Douglas DeWitt, Education Leadership

**43. The negative impacts of invasive species on the Chesapeake Bay**

Ryleigh Jordan

Faculty Mentor: Douglas DeWitt, Education Leadership

**44. The Effect of Outdoor Education Experience on Young Adults**

Eugenia Levin

Faculty Mentor: Douglas DeWitt, Education Leadership

**45. Environmental Effects of Species Management**

Ethan Strain

Faculty Mentor: Douglas DeWitt, Education Leadership

**46. Exploring Effective Wilderness Therapy Program: A Qualitative Case Study Analysis**

Madison Bunce

Faculty Mentor: Douglas DeWitt, Education Leadership

**47. The Heat is On: Reptilian and Amphibian Responses to a Prescribed Burn at Nassawango Creek Preserve**

Paula Smith, Alyssa Santoro

Faculty Mentor: Tami Ransom, Environmental Studies

**48. Shell Shock: Unveiling Spotted Turtle Predators through Printed Prey Ploys**

Micaela Upton, Maya Feick

Faculty Mentor: Tami Ransom, Environmental Studies

**49. Herpetological Survey on Poplar Island, Maryland**

Noah Michael White, Cody Piovesan, Paige Sprout, Garrett Shupe

Faculty Mentor: Tami Ransom, Environmental Studies

**50. Collegiate Recreation Awareness and Constraints**

Kelly Cowger

Faculty Mentor: Zachary Townsend, Exercise Science

**51. A Literature Review: Exercise and the Menstrual Cycle in Recreationally Active Women**

Carly Galbraith

Faculty Mentors: Zachary Townsend, Exercise Science; Autumn Romanowski, Exercise Science

**52. The Acute Effects of Blood Flow Restrictive Bicep Curl Exercise on Arterial Stiffness - A Pilot Study**

Lucas Kuriawa

Faculty Mentor: Tim Werner, Exercise Science

**53. Comparison of Y-Balance Test and Star Excursion Balance Test**

Grace Levy

Faculty Mentor: Zachary Townsend, Exercise Science

**54. Effectiveness of Ultrasound Therapy and Dry Needling on Pain Management in Patients with Musculoskeletal Conditions.**

Logan Rohde, Mark Weedon, Mackenzie Leonard

Faculty Mentor: Zachary Townsend, Exercise Science

**55. Effects of Upper and Lower Body Blood Flow Restriction Training on Rating Perceived Exertion and Discomfort**

Campbell Ruffhead

Faculty Mentor: Tim Werner, Exercise Science

**56. Mills Ponds: A Seasonal Baseline of Bathymetry and Water Quality**

David Bair, Keaghan Muller

Faculty Mentor: Thomas Cawthern, Geography and Geosciences

**57. "The Analysis of a Sediment Core from Nassawango Creek"**

Rachel Keim, Andrew Downey, Aerin Rost-Nasshan

Faculty Mentor: Brent Zaprowski, Geography and Geosciences

**58. Land Cover Change on the Delmarva Peninsula From 1995 to Present Day**

Connor Lewandowski

Faculty Mentors: Arthur Lembo, Geography and Geosciences; Mara Chen, Geography and Geosciences

**59. The Ukrainian War's effects on Ukrainian agriculture and exports**

Konrad Nabakowski

Faculty Mentor: Arthur Lembo, Geography and Geosciences

**60. Quantifying urban sprawl in rural communities between 2000 - 2020: an analysis of Hagerstown and Frederick**

Elliot Petty

Faculty Mentor: Arthur Lembo, Geography and Geosciences

**61. A statistical analysis for the spatial correlation of carjackings in the Baltimore Metropolitan Region with considerations for traffic control signals and other socio-economic variables.**

Colin Planta

Faculty Mentor: Arthur Lembo, Geography and Geosciences

**62. Applying Programming and Algorithms to the Snowplow Routing Problem, Case Study: Baltimore County, Maryland**

Alec Velleggia

Faculty Mentor: Arthur Lembo, Geography and Geosciences

**63. A study of the impacts of a newly constructed breakwater system on Selsey Beach, Maryland**

Haley Vest

Faculty Mentor: Brent Zaprowski, Geography and Geosciences

**64. Leadership in Maryland's Higher Education: Positions of Women in Leadership**

Caitlin Munson

Faculty Mentor: Kara French, History

**65. Expansion upon Food for the Flock- Fighting the Stigma Against Food Insecurity**

Lydia Lyons

Faculty Mentor: Laura Anderson, Information Systems and Operations Management

**66. NFL Youth Flag Football Program**

Aslynn Gorkos, Aidan Stanislavsky, Danny Whiddon, Josh Adey

Faculty Mentor: Ryan Weaver, Interdisciplinary Studies

**67. Road Safety Research on the Westside of Salisbury**

Andersen Herman, LaMaree James, Stephora Cesar Alberi

Faculty Mentor: Ryan Weaver, Interdisciplinary Studies

**68. Period Power Project**

Lian Peach, Maggie Atherton, Abigail Potter

Faculty Mentor: Ryan Weaver, Interdisciplinary Studies

**69. Developing a Sonication Method for Dynamic Astronomical Content to Provide Valuable Insight and Accessibility**

Urjit Chakraborty

Faculty Mentor: Randall E. Cone, Mathematics

**70. Monte Carlo Simulation of Candlestick Patterns for Predictive Analysis**

Sarah Chambers, Muhammad Abdullah

Faculty Mentor: Lori Carmack, Mathematics

**71. Zero locations and Growth Rate Dimensions for Non-Zero Elements in Cellular Automata**

Nikolai Vukov, Dylan Williams, Brian Keenan, Abigail Pierson, Lilly Ngo

Faculty Mentor: Michael Bardzell, Mathematics

**72. The Visualization of Sounds**

Luke Zolenski, Kyle Tranfaglia

Faculty Mentor: Donald Spickler, Mathematics

**73. College Students and Blood Donations: What are Contributing Factors and Barriers for Students to Donate Blood?**

Deltaya Thibeau

Faculty Mentor: Christina Camillo, Medical Laboratory Science

**74. DLA with Electric Fields**

Gage Myer

Faculty Mentor: Gail Welsh, Physics

**75. Gaming, Streaming, and Mortality Salience During COVID-19 Lockdown**

Delaney Bartosz, Catherine Milligan, Jacqueline Tippett

Faculty Mentor: Meredith Patterson, Psychology

**76. Shaping the obituary narrative: Does she, he, or they bring gendered perspectives to life?**

Madilyn Drury, Katherine Bretz, Morgan Pilla, Coale Lenox, Hannah Thompson

Faculty Mentor: Thomas Tomcho, Psychology

77. **The Impact of In-Person vs. Online Learning Environments on Children's Memory**  
Shay Grieser, Sara Sellers, Willow Nyland  
Faculty Mentor: Rhyannon Bemis, Psychology

78. **Emotional Regulation and Memory techniques from teachers perspective**  
Hannah Louden  
Faculty Mentor: Echo Leaver, Psychology

79. **Predicting Rape Victim Empathy Among Lesbian, Bisexual, Asexual, and Heterosexual College Women.**  
Colleen McCann  
Faculty Mentor: Suzanne Osman, Psychology

80. **The Relationship Between Sports and Cognition**  
Catherine Milligan  
Faculty Mentor: Echo Leaver, Psychology

81. **Details Matter: Are Psychologists and Other Scientists Lives More Than The Work They Did?**  
Hannah Thompson, Morgan Pilla, Coale Lenox, Katherine Bretz, Madilyn Drury  
Faculty Mentor: Thomas Tomcho, Psychology

82. **From Prescription to Problem: Opioid Misuse Among University Students**  
Kimberly Armah  
Faculty Mentor: Sherry Maykrantz, Public Health

83. **Analyzing the Efficacy of Public School Mental Health Systems**  
Eliza Hurd  
Faculty Mentor: Sherry Maykrantz, Public Health

84. **Elementary Civics Lesson**  
Anna Miller, Emily Nichols  
Faculty Mentor: Alexander Pope IV, Secondary and Physical Education

85. **The effects of roommate relationships on mental health and academic outcomes among undergraduate students**  
Riley Dombrowsky, Katy Musse, Kyarah Pete  
Faculty Mentor: Rachel Buchanan, Social Work

86. **The Impact of Roommate Relationships on College Students: A Qualitative Analysis**  
Jolie Jones, Alex Slovikosky, Kyarah Pete  
Faculty Mentor: Rachel Buchanan, Social Work

87. **Siblings Raising Siblings: A Mixed-Methods Study**  
Heather Sikora  
Faculty Mentor: Amanda Hill, Social Work

## **IV. Outstanding Research Mentor Award**

The Salisbury University Student Research Conference Committee is pleased to announce the Outstanding Research Mentor Award at the poster session to be held from 6:00-7:30pm in Academic Commons (4th Floor Assembly Hall). This award celebrates faculty mentors who have proven excellent supervisors of student research or creative work.

### **The 2024 Outstanding Research Mentor Award Nominees are:**

*Dr. Noah Bressman, Biological Sciences*  
*Dr. Echo Leaver, Psychology*  
*Dr. Enyue (Annie) Lu, Computer Science*  
*Dr. Katherine Miller, Chemistry*  
*Ryan Weaver, Interdisciplinary Studies*

## **V. Outstanding Student Research**

Salisbury University's commitment to student research is evident in both the number and quality of the presentations at our annual student research conference. However, many of our students are being recognized for their work in off-campus settings. The following are highlights from Salisbury University students during the last year.

### **Student Publications:**

Kieran Bethke published "An Examination of Sustainability Initiatives in Salisbury from HONR 311." In the United Nations Regional Centre of Expertise Report

Jeffrey Dean published "Social Abundance in the Post-Covid First-Year Composition Classroom: using collaborative learning practices to reduce social anxiety in students"

Siddharth Ghosh published "Aircraft-Produced Sonic Booms and Marine Life" in the Journal of Student Research- High School Edition

Tieryn Gingerich published "Incapacitated and/or Forceable Rape Experience Predicting College Women's Rape Victim Empathy" in the journal Violence Against Women

Kellee Toler published "Neurodivergence in the Synchronous Writing Center: Technology as Accommodation"

### **Student Publications in *Laridae*:**

Kieran Bethke published "Barack Obama, the Election of 2008, and Post-racial America: Conservative Myth or Fact?" in *Laridae*, 5<sup>th</sup> Edition, Fall 2023

Makayla Bounds published "For the Birds" in *Laridae*, 5<sup>th</sup> Edition, Fall 2023

Lauren Catarinae published "Self-Sufficiency" in *Laridae*, 5<sup>th</sup> Edition, Fall 2023

Ryan Chandler published "You Are Not Forgotten" Crafting a Theological-Political Myth" in *Laridae*, 5<sup>th</sup> Edition, Fall 2023

Ryan L. Devine published “Policy and LGBTQ+ Youth in the K-12 Public Education System: An Interdisciplinary Analysis Using the Minority Stress Model” in *Laridae*, 5<sup>th</sup> Edition, Fall 2023

Katie Guevara published “Stemming Solutions to the Depreciation of Botany: Interactions of Plants and Mental Health in Garden Therapy” in *Laridae*, 5<sup>th</sup> Edition, Fall 2023

Kate Gerlus published “Parental Distress after NICU Discharge: Resilience through Music Therapy Intervention” in *Laridae*, 5<sup>th</sup> Edition, Fall 2023

Amy Kessler published “Combating Cultural Miscommunication: Strategies for an Equitable Elementary Classroom Environment” in *Laridae*, 5<sup>th</sup> Edition, Fall 2023

Joseph Kim published “Supervised Learning of Cancer Types Using Gene Copy Numbers” in *Laridae*, 5<sup>th</sup> Edition, Fall 2023

Catherine Milligan and Aman Shahzad published “Headstrong: Analyzing the Correlations between Sub-Concussive Head Injury and Balance, Depression, and Cognition in Collision and Contact Sports” in *Laridae*, 5<sup>th</sup> Edition, Fall 2023

Connor Morningred published “Examining Septic Tank Pollution in Eastern Shore Waterways through Evaluation of Optical Brighteners” in *Laridae*, 5<sup>th</sup> Edition, Fall 2023

Henna Parmar published “Polynomial Projection Models for New COVID-19 Cases in the Months of May-August 2020” in *Laridae*, 5<sup>th</sup> Edition, Fall 2023

Samantha Peters and Julia Frankis published “Trace Metal Concentration in Sediment from Two Chesapeake Bay Tributaries, the Wicomico and Nanticoke Rivers” in *Laridae*, 5<sup>th</sup> Edition, Fall 2023

Lian Peach published “Storylines of Success: Weaving Narratives to Close the Gender Gap in STEM Fields” in *Laridae*, 5<sup>th</sup> Edition, Fall 2023

Daijah Richardson published “Untitled, Fragmentation” in *Laridae*, 5<sup>th</sup> Edition, Fall 2023

Sophia Smith published “How that '70s Show Portrays Gender Stereotypes” in *Laridae*, 5<sup>th</sup> Edition, Fall 2023

Samantha Somers published “Lighthouse Architecture and Climate Change: Why FEMA should investigate using Lighthouse Architecture to Fortify Coastal Communities” in *Laridae*, 5<sup>th</sup> Edition, Fall 2023

Elizabeth A. Wash, Hayden Davis, and River Myer published “Accessible Public Restroom in Downtown Salisbury” in *Laridae*, 5<sup>th</sup> Edition, Fall 2023

Daniella Weinstein published “Nursing Homes During COVID-19: How Better Working Conditions for Staff Can Improve the Well-Being of Residents” in *Laridae*, 5<sup>th</sup> Edition, Fall 2023

## **Student Presentations at the National Conference on Undergraduate Research:**

Julia Frankis presented “Distribution of Sediment Containing Zinc, Copper, and Lead Trace Metals in the Lower Susquehanna River” at the National Conference on Undergraduate Research, April 2024

Danielle Jensen presented “Geometric Distribution of Order r” at the National Conference on Undergraduate Research, April 2024

Hannah Lynch presented “The Acute Effects of Blood Flow Restrictive Bicep Curl Exercise on Arterial Stiffness-Pilot Study” at the National Conference on Undergraduate Research, April 2024

Lian Peach presented “Period Power: Addressing Period Poverty in Wicomico County-Presidential Citizen Scholars” at the National Conference on Undergraduate Research, April 2024

Meghan Reed presented “UV Reflectance and Fluorescence in Flying Squirrels for Mate Choice” at the National Conference on Undergraduate Research, April 2024

Jessica Reider presented “Water Quality: The Basis for Marine Health” at the National Conference on Undergraduate Research, April 2024

Jane Simoncic presented “The effects of Lavendustin-A on peripheral nerve degeneration and skeletal development in hyperglycemic zebrafish (*Danio rerio*)” at the National Conference on Undergraduate Research, April 2024

Megan Spicer presented “Synthesis and Characterization of Fe (II) Terpyridine Complexes that Show Temperature Dependent Spin Crossover” at the National Conference on Undergraduate Research, April 2024

### **Student Presentations at Posters on the Bay:**

Wren Adkins presented “Synthesis and Characterization of Fe(II) Complexes Exhibiting Temperature Dependent Spin Transition” at the Seventh Annual Posters on the Bay, February 2024

Brian Bowers, Bryan Yoder, Mark Schweitzer, Isaac Dugan, and John Meyers presented “bathmap.net” at the Seventh Annual Posters on the Bay, February 2024

Madison Cuthbert presented “Government Warnings and Local Knowledge: The Case of the Plymouth Tubing Company Factory” at the Seventh Annual Posters on the Bay, February 2024

Lillian Fooks presented “It is a Bird Eat Bird World: Potential Differences in Diets of Red vs Grey Eastern Screech Owls (*Megascops asio*)” at the Seventh Annual Posters on the Bay, February 2024

Siddharth Ghosh presented “Effects of Aircraft Produced Sonic Booms on Marine Life” at the Seventh Annual Posters on the Bay, February 2024

Stefani Lanahan presented “Determining the Relationship Between Shape and Charge in Electrospray Ionization” at the Seventh Annual Posters on the Bay, February 2024

Dominick Lepke presented “Project Decentralized Reporting Standards” at the Seventh Annual Posters on the Bay, February 2024

LaMaree James, Stephora Cesar Alberi, and Andersen Herman presented “Road Safety on the West Side of Salisbury” at the Seventh Annual Posters on the Bay, February 2024

Sydney Jett Herman presented “Skinniness and Success: The Media’s Promotion of Body Image and Behavior” at the Seventh Annual Posters on the Bay, February 2024

Makenzie Kennedy, Richard Brown, Peyton Rayne, and Hannah Bertholdt presented “Forget-Me-Nots” at the Seventh Annual Posters on the Bay, February 2024

Logan Lankford presented “Post Pandemic Innovations: Closing the Gap in Children’s Social-Emotional Learning Through Creative Arts ” at the Seventh Annual Posters on the Bay, February 2024

Lian Peach, Abigail Potter, and Margaret Atherton presented “Presidential Citizen Scholars: Period Power” at the Seventh Annual Posters on the Bay, February 2024

Abigail Potter presented “Contraceptive Access in Lower Eastern Shore MD” at the Seventh Annual Posters on the Bay, February 2024

Nero Schrader presented “Homeless Job Fair” at the Seventh Annual Posters on the Bay, February 2024

Jane Simoncic presented “The Effects of Lavendustin-A on Peripheral Nerve Degeneration in Hyperglycemic Zebrafish (Danio rerio)” at the Seventh Annual Posters on the Bay, February 2024

Emma Tarquinio, Bryce Machalek, and Charles Laird presented “Bioremediation of Urban Runoff at BISM” at the Seventh Annual Posters on the Bay, February 2024

Veronica Velarde “Influential Factors of Physical Activity: A Comparison of Three Different Universities” at the Seventh Annual Posters on the Bay, February 2024

Jarrett Walton “Policies of the Tudor Court: The Change and Development in Policy Under Henry VII and Henry VIII from 1500-1532” at the Seventh Annual Posters on the Bay, February 2024

Elizabeth Wash, Hayden Davis, and River Myer “Accessible Public Restroom in Downtown Salisbury” at the Seventh Annual Posters on the Bay, February 2024

Daniel Whiddon, Aslynn Gorkos, Aidan Stanislavsky, and Joshua Adey “Flag Football in West Salisbury” at the Seventh Annual Posters on the Bay, February 2024

Luke Zolenski “Visualization of Sound” at the Seventh Annual Posters on the Bay, February 2024

Sean Zupnik “Effects of Blood Flow Restrictive Bicep Curl Exercise on Arterial Stiffness” at the Seventh Annual Posters on the Bay, February 2024

## **Student Presentations at the Summer Student Research Showcase:**

Willxi Alvarez presented “Is COVID-19 Causing a Shift in Socioemotional Goals in Younger and Older Adults?” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Connor Bean and Caleb Shank presented “On Curve Neighborhoods” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Kendall Beauchamp presented “Diet Preferences of Dung Beetles (Coleoptera: Scarabaeidae and Geotrupidae) and the Potential Mammal-Beetle Associations” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Philip Becnel presented “Scarab Biodiversity in Urban Environments” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Blake Brown presented “Blue Catfish (*Ictalurus furcatus*) Skull Morphology Over Ontology in the Nanticoke River” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Rochelle Brown presented “Exploration and Knowledge of Qualitative Research” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Megan M. Card presented “The Media and Gun Violence” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Stephora Cesar-Alberi presented “Parallelizing the Stable Matching Problem” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Lily Christiana presented “Care and Consciousness: Environmental Philosophies” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Kalyn Ciriaco presented “Conformity to Masculine Norms at Salisbury University” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Rebekah Davis-Slade presented “An Exploration of U.S. School Library Media Specialists’ Beliefs About and Implementation of Culturally Responsive Teaching” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Jeff Dean presented “Group Selfies, Post-Covid Social Anxiety, and Classroom Community in a First-Year Writing Classroom” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Brianna Esker presented “Hyperglycemia Impacts the Critical Period Necessary for Normal Vertebral Development in *Danio rerio*” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Jenna Estok presented “Developing a Lab-Based Rearing Protocol for *Berghia stephanieae*” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Saya Fernandes presented “Gaining Insights on Race Through Qualitative Research” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Lillian Fooks presented “It is a Bird Eat Bird World: Potential Differences in Diets of Red vs Grey Eastern Screech Owls” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Jeromy Green presented “Importance of Marshes for Bat Foraging Habitat and Diversity” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Danielle Jensen presented “Geometric Distribution of Order r” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Min Thway Khant presented “Strengthening p53 Structural Stability Through Ligand Binding Interactions for Tumor Imaging and Ablation” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Andrew King and Justin Malloy presented “Teaching Astronomy Topics via Astrophotography at a Low Learning Level” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Alexandra Lipinski presented “SU’s Bird Garden: Creating an Educational, Bird-Focused Garden for Campus and Community Involvement” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Hannah Louden presented “Mindfulness Breaks and their Effect on Memory Retention and Testing Anxiety in Children” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Catherine Milligan presented “Headstrong: Analyzing the Correlations between Sub-Concussive Head Injury and Balance, Depression, and Cognition in Collision and Contact Sports” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Anna Martindill presented “Life Experiences of Emerging adults: an Interview Study” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Joanna Mason presented “My Learning of Qualitative Research and Racial Dialogues” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Virginia Murray presented “Impacts of Hyperglycemia on Optic Nerve Integrity in Larval Zebrafish” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Corey Philips presented “Exploring the DEI of High School Robotics Programs” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Samuel Pincus presented “Morphometric Analysis of Blue Crab (*Callinectes sapidus*) Growth in Optimal and Increased Alkaline Conditions” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Patricia E. Rainer presented “’We are Trying to Understand:’ Exploring the English Literacy Development of Linguistically Diverse Sixth Grader Readers Using Retrospective Miscue Analysis” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Korbin Reynolds presented “How a Sensory Complex Multi-Modal Environment Can Lead to Maladaptive Decision Making in the Tungara Frog in Panama” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Eve Watsky presented “The Return of Insect Diversity to Poplar Island, a Restored Marsh Habitat” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Ellie Welsh presented “Evaluating the Impacts of Near-Shore Land Usage on Aquatic Nutrient Profiles” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Hunter Whitt presented “Accommodation Time: How Accommodations are Understood in College Classrooms” at the Annual Salisbury University Summer Student Research Showcase, September 2023

Jordyn Young presented “How Does Lynx canadensis' Environment Affect Fecal Cortisol Metabolites” at the Annual Salisbury University Summer Student Research Showcase, September 2023

### **Student Fellowships:**

Stephora Alberi is an alternate for the DAAD-RISE to intern in Germany

Ashlynn Burrows is a finalist for the Rhodes Scholarship to Study at Oxford

Ashlynn Burrows received the Fulbright English Teaching Assistantship to Czech Republic

Anna Brennan received the National Science Foundation Graduate Research Fellowship to study at Johns Hopkins University

Madison Cuthbert received the Fulbright Study to Greece

Sean DeRepentigny received a Critical Language Scholarship to study Indonesian

Cecilia Gabbidon is a semifinalist for the Fulbright English Teaching Assistantship to Colombia

Shayna Grossberg is a semifinalist for the Fulbright English Teaching Assistantship to Azerbaijan

Danielle Jensen is a semifinalist for the Fulbright English Teaching Assistantship to Bulgaria

Erin Karrh is a semifinalist for the Fulbright Study to India

Erin Karrh is a semifinalist for the Critical Language Scholarship to study Hindi

Logan Lankford received the Fulbright Summer Scholarship to the United Kingdom

Lian Peach received a Critical Language Scholarship, Spark Program to study Mandarin

Naomi Perry received a Fulbright Study to France

Rebecca Pritt is a semifinalist for the Fulbright Study to Malaysia

Trey Skinner is a semifinalist for the Fulbright Study to Germany

Jarrett Walton is a semifinalist for the Fulbright English Teaching Assistantship to the Slovak Republic

Ally Wright is a semifinalist for the Fulbright English Teaching Assistantship to Romania

### **Student Presentations and Performances:**

Philip Becnel presented at the Entomological Society of America Annual Conference

Philip Becnel hosted a community outreach on local invasive species at Downtown Salisbury 3rd Friday events

Blake Brown presented at the Chesapeake Studies Conference September 2023

Joshua Comfort presented “PCA-Based Efficient CNN Model Construction for ASL Recognition” at the IEEE MIT Undergraduate Research Technology Conference, October 2023

Paige Currie presented at the Maryland Honors Council’s Annual Conference

Jeffrey Dean presented at the Conference on College Composition and Communication, April 2024

Riley Dombrowski presented at the Association of Baccalaureate Social Work Program Directors

Micaela Farlow presented at the Society for Social Work and Research Conference

Tieryn Gingerich presented “Sexual Perpetration Experience and Tactic Severity Predicting (During/Post) Rape Perpetrator Empathy” at the Annual Meeting of the Eastern Psychological Association, March 2024

Tessah Good presented at the Salisbury Women’s Forum “Self-Harm and Tattooing Among Women”

Shay Grieser presented “Children’s Memories of Learning for Face-to-Face versus Recorded Events” at the Annual Meeting of the Eastern Psychological Association, March 2024

Sydney Jett presented at the Salisbury Women’s Forum “Skinny, Successful, and Happy: The Association between Women’s Body Image and Behavior”

Jolie Jones presented at the Association of Baccalaureate Social Work Program Directors

Jasmine Justice presented at the Maryland Honors Council’s Annual Conference

Colleen McCann presented “Predicting Rape Victim Empathy Among Lesbian, Bisexual, Asexual and Heterosexual College Women” at the Annual Meeting of the Eastern Psychological Association, March 2024

Alex Mekovsky presented “Machine Learning and Computer Vision Techniques to Identify and Monitor Ostreidae Nondisruptively” at the Annual Meeting of the National Shellfisheries Association, March 2024

Katy Musse presented at the Association of Baccalaureate Social Work Program Directors

Willow Nyland presented at the Maryland Honors Council's Annual Conference

Willow Nyland was Nominate for the Whall Honors Award for Writing Excellence

Willow Nyland presented "Children's Memories of Learning for Face-to-Face versus Recorded Events" at the Annual Meeting of the Eastern Psychological Association, March 2024

Kyarah Pete presented at the Association of Baccalaureate Social Work Program Directors

Kade Richardson presented at the Maryland Honors Council's Annual Conference and won an award for the Best Conference Abstract

Kade Richardson presented at the Salisbury Women's Forum

Shay Sellers presented "Children's Memories of Learning for Face-to-Face versus Recorded Events" at the Annual Meeting of the Eastern Psychological Association, March 2024

Sage Simone conducted a CHHS LGBTQ+ Climate Research Project

Alexandra Slovikoski presented at the Association of Baccalaureate Social Work Program Directors

Kellee Toler presented at the International Writing Centers Association, October 2023

Kyle Tranfaglia Zolenski presented "Visualization of Sound" at the Northeast Regional Honors Conference, April 2024

Luke Zolenski presented "Visualization of Sound" at the Northeast Regional Honors Conference, April 2024

Tylor Bahen presented "Sarmiento, the traveler. StoryMap as a tool for teaching Latin American literature" at the 2023 Middle Atlantic Council of Latin American Studies (MACLAS) Conference "The Afro Americas A Hemispheric Conversation" in Salisbury, March 2023

Tylor Bahen presented "Sarmiento, the traveler. StoryMap as a tool for teaching Latin American literature" at the Latinx and Latin American Symposium in Salisbury University, 2022

Gerard Boyd presented "Similar metabolic responses during resistance exercise despite significant differences in power: effects of matched work" at the National American College of Sports Medicine (ACSM) research conference, June 2022

Zach Crum presented "Feeding and Trophic Ecology of Invasive Blue Catfish in the Nanticoke River, MD/DE" at the Presented at the Southern Division American Fisheries Society meeting in Norfolk, VA, February 2023.

Brianna Domenick presented "The impact of stigma within academic majors and the effect on mental health literacy" at the 40th annual conference for the Association of Baccalaureate Social Work Program Directors (BPD) in Birmingham Alabama, March 2023

Cecilia Gabbidon presented *Autobiografía* by Juan Francisco Manzano. A Cuban slave's testimony against double consciousness" at the 2023 Middle Atlantic Council of Latin American Studies (MACLAS) Conference "The Afro Americas A Hemispheric Conversation" in Salisbury, March 2023

Cecilia Gabbidon presented *Autobiografía* by Juan Francisco Manzano. A Cuban slave's testimony against double consciousness" at the Latinx and Latin American Symposium in Salisbury University, 2022

Tieryn Gingerich Heishman presented "Sexual assault experience and tactics predicting rape victim empathy" at the annual meeting of the Society for the Scientific Study of Sexuality, November 2022

Tieryn Gingerich Heishman presented "Sexual assault perpetration and tactics predicting college men's empathy with a rapist" at the annual meeting of the Eastern Psychological Association, March 2023

Hannah Nolan presented "The impact of stigma within academic majors and the effect on mental health literacy" at the 40th annual conference for the Association of Baccalaureate Social Work Program Directors (BPD) in Birmingham Alabama, March 2023

Ethan Robbins presented "Energy cost from squats with matched work but varying contraction intensities and loads" at the National American College of Sports Medicine (ACSM) research conference, June 2022

Faith Thompson presented "'If You Want to Play the Game and be Successful': Complications and Contradictions in the Antiracist Language Practices of Writing Center Tutors at the annual Two Year College Association Conference, February 2023

Vicky Vazquez presented "Voice and language for the reconquest in *Me llamo Rigoberta Menchu*" at the 2023 Middle Atlantic Council of Latin American Studies (MACLAS) Conference "The Afro Americas A Hemispheric Conversation" in Salisbury, March 2023

Vicky Vazquez presented "Voice and language for the reconquest in *Me llamo Rigoberta Menchu*" at the Latinx and Latin American Symposium in Salisbury University, 2022

Kendall Weingard presented "Blue Catfish Ecology at Salisbury University" at the 2nd Upper Shore Youth Environmental Action Summit

Jun Zhang presented "Exploring the influence and contribution of different factors in adult second language learning through life managers of adult immigrants" at the SLA Graduate Student Symposium at the University of Minnesota, March 31-April 1 2023.

### **Student Awards, Honors, and Other Activities of Distinction:**

Francis Lopez Chilel was awarded the Henson Undergraduate Research Award

Emily Madison was elected Vice President of Graduate Affairs for the University Systems of Maryland Student Council Executive Board Member

Morgan Mathey was inducted into the National Leadership Honor Society, Omicron Delta Kappa (ODK)

Morgan Mathey was inducted into the Delta Theta chapter of Lambda Pi Eta (LPH), Salisbury University's Communication Honor Society

## VI. Acknowledgements

- **2024 SUSRC Graphics & Program Cover:**
  - Griffin McDaniel (Winner 2024 SUSRC Poster Contest)
    - Special Thanks
      - Allison Seth, Assistant Professor, Art Department
    - Recognizing Other Student Poster Designers
      - Camille Barnes
      - Jade Barrow
      - Jenna Bradford
      - Mika Dominguez
      - Jordan Eaves
      - Emily Hanner
      - Kay Nooks
      - Ahmad Omar
      - Bryce Terrell
      - Isaiah Wims

- **Office of Graduate Studies and Research:**

Dr. Clifton Griffin, *Dean of Graduate Studies & Research*  
Nicole Brumback, *Research Assistant*  
Vanessa Collins, *Research Account & Compliance Specialist*  
Elizabeth Geiger, *Specialist Graduate Enrollment*  
Teri Herberger, *Director of Sponsored Research Programs*  
Donna Knopf, *Executive Administrative Assistant*  
Haleigh LaChance, *Contract & Grants Specialist*  
Nichole Morton, *Contract & Grants Specialist*  
Jessica Scott, *Graduate Program Manager*

- **Office of Undergraduate Research and Creative Activities:**

Rhyannon Bemis, *Director*  
Edward Carter, *Clarke Honors College*

**OURCA Website:** <https://www.salisbury.edu/ourca>

**2023-2024 Cohort of OURCA Undergraduate Research Fellows:**

Allison Dincau, *Political Science and Theatre Performance*  
Min Thway Khant, *Biotechnology*  
Adebola Okusolubo, *Biology – Premed Concentration*  
Virginia Murray, *Biology – Biomedical Science Track*  
Amber Whittaker, *Exercise Science – Premed Track*

- **SU Student Research Conference Committee:**

Rhyannon Bemis, *Psychology*  
Yvonne Downie Hanley, *MBA Director*  
Edward Carter, *Clarke Honors College*  
Mou Chakraborty, *SU Library*

Sherry Maykrantz (chair), *Public Health*

Zac Townsend, *Exercise Science*

Tim Werner, *Exercise Science*

▪ **Administration Support:**

Dr. Carolyn Ringer Lepre, *President*

Dr. Laurie Couch, *Provost and Vice President of Academic Affairs*

Mr. Jason Curtin, *Vice President of Advancement and Alumni Relations*

Ms. Aurora Edenhart-Pepe, *Vice President of Administration and Finance*

Dr. Dane Foust, *Vice President of Student Affairs and Auxiliary Services*

Mr. Eli Modlin, *Chief of Staff/Vice President of Public Affairs and Strategic Initiatives*

Dr. Melissa Boog, *Associate Vice President of Academic Affairs*

Dr. Kara Raab, *Associate Vice President for Planning & Assessment*

Dr. Jessica Clark, *Assistant Provost, Faculty Success*

Ms. Tara Smith, *Director of Academic Affairs Administrative Operations*

Dr. Clifton Griffin, *Dean of Graduate Studies and Research*

Dr. Michael Scott, *Dean of the Richard A. Perdue School of Science and Technology*

Dr. Christy Weer, *Dean of the Franklin P. Perdue School of Business*

Dr. Maarten Pereboom, *Dean of the Charles R. and Martha N. Fulton School of Liberal Arts*

Dr. Lisa Seldomridge, *Interim Dean of the College of Health and Human Services*

Dr. Laurie Henry, *Dean of the Samuel W. and Marilyn C. Seidel School of Education*

Dr. Andrew Martino, *Dean of Honors College*

Dr. Beatriz Hardy, *Dean of Libraries and Instructional Resources*

▪ **Technical Support:**

Donna Knopf, Scott Garrison, Todd Smith

***Thank you to all our presenters, mentors, volunteers, support folks, and committee members! See you at the 23<sup>rd</sup> Annual Salisbury University Student Research Conference in April 2025!!!***

## Where will undergraduate research take you?

**OURCA offers you exciting undergraduate research experiences at every step of your college career.**

From incoming freshmen to graduating seniors, OURCA supports SU students to:

- Generate innovative projects
- Conduct independent research
- Collaborate with expert faculty mentors
- Earn scholarships and research funds
- Present projects and posters at student conferences
- Travel with other students and faculty
- Build your resume and graduate school applications
- Enhance your academic experience

### CONTACT US TO LEARN MORE ABOUT:

- Funding Opportunities
- Compliance (Human and Animal Research)
- Salisbury University Student Research Conference (SUSRC)
- National Conference on Undergraduate Research (NCUR)
- National Honors Conference (NHC)

### CONTACT INFORMATION

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[www.salisbury.edu/ourca](http://www.salisbury.edu/ourca)

# SALISBURY

# SALISBURY UNIVERSITY'S *LARIDAE* ACADEMIC JOURNAL

## CALL FOR SUBMISSIONS

- You must be an undergraduate author producing original high-quality work rooted in research, creative activity, civic engagement or professional studies.
- Include your name, discipline, abstract, faculty mentor name and text with a maximum of 6,000 words with references. Visual art submissions must be in a high-quality, PDF format (300 dpi).
- Your submission must be approved by your faculty mentor.
- Insert protocol number if research contains human subjects (IRB) or animals (IACUC).



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