



OFFICE OF UNDERGRADUATE RESEARCH & CREATIVE ACTIVITY

SUMMER STUDENT RESEARCH SHOWCASE

THURSDAY, SEPTEMBER 1, 2022 | 3:30-5 P.M.

GUERRIERI ACADEMIC COMMONS, ASSEMBLY HALL

Sponsored by the Office of Undergraduate Research and Creative Activity

PROGRAM

3:30-3:45 p.m.

Welcome and Opening Remarks

Dr. Carolyn Ringer Lepre, *Salisbury University President*

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

3:45-5 p.m.

Poster Session

Summer Student Research Showcase

POSTER PRESENTATIONS

1. Investigations into 3D Image Capture and Augmented Reality

Sebastian Acosta

Faculty Mentor: Dr. Steven Binz

2. Detection of Emotional Changes with Harmonic Progression in Music

Usra Alaraki

Faculty Mentor: Dr. Randall Cone

3. Targeting Cancer-Associated Proteins for Tumor Imaging

Emmanuela Angu, Stefani Lanahan and Ana Valdes

Faculty Mentor: Dr. Joshua E. Sokoloski

4. The Combinatorics of a Small Family of Odd Symplectic Partial Flag Manifolds

Connor Bean and Bradley Cruikshank

Faculty Mentor: Dr. Ryan Shifler

5. Scarab Biodiversity on an Urban Campus

Philip Becnel

Faculty Mentor: Dr. Dana Price

6. Learning How to Conduct Qualitative Research in Psychology

Emily Bovard

Faculty Mentor: Dr. Yuki Okubo

7. Does Visitor Behavior Effect Animal Behavior Within Zoos?

Lydia Bradshaw

Faculty Mentor: Professor Mary Gunther

8. Art and Love: The Infinities of Tullia D'Aragona

Lily Christiana

Faculty Mentor: Dr. Cristina Cammarano

9. Mental Health Care Services in Local Governments in Maryland

Tiah Coates

Faculty Mentor: Dr. Andrea Presotto

10. Image Processing and Computer Vision Algorithms for Sustainable Shellfish Farming

Joshua Comfort

Faculty Mentors: Dr. Yuanwei Jin and Dr. Enyue Lu

11. Diet Composition of Invasive Blue Catfish in the Nanticoke River, USA

Zach Crum

Faculty Mentor: Dr. Noah Bressman

Summer Student Research Showcase

12. Oxytocin Effects on Co-Nesting in Southern Flying Squirrels

Joanna Diaz-Ocana and Katie Ekholm

Faculty Mentor: Dr. Angela Freeman

13. Synthesis of Functionally Diverse and Highly Substituted Oxazoles and Azlactones

Andrew Downey

Faculty Mentor: Dr. Stephen Habay

14. Barriers to Mental Health Care among Emerging Adults

Tieryn Gingerich Heishman

Faculty Mentor: Dr. Deeya Mitra

15. Image Processing and Machine Learning for Tumor Detection Using MRI Images

Emily Hitchcock

Faculty Mentors: Dr. Yuanwei Jin and Dr. Enyue Lu

16. Instagram Reels for Small Businesses: How to Hook, Bait, and Reel in Customers

Daisy Holder

Faculty Mentor: Professor Lauren Hill

17. The Patriarchal Institution of Lies; An Analysis of Bell Hooks' All About Love

Liam McGinnes

Faculty Mentor: Dr. Cristina Cammarano

18. Psychophysiology as a Neurocognitive Assessment Tool

Catherine Milligan, Aman Shahzad, and Adara Turek

Faculty Mentors: Dr. Echo Leaver and Dr. Meredith Patterson

19. Investigating Septic Tank Pollution in Eastern Shore Waterways

Connor Morningred

Faculty Mentor: Dr. Jennifer Nyland

20. Influence of the Symbiotic State of the Aiptasia Sea Anemone on the Feeding Preferences of the Nudibranch Berghia

Kyle Musselman

Faculty Mentor: Dr. Christina Bradley

21. Ethics for Everyone at Eastern Correctional Institution

Carly Nascimbeni

Faculty Mentors: Dr. Grace Clement and Dr. Timothy Stock

22. Immersing Myself in Qualitative Research and Racial Knowledge

Amanda Niederland

Faculty Mentor: Dr. Yuki Okubo

Summer Student Research Showcase

23. *Holding Tank and Recirculation System Construction for Blue Crab (*Callinectes sapidus*) Stable Isotope Research*

Samuel Pincus

Faculty Mentor: Dr. Christina Bradley

24. *Exodus: Sex-specific Movements of Endangered Spotted Turtles (*Clemmys guttata*) Leaving Breeding Ponds and their Terrestrial Activity*

Rebecca Pritt

Faculty Mentor: Dr. Eric B. Liebgold

25. *African American Local Historical Storytelling*

Melissa Reid

Faculty Mentor: Dr. Judith Franzak

26. *Examining Chronic and Infectious Disease Health Policy: A Literature Review*

Kasey Schlack

Faculty Mentor: Dr. Brandye Nobiling

27. *Performance Modeling of Reliable Data Transfer in Computer Networking*

Luke Scott

Faculty Mentor: Dr. Yaping Jing

28. *Analyzing the Roles of Abuse and Neglect within Love: Insights from Bell Hooks*

Ella Seetoo-Ronk

Faculty Mentor: Dr. Cristina Cammarano

29. *Students Failing School or Schools Failing Students: Critical Thinking Education Deficits in Public American Secondary Schools*

Jane Simoncic

Faculty Mentor: Professor Lauren Hill

30. *“Deconstruction is Love”: Jacques Derrida’s Impact on the Spiritual Deconstruction Movement*

Kylie Sommer

Faculty Mentor: Dr. Beth Towle

31. *Sexual Dimorphism of Song Control, Learning, and Social Nuclei Regions in Songbirds*

Kellee Toler

Faculty Mentor: Dr. Jeremy Corfield

32. *Using a Quadtree Data Structure to Facilitate Analysis of Clusters Formed Through Diffusion Limited Aggregation*

Matt Wilson

Faculty Mentor: Dr. Jeffrey Emmert

33. *Individual Practitioners in the United States in the Field of ADR - South Carolina and Kansas*

Alison Wright

Faculty Mentors: Dr. Brian Polkinghorn and Dr. Brittany Foutz