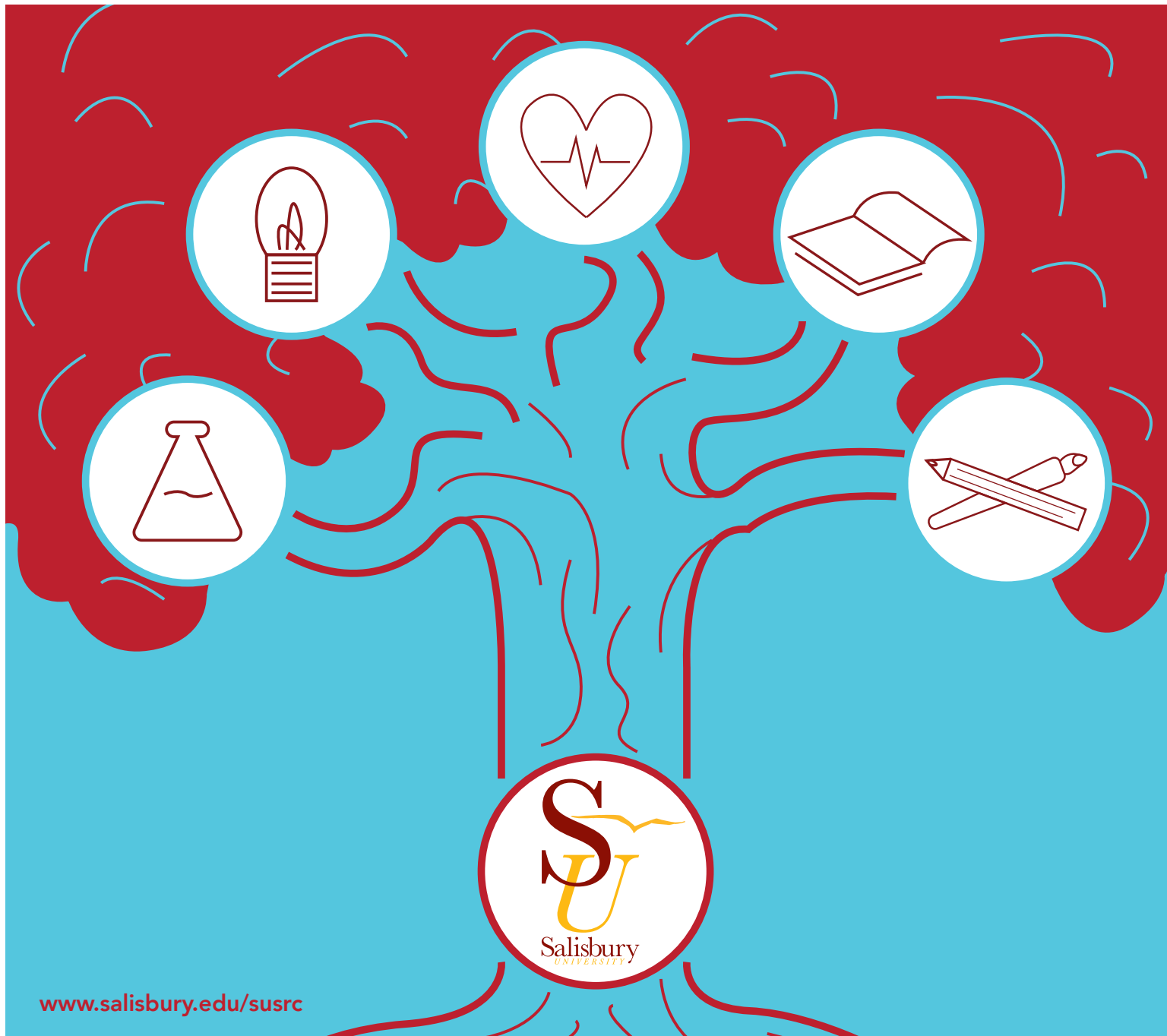




www.salisbury.edu/susrc

SUSRC 2021

Virtual Salisbury University
Student Research Conference
Friday, April 23
12:30-7:30 p.m.

*19th Annual Salisbury University
Student Research Conference
Friday, April 23, 2021*

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All conference attendees must register for the student oral and poster presentations. Please click on the conference registration link: [Salisbury University Virtual Student Research Conference Tickets, Fri, Apr 23, 2021 at 12:30 PM | Eventbrite](#)

Conference Outline

1:30 - 5:50 p.m. Oral Presentation on Zoom Webinar

6 - 6:30 p.m. Welcome with Opening Remarks
SUSRC Poster Design Winner & Outstanding Research Mentor Award

6:30 - 7:30 p.m. Virtual Poster Session

Oral Session/Back - Up Panel Moderators:

Joseph Anderson, Department of Mathematics and Computer Science
Christina Camillo, School of Health Sciences
Lori Carmack, Department of Mathematics and Computer Science
Chrys Egan, Associate Dean, Fulton School of Liberal Arts
Heidi L. Fritz, Department of Psychology
Lance Garmon, Department of Psychology
Carolyn M. King, Department of English
Stacia Kock, Glenda Chatham & Robert G. Clarke Honors College
Thomas Lamey, Department of Respiratory Therapy
Susan Mahoney, English Language Institute
Andrew Martino, Dean, Glenda Chatham & Robert G. Clarke Honors
Jason McCartney, Department of Psychology
Heather McCarty, Glenda Chatham & Robert G. Clarke Honors College
Jennifer F. Nyland, Department of Biological Sciences
Shruti Patel, Department of History
Maarten Pereboom, Dean, Fulton School of Liberal Arts
Mario Ramirez, Facilities Reservations
Autumn Romanowski, Department of Exercise Science
Josh Sokoloski, Department of Chemistry
Yujia Song, Department of Philosophy
Brian Stiegler, Assistant Provost for International Education, Janet Dudley - Eshbach Center for
International Education
Teddy Stocking, Salisbury University Libraries
Mark Walter, Department of Psychology
Eugene Williams, Department of Biological Sciences
Adam Woodis, Department of Modern Languages and Intercultural Studies

I. Oral Presentation Sessions • 1:30 - 5:50 p.m.

Access to the presentation sessions requires a Zoom account. If you do not have a Zoom account, one can be created by clicking on this link: <https://zoom.us/signup>

Session 1 Panel	1:30. - 2:50 p.m.	Oral Research Presentation Topic
A1	https://salisbury.zoom.us/j/92670829257	Biology 1
B1	https://salisbury.zoom.us/j/96889668160	English, Literature, and Fashion
C1	https://salisbury.zoom.us/j/7962959504	Psychology 1
D1	https://salisbury.zoom.us/j/95473339175	Communications 1
E1	https://salisbury.zoom.us/j/94891821325	Mathematics

Session 2 Panel	3 - 4:20 p.m.	Oral Research Presentation Topic
A2	https://salisbury.zoom.us/j/92670829257	Biology 2
B2	https://salisbury.zoom.us/j/96889668160	History 1
C2	https://salisbury.zoom.us/j/7962959504	Psychology 2
D2	https://salisbury.zoom.us/j/95473339175	Communications 2
E2	https://salisbury.zoom.us/j/94891821325	Potpourri

Session 3 Panel	4:30. - 5:50 p.m.	Oral Research Presentation Topic
A3	https://salisbury.zoom.us/j/92670829257	Chemistry and the Environment
B3	https://salisbury.zoom.us/j/96889668160	History 2
C3	https://salisbury.zoom.us/j/7962959504	Psychology 3
D3	https://salisbury.zoom.us/j/95473339175	Communications and Computer Science
E3	https://salisbury.zoom.us/j/94891821325	Health and Wellness

First Oral Session • 1:30 - 2:50 p.m.

A1 Biology 1 <https://salisbury.zoom.us/j/92670829257>

Moderator: Autumn Romanowski

- 1:30 - 1:45 p.m. **A Case Study in Genetic Hearing Loss: STRC and OTOG/OTOGL Mutations Result in a Mild - to - Moderate Phenotype**
Margaret Giggey
Faculty Mentor: Victor Miriel
- 1:50 - 2:05 p.m. **Investigating Size Class Distributions and Predation of the Endangered Spotted Turtle (*Clemmys guttata*)**
Amanda Rocker
Faculty Mentor: Eric Liebgold - Biological Sciences
- 2:10 - 2:25 p.m. **Biological Control of Fats, Waxes, and Acetate Metabolism in a Bioplastics - Producing Organism**
Stephanie Miller
Faculty Mentor: Michael Carter - Biological Sciences
- 2:30 - 2:45 p.m. **The Effects of Hyperglycemia on Gut Motility in Juvenile *Danio rerio***
Jack Lenox
Faculty Mentor: Jessica Clark - Biological Sciences

B1 English, Literature, and Fashion <https://salisbury.zoom.us/j/96889668160>

Moderator: Carolyne M. King

- 1:30 - 1:45 p.m. **Zack Snyder's *Justice League*: A Case Study of the Auteur in Contemporary Cinema**
Jacob Beaver
Faculty Mentor: Ryan Conrath - English
- 1:50 - 2:05 p.m. **Comfort with Correctness: De - Coding Language in the Writing Center**
Morgan McGlone - Smith
Faculty Mentor: Melissa Bugdal - English
- 2:10 - 2:25 p.m. **The *Vogue* Controversy: A Generational Analysis of Gen Z and their Efforts to Mediate Fast Fashion Consequences**
Amber Whittaker
Faculty Mentor: Lauren Hill - Honors
- 2:30 - 2:45 p.m. **The Ecology of Writing, Feedback, and Revision Practices in an Upper-Level English Course**
Kelsie Endicott
Faculty Mentor: Thea Williamson - Literacy Studies

C1 Psychology 1 <https://salisbury.zoom.us/j/7962959504>

Moderator: Mark Walter

- 1:30 - 1:45 **Getting From the First Date to the Tenth Date: Factors Contributing to the Development of Romantic Relationships.**
Chaim Freedman
Faculty Mentor: Larence Becker - Psychology
- 1:50 - 2:05 p.m. **Food For Thought: An Analysis of Students' Culinary Motivation and Habits**
Kelsey Pintzow
Faculty Mentor: Larence Becker - Psychology
- 2:10 - 2:25 p.m. **A Qualitative Evaluation of a Student-Led Antiracism Workshop at a PWI**
Caitlin Fell
Faculty Mentor: Yuki Okubo - Psychology

D1 Communications 1 <https://salisbury.zoom.us/j/95473339175>

Moderator: Susan Mahoney

- 1:30 - 1:45 p.m. **Sales and Marketing: The Significance of Emotional Intelligence in Medical Sales**
Lillian Cavallaro
Faculty Mentor: James Burton - Communication
- 1:50 - 2:05 p.m. **How *Schitt's Creek* Affirms Sexual Orientation and Gender Identity**
Chloe Birch
Faculty Mentor: Michael Moeder - Communication
- 2:10 - 2:25 p.m. **Gestures and Movements in Restaurant Settings**
Bragg Davis, Jordan Risher, Mike Washington, and Alyssa Estrada
Faculty Mentor: Eun-Jeong Han - Communication
- 2:30 - 2:45 p.m. **The Emotions and Intentions of Masked Individuals**
Gerald Jeffra, Emilee Holson, Elliott Earhart, Courtney Schrader, and Marissa Moldoch
Faculty Mentor: Eun-Jeong Han - Communication

E1 Mathematics <https://salisbury.zoom.us/j/94891821325>
Moderator: Lori Carmack

- 1:30 - 1:45 **Optimization of Blockchain-Based Directed Acyclic Graphs for Distributed Transaction Processing**
William Wolf, Michael Mandulak, and Ian Thomas
Faculty Mentor: Randall Cone - Mathematics
- 1:50 - 2:05 p.m. **Hitting the Mark: Translating Launch Angle to Success for MLB Hitters**
Matthew Heckman
Faculty Mentor: Jathan Austin - Mathematics
- 2:10 - 2:25 p.m. **Galkin's Lower Bound Conjecture Holds for the Grassmannian**
Laura Short and Stephanie Warman
Faculty Mentor: Ryan Shifler - Mathematics
- 2:30 - 2:45 p.m. **Investigating Patterns in Particular Cellular Automata Groups**
Hannah Hall
Faculty Mentor: Michael Bardzell - Mathematics

Second Oral Session • 3 - 4:20 p.m.

A2 Biology 2 <https://salisbury.zoom.us/j/92670829257>

Moderator: Eugene Williams

- 3 - 3:15 p.m. **Determining the Function of Regenerated Peripheral Motor Nerves in *Danio rerio***
Sheridan Sargent
Faculty Mentor: Jessica Clark - Biological Sciences
- 3:20 - 3:35 p.m. **Robo-Peeper: Will Visual Cues Influence Female Mate Preference in a MD frog**
Betsy RuanoDeLaO, Kashish Kumar, Emilie Ekholm, Kristin Bollinger, Kathryn Morrison, and Jamie Larson
Faculty Mentor: Kimberly Hunter - Biological Sciences
- 3:40 - 3:55 p.m. **Relationships Between Waterfowl Beak Morphology Feeding Ecology and Sensory Brain Region/Pathway Structure**
Thomas Sistik
Faculty Mentor: Jeremy Corfield - Biological Sciences
- 4 - 4:15 p.m. **The Effect of Mercury and Lipopolysaccharides on *Acetylcholinesterase***
Jessica Strange
Faculty Mentor: Jennifer Nyland - Biological Sciences

B2 History 1 <https://salisbury.zoom.us/j/96889668160>

Moderator: Andrew Martino

- 3 - 3:15 p.m. **The Great British Social Experiment: Enslaved Black Populations in Britain and the Formation of a Modern Black British Identity**
Marianna Agazio
Faculty Mentor: Kristen Walton – History
- 3:20 - 3:35 p.m. **Megafaunal Extinction: The Impact of Human Colonization in North America and Sahul**
Alyssa Ewing
Faculty Mentor: Elizabeth Ragan - History
- 3:40 - 3:55 p.m. **Faunal Colonization: A Comparative Analysis of Two 17th Century Chesapeake Sites**
Emilie Ekholm
Faculty Mentor: Elizabeth Ragan - History

4 - 4:15 p.m. **Birth Control in Nineteenth- and Twentieth- Century America:
Why Was the Hormonal Birth Control Pill in Demand?**
Jennifer Martin
Faculty Mentor: Kara French - History

C2 Psychology 2 <https://salisbury.zoom.us/j/7962959504>
Moderator: Lance Garmon

3 - 3:15 p.m. **Trump Talk: Understanding Approval Ratings of Trump's Quotes**
Mackenzie Nickle, Gwen Globus, Gwynne Richardson, and Jennifer
Michelitch
Faculty Mentor: Rachel Steele - Psychology

3:20 - 3:35 p.m. **LGBTQ+ Mental Health and the COVID 19 Pandemic**
Whitney Demond, Jenna Markland, Ashley Olortegui, and Allyson Rivera
Faculty Mentor: Michèle Schlehofer - Psychology

3:40 - 3:55 p.m. **Homelessness**
Gisselle Canales
Faculty Mentor: Michèle Schlehofer - Psychology

4 - 4:15 p.m. **Plastic Recycling in Maryland**
Soleil Darbouze and JakQuan Jackson
Faculty Mentor: Michèle Schlehofer - Psychology

D2 Communication 2 <https://salisbury.zoom.us/j/95473339175>
Moderator: Stacia Kock

3 - 3:15 p.m. **How Does Physical Appearance Affect Our Judgements of Someone?**
Cross Ferrara, Jared Shires, Eve Gates, Katlinn Barnes, and Jake Becker
Faculty Mentor: Eun-Jeong Han - Communication

3:20 - 3:35 p.m. **Eye Behavior**
Hunter Cleaver, Jacob Farinholt, Ryan Eville, and Caleb Galley
Faculty Mentor: Eun-Jeong Han - Communication

3:40 - 3:55 p.m. **Adapting to a New Melody: How Music Streaming Services and Social
Media Have Altered the Music Industry**
Lillian Bazis
Faculty Mentor: James Burton - Communication

4 - 4:15 p.m. **The Barriers and Benefits of Minority Students in Nursing**
Kreena Patel
Faculty Mentor: Eun - Jeong Han - Department of Communication

E2 **Potpourri** <https://salisbury.zoom.us/j/94891821325>
Moderator: Thomas Lamey

- 3 - 3:15 p.m. **Becoming an Effective Mathematics Educator: Exploring Strategies that Promote Success in the Mathematics Classroom**
Allan Hall
Faculty Mentor: Aimee Bergonia - Secondary and Physical Education
- 3:20 - 3:35 p.m. **TRANSforming Relationships: Exploring Views of Gender Dynamics, Orientation, and Identity to Improve Communication and Connection**
Lane Fox
Faculty Mentor: Kimberly van Vulpen - Social Work
- 3:40 - 3:55 p.m. **Discovering the Root Causes of Racial Discrimination**
Madeira Alexander
Faculty Mentor: Ryan Weaver - Interdisciplinary Studies
- 4 - 4:15 p.m. **Best Management Strategies for Shoreline Protection: A Comparative Analysis of Managed Retreat Schemes in the United States and Great Britain**
Rachel Clausen
Faculty Mentor: Sarah Surak - Political Science

Third Oral Session • 4:30 - 5:50 p.m.

A3 Chemistry and the Environment <https://salisbury.zoom.us/j/92670829257>

Moderator: Josh Sokoloski

- 4:30 - 4:45 p.m. **Silver Ions and the Stability of Histone-Like Nucleoid-Structuring Protein from *E. coli***
Bailey Didriksen
Faculty Mentor: Alison Dewald - Chemistry
- 4:50 - 5:05 p.m. **Assessing the Effectiveness of a Remote Chemistry Laboratory Course**
Kayla Sealoover
Faculty Mentor: Alison Dewald - Chemistry
- 5:10 - 5:25 p.m. **With or Without Oxygen: Amplification and Purification of the Periplasmic Nitrate Reductase Operon in *E. coli***
Yasmine Sakinejad
Faculty Mentor: Katherine Miller - Chemistry
- 5:30 - 5:45 p.m. **The Assassination of Colombian Environmental Activists: Una Propuesta para Acción**
Jenna Feinauer
Faculty Mentor: Michael Lewis - Environmental Studies

B3 History 2 <https://salisbury.zoom.us/j/96889668160>

Moderator: Maarten Pereboom

- 4:30 - 4:45 p.m. **On the Waves of Violence; Oceanic Terrorism and Piracy in the West and Asia in the 1700s**
Chacier Alexander
Faculty Mentor: Kristen Walton - History
- 4:50 - 5:05 p.m. **The Iron Legion: The Mining and Production of the Metals that Shaped the Roman Military**
Dan Feaster
Faculty Mentor: Elizabeth Ragan - History
- 5:10 - 5:25 p.m. **The Culper Ring: America's First Attempt in Espionage**
Katelyn Hancock
Faculty Mentor: Kristen Walton - History
- 5:30 - 5:45 p.m. **The South Sea Bubble**
Jerome Prochaska
Faculty Mentor: Kristen Walton - History

C3 Psychology 3 <https://salisbury.zoom.us/j/7962959504>

Moderator: Heidi L. Fritz

- 4:30 - 4:45 p.m. **Racial Stereotypes in Social Media and the Effects on Young Adults**
Blessing Ajayi and Sebastian Mantilla
Faculty Mentor: Michèle Schlehofer - Psychology
- 4:50 - 5:05 p.m. **Does Cognitive Reappraisal Play a Role in the Relation of Students' Bullying Experiences with their Mental Health?**
Sandra Zelaya and Taylor Karnes
Faculty Mentor: Heidi Fritz - Psychology
- 5:10 - 5:25 p.m. **The Impact of the COVID-19 Pandemic on SU Students' Health Habits and Psychological Well-Being: A Comparison Across Four Semesters**
Ian Hare, Erica Hall, and Sydney Steeves
Faculty Mentor: Heidi Fritz - Psychology
- 5:30 - 5:45 **Incarceration in America Uncovered: It's Impact on Families, Friends and Society**
Breland Daye, Romona Harden, and Allyson Rivera
Faculty Mentor: Yuki Okubo - Psychology

D3 Communications and Computer Science <https://salisbury.zoom.us/j/95473339175>

Moderator: Joseph Anderson

- 4:30 - 4:45 p.m. **How Atypical Normalizes Autism Spectrum Disorders: A Critical Analysis**
Caroline Haislip
Faculty Mentor: Michael Moeder - Communication
- 4:50 - 5:05 p.m. **Analysis of Evolutionary Stable Matching Algorithms**
Michael Mandulak
Faculty Mentor: Enyue Lu - Computer Science
- 5:10 - 5:25 p.m. **SU Alumni Database Tool**
Willem Lucas and Chloe VanCory
Faculty Mentor: Yaping Jing - Computer Science
- 5:30 - 5:45 p.m. **Dampening, Symmetry, or Both: Investigating Solutions for Signal Separation in the Presence of Heavy-Tailed Noise**
Blaine Mason
Faculty Mentor: Joseph Anderson - Computer Science

E3 Health and Wellness <https://salisbury.zoom.us/j/94891821325>
Moderator: Christina Camillo

- 4:30 - 4:45 p.m. **Navigating Maternity Care: An Analysis of Doulas' Experiences During the COVID - 19 Pandemic**
N'Tumahawa Kamara
Faculty Mentor: Deneen Long - White - Community Health
- 4:50 - 5:05 p.m. **A Review on the Role of Satellite Cells in Skeletal Muscle Hypertrophy**
Bilal Chaudhry
Faculty Mentor: Scott Mazzetti - Exercise Science
- 5:10 - 5:25 p.m. **Personality as a Predictor of Personal Finance Decisions**
Abigail Boltz
Faculty Mentor: Ani Mathers - Economics and Finance
- 5:30 - 5:45 p.m. **Influence of Short-Term Explosive Resistance and Sprint Training on Anaerobic Performance**
Anna Brennan, Kerry Lynch, Amar Naboulsi, Mallory Boyd, Jerome Thomas, Bilal Chaudhry, Ethan Robbins, Ryan Hughes, and Walker Ryan
Faculty Mentor: Scott Mazzetti - Exercise Science

II. Welcome with Opening Remarks • 6 - 6:30 p.m.

Welcoming and opening remarks from Dr. Sherry Maykrantz (*SUSRC Chair*), Dr. Karen Olmstead (*Provost and Vice President of Academic Affairs*), and Dr. Clifton Griffin (*Dean of Graduate Studies and Research*). Winners of the SUSRC Poster Design and Outstanding Research Mentor Award will be announced.

Welcoming with Opening Remarks Link with Passcode:

<https://salisbury.zoom.us/j/95246571026?pwd=QW5QNTQxdG13WlYvQjFVUW4ybFprdz09>

Passcode: 633247

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

The 2021 poster session will be on [Virtualpostersession.org](https://salisbury.virtualpostersession.org)

Click on this link to access the poster session:

<https://salisbury.virtualpostersession.org/>

1. Cardiorespiratory Adaptations Improve During Sprint Interval Training on Stationary Air Bike While also Being Time Efficient

Mason Cervantes and Bert Jacobson

Faculty Mentor: Masoud Moghaddam – Applied Health Physiology

2. Solar-Powered Audio System: Utilizing Renewable Energy to Produce Efficient Audio Systems

Devan Butz

Faculty Mentor: Matthew Bailey - Physics

3. Implications for Immigrants: A Needs-Assessment of Wicomico County

Johannah Cooper

Faculty Mentor: Jennifer Jewell - Social Work

4. Sexual Coercion Experience and Verbal Tactics Predicting College Women's Self-Esteem

Halle Lane

Faculty Mentor: Suzanne Osman - Psychology

5. Organometallic MRI Contrast Agents

Melanie Staszewski and Marissa Izykowicz

Faculty Mentor: Anthony Rojas - Chemistry

6. Measuring the Economic Effects of Sea Level Rise on Coastal Recreation in Delaware Using a Combined Travel Cost and Contingent Behavior Model

Kelsey Poisal

Faculty Mentor: Sonja Kolstoe - Economics and Finance

7. Quantifying the Effects of Verapamil on Peripheral Nerve Degeneration in Hyperglycemic Zebrafish

Zoe Behrman

Faculty Mentor: Jessica Clark - Biological Sciences

8. Investigations into Multiple Acetyl-CoA Assimilation Pathways in a Single Organism

Aerin Rost - Nasshan

Faculty Mentor: Michael Carter - Biological Sciences

9. The Effects of Lavendustin-A on Peripheral Nerve Degeneration in Hyperglycemic Zebrafish

Madison MacDougall

Faculty Mentor: Jessica Clark - Biological Sciences

10. 75 Years Later: Exploring the Polish Perspective of the Holocaust

Nathaniel Sansom

Faculty Mentor: Brian Polkinghorn - Conflict Analysis and Dispute Resolution

11. How the Mind Controls Pain: The Effectiveness of Psychotherapy in Reducing Chronic Lower Back Pain

Juliana Ancalmo

Faculty Mentor: Timothy Werner - Exercise Science

12. The Effects of Phospholipids on Protocell Membrane Stability

Lauren Miller, Erik Croft, Evangelina Fermin - Cordero, KyawHsu Thway, and Alyssa Filart

Faculty Mentor: Eugene Williams - Biological Sciences

13. Markov Chain Analysis of Candlestick Chart Patterns on Popular ETFs

Katelin Stella - Breeding

Faculty Mentor: Lori Carmack - Mathematics

14. Sex Ratio of Spotted Turtles During Breeding Season on the Delmarva Peninsula

Allison Sokola, Matthew Addicks, and Aaliyah Beam

Faculty Mentor: Eric Liebgold - Biological Sciences

15. Temporal Pattern of Predator Activity in Endangered Spotted Turtle Habitat Using Camera Traps

Gregory Leasure and Marissa Mills

Faculty Mentor: Eric Liebgold - Biological Sciences

16. What the Shell?: Spotted Turtle Injury Rate in Relation to Canopy Cover

Emily Bilhuber

Faculty Mentor: Eric Liebgold - Biological Sciences

17. Why Trox Rock: Species Descriptions and Taxonomic Keys to the Trox Beetles in Maryland

Wilhelmina Mensah

Faculty Mentor: Dana Price - Biological Sciences

18. Radiant Cooling Efficiency in Small-Scale Buildings

Ellen Berry

Faculty Mentor: Matthew Bailey - Physics

19. Rebuilding Community During COVID-19: Fostering Relationships Through Restorative Practice

Megan Neal

Faculty Mentor: Rebecca Anthony - Social Work

20. Children's Memories on Details of How and Where Learning Occurred

Regan Benton, Jada Mitchell, and Abigail Miano - Burkhardt

Faculty Mentor: Rhyannon Bemis - Psychology

21. Materialistic Microorganisms: A Study of Six Clinically Significant Microorganisms' Length of Viability on Commonly Worn Fabrics in Hospitals

Miranda Skelley

Faculty Mentor: Diane Davis - Medical Laboratory Science

22. Mindfulness and Quality of Life: Is Generalized Anxiety Worth Consideration?

Emaline Printz

Faculty Mentor: Karl Maier - Psychology

23. Integrity of the Optic Nerve in Adult Hyperglycemic Zebrafish

Jessica Pierce

Faculty Mentor: Jessica Clark - Biological Sciences

24. Development of the ThinSat GRWS (GNSS-R Rogue Wave Surveyor)

Ethan Gray

Faculty Mentor: Giulia Franchi - Computer Science

25. The Psychological and Neurological Health Effects of Ambient Temperature Increases Associated with Global Warming

Jacob Nutter

Faculty Mentor: Karl Maier - Psychology

26. Fluorescence Assays of Magnesium Interactions with *E. coli* Cells

Samantha Schauburger

Faculty Mentor: Joshua Sokoloski - Chemistry

27. Regulation of Acetyl-CoA Assimilation by RamB in *Rhodobacter capsulatus* SB1003

Caitlyn Edman, Naomi Perry, and Katharina Kremer

Faculty Mentor: Michael Carter - Biological Sciences

28. Structural Analysis of SARS-CoV- 2 RNA Noncoding Regions

Brandon Tenaglia

Faculty Mentor: Joshua Sokoloski - Chemistry

29. The Effects of an 11-Week Resistance Training Program on Arterial Stiffness in Females

AteebUllah Mirza

Faculty Mentor: Timothy Werner - Exercise Science

30. Salisbury University Speaks for the Birds – And Not Just Sea Gulls

Rose Devito

Faculty Mentor: Jeremy Corfield - Biological Sciences

31. Somethings Got to Give! Neural Trade-Offs in Ducks

Alyson Madigan

Faculty Mentor: Jeremy Corfield - Biological Sciences

32. Habitat Assessment of the State Endangered King's Hairstreak and Larval Color Polymorphism in the Common Gray Hairstreak

Brittany Grubb

Faculty Mentor: Dana Price - Biological Sciences

33. Adapting to Stress: Changes in Phytochelatin Synthase Expression in *Chlamydomonas reinhardtii* Under Mercuric Stress

Briana Branch and Shamayim Rehman

Faculty Mentor: Jennifer Nyland - Biological Sciences

34. Probiotic Treatment Effect on Cannabis Growth

Julia Pence

Faculty Mentor: Les Erickson - Biological Sciences

35. Risk Factor Data Analysis for SARS-CoV-2 Patients on Colombia

Sebastian Romero Laguna

Faculty Mentor: Enyue Lu - Computer Science

36. Simulation and Gaming: How to Teach Climate Change Behavioral Adaptation

Shelby Gash

Faculty Mentor: Karl Maier - Psychology

37. Effect of Acute Creatine Supplementation on Arterial Stiffness and Muscle Oxygen Saturation

Diane Kalita

Faculty Mentor: Timothy Werner - Exercise Science

38. Disability Erasure in *Avatar*

Kendall Pearl

Faculty Mentor: Carolyne King - English

39. Public History Programming for Children: Early Transatlantic Trade

Kacie Cassar

Faculty Mentor: Celine Carayon - History

40. Creation of a Stimulation Program on English Auditory Discrimination Skills of Spanish-Speaking Preschoolers

Erika Velasquez

Faculty Mentor: Brian Flores - Early and Elementary Education

41. Humanizing Childbirth Care of Women in Situations of Violence or Substance Abuse

María Rojas Rodríguez

Faculty Mentor: Tina Reid - Nursing

42. Functional Sympatholysis: A Collection of Vasodilatory Responses that Are Inhibited in Hypertensive Adults

Ryan Hughes

Faculty Mentor: Scott Mazzetti - Exercise Science

43. Design of an Augmented Reality Application for the Visualization and Description of the Augustinian Stone Images of the San Agustin Archaeological Park

Jhon Perdomo Gonzalez

Faculty Mentor: Andrea Presotto - Geography and Geosciences

44. Mutualistic Dynamics of Dispersing Bats in Ecological Restoration as a Nature-Based Solution

Daniela Barón Cruz, Lizeth Hoyos Díaz, and Luis Carvajal Pinilla

Faculty Mentor: Aaron Hogue - Biological Sciences

45. Importance of Seed-Dispersing Bats in Sub-Andean Forest Restoration and the Effect of Bat Populations in Agroforestry Systems

Lizeth Hoyos Díaz, Daniela Barón Cruz, and Luis Carvajal Pinilla

Faculty Mentor: Aaron Hogue - Biological Sciences

46. Performance Evaluation of an Antagonistic Generative Neural Network in the Generation of an Image Bank of Panoramic Human Dental Radiographs

Erlyn Cediell

Faculty Mentor: Brian Stiegler - Center for International Education

47. The Role of Memory Binding in Children's Accurate Recall of Learning Events

Abigail Miano-Burkhardt, Regan Benton, and Jada Mitchell

Faculty Mentor: Rhyannon Bemis - Psychology

48. Nationalistic Attitudes and the Motivated Denial of Climate Change: An Experimental Study

Marissa Schmidt, Jenna Hutson, Briana Murray, and Gabrielle Atkinson

Faculty Mentor: Mark Walter - Psychology

49. Efficacy of a Visual and Auditory Sensory Stimulation Program for People with Mild Cognitive Impairment

Andrea Jaramillo

Faculty Mentor: Echo Leaver - Psychology

IV. Outstanding Research Mentor Award

The Salisbury University Student Research Conference Committee is pleased to announce the Outstanding Research Mentor Award during the Welcoming from 6-6:30 p.m. This award celebrates faculty mentors who have proven excellent supervisors of student research or creative work.

2021 Outstanding Research Mentor Award Nominees

Dr. Joseph Anderson – Computer Science

Dr. Larence Becker – Psychology

Dr. Jessica Clark – Biological Sciences

Dr. Jeremy Corfield – Biological Sciences

Dr. Brittany Foutz – Conflict Analysis & Dispute Resolution

Dr. Jennifer Liston – Art

Dr. Enyue Lu – Computer Science

Dr. Scott Mazzetti – Exercise Science

Dr. Anthony Rojas – Chemistry

Dr. Kristen Walton – History

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

Kelise Endicott published a book review "Re/Writing the Center: Approaches to Supporting Graduate Students in the Writing Center," which has been accepted for publication in *The Peer Review*, Issue 4

Emily Lanehart co-authored "Buchwad-Hartwig Amination, High-Throughput Experimentation, and Process Chemistry: An Introduction Via Undergraduate Experimentation," which has been accepted for publication in the *Journal of Chemical Education*

Jamie Nicholson co-authored "Predicting body-esteem based on type of sexual victimization experience," which has been accepted for publication in the *Journal of Interpersonal Violence*

Sinélia Peixoto co-authored "More, Faster, Neater: Middle School Students' Self-Assessed Literacy Concerns," which has been accepted for publication in the *Journal of Adolescent and Adult Literacy*

Jalissa Worthy co-authored “The Process of a Cross-Cultural Community Collaboration,” which has been accepted for publication in *Collaborations: A Journal of Community-Based Research and Practice*.

Student Publications in *Laridae*

Madison Baloy published “The History, Lifecycle, and Importance of the Hawaiian Language: An Overview” in *Laridae*, 2nd Edition, Fall 2020

Matthew Bernor published “Deforestation Policies in Oregon and the European Union” in *Laridae*, 2nd Edition, Fall 2020

Anna Brennan published “Germ-Free Environment Associated Immune Dysregulation” in *Laridae*, 2nd Edition, Fall 2020

Brianna Domenick published “Women’s Education and Careers: Understanding the Gender Gap in STEM and Engineering” in *Laridae*, 2nd Edition, Fall 2020

Allison Guy published “The Definition of Grammar in the Writing Center: A Research Study” in *Laridae*, 2nd Edition, Fall 2020

Brittany Grubb published “Putting a Check in All the Boxes: The Case for the National Voter Registration App” in *Laridae*, 2nd Edition, Fall 2020

Madison Jermain, Steven Carlson, published “Investigating Regulation of 3-Hydroxypropionate Assimilation in *Rhodobacter Sphaeroides*” in *Laridae*, 2nd Edition, Fall 2020

Cailyn Joseph published “Western Views and How They Harm Conservation Efforts” in *Laridae*, 2nd Edition, Fall 2020

Madison MacDougall and Marrissa Izykowicz published “The Wizarding World of Oncology: Harry Potter, Cancer Initiating Stem Cells, and the Tumor Microenvironment” in *Laridae*, 2nd Edition, Fall 2020

Michael Mandulak published “Implementation of Improved Parallel Stable Matching Algorithms” in *Laridae*, 2nd Edition, Fall 2020

Amber Ngo published “Quantification of Mg²⁺ Ion Uptake and Release with *Escherichia coli* Cells” in *Laridae*, 2nd Edition, Fall 2020

Samantha Steltzer published “The Lowell Textile Mills: The Economic Independence of the Lowell Mill Girls” in *Laridae*, 2nd Edition, Fall 2020

Haley Taylor published “Affordable Housing First: A Transition from Emergency Care to Prevention of Chronic Homelessness” in *Laridae*, 2nd Edition, Fall 2020

Ines Nana Tchienga, Tehzeeb Hassan, Kaitlyn Nibblet, Francis Morgan, Emma Schmitt, Shannon Chambers, published “The Effects of Music and Movies on Dental Anxiety” in *Laridae*, 2nd Edition, Fall 2020

Student Presentations at the National Conference on Undergraduate Research

Emily Alessandrini presented “Survivability of Clinically Significant Bacteria on Blood Glucose Test Strips” at the National Conference on Undergraduate Research, April 2021

Shania Bailey presented “A Retrospective Chart Review of Patients Receiving Palliative Radiation Therapy at Peninsula Regional Medical Center in 2018 and 2019” at the National Conference on Undergraduate Research, April 2021

Emily Ball presented “‘The Ballad’: What Happens When Cinderella Reclaims Her Narrative?” at the National Conference on Undergraduate Research, April 2021

Abigail Boltz presented “Personality as a Predictor of Personal Finance Decisions” at the National Conference on Undergraduate Research, April 2021

Brandon Chang presented “Assembly and Characterization of Quantum Dot Solar Cell Sensitized Solar Cells Utilizing Aqueous Copper Indium Sulfide Quantum Dots” at the National Conference on Undergraduate Research, April 2021

Johannah Cooper presented “Implications for Immigrants: A Needs-Assessment of Wicomico County” at the National Conference on Undergraduate Research, April 2021

Tasneem Elbashir presented “‘Intelligent’ Organometallic MRI Contrast Agents” at the National Conference on Undergraduate Research, April 2021

Mackenzie Gladhill presented “The Effects of Three Single Amino Acid Mutations in the XPD Gene on the Structure and Function of the DNA Helicase It Encodes For, and Their Role in the Development of Preeclampsia” at the National Conference on Undergraduate Research, April 2021

Allison Guy presented “The Definition of Grammar in the Writing Center: a Research Study” at the National Conference on Undergraduate Research, April 2021

Marrissa Izykowicz and Melanie Staszewski presented “Organometallic MRI Contrast Agents” at the National Conference on Undergraduate Research, April 2021

Thomas Long presented “Union Loyalists in Talbot County, Maryland” at the National Conference on Undergraduate Research, April 2021

Alyson Madigan presented “Somethings Got to Give! Neural Tradeoffs in Ducks” at the National Conference on Undergraduate Research, April 2021

Abigail Miano-Burkhardt, Regan Benton, and Jada Mitchell presented “The Role of Memory Binding in Children's Accurate Recall of Learning Events” at the National Conference on Undergraduate Research, April 2021

Ateebullah Mirza presented “The Effects of a 11-Week Resistance Training Program on Arterial Stiffness in Females” at the National Conference on Undergraduate Research, April 2021

Brianna Price presented “Reading Aloud in the Writing Center: Perspectives from Tutors and Writers” at the National Conference on Undergraduate Research, April 2021

Sheridan Sargent presented “Regeneration of Peripheral Motor Nerves Following Hyperglycemic Induction in *Danio rerio*” at the National Conference on Undergraduate Research, April 2021

Corinne Sherry presented “Portfolio Diversification and Firm Success: ans-curve Hypothesis” at the National Conference on Undergraduate Research, April 2021

Sean Springmann presented “Video Analysis of Physics Experiments with Tracker” at the National Conference on Undergraduate Research, April 2021

Thomas Sistek presented “Relationships Between Waterfowl Beak Morphology Feeding Ecology and Sensory Brain Region/Pathway Structure” at the National Conference on Undergraduate Research, April 2021

Julie Talbert presented “Stereoselective Synthesis of a Potential 5-HT_{2A} Agonist” at the National Conference on Undergraduate Research, April 2021

Brandon Tenaglia presented “Structural analysis of SARS-CoV-2 RNA noncoding regions” at the National Conference on Undergraduate Research, April 2021

Student Presentations at Posters on the Bay

Chacier Alexander presented “The Terrorist Aftermath: Analyzing the effects of radicalization in Morocco” at the Fifth Annual Posters on the Bay, March 2021

Niko Alexander presented “Assessing Relationships Between Insects and Plant Structure on Poplar Island, Maryland” at the Fifth Annual Posters on the Bay, March 2021

Alberto Blanco presented “Reducing Children's Malnutrition” at the Fifth Annual Posters on the Bay, March 2021

Rachel Clausen presented “Best Management Strategies for Shoreline Protection: A Comparative Analysis of Managed Retreat Schemes in the United States and Great Britain” at the Fifth Annual Posters on the Bay, March 2021

Desmond Creek presented “Education Policy: Racial Disparity among Teachers” at the Fifth Annual Posters on the Bay, March 2021

Johannah Cooper presented “Implications for Immigrants: A Needs-Assessment of Wicomico County” at the Fifth Annual Posters on the Bay, March 2021

Mackenzie Gladhill presented “The Effects of Three Single Amino Acid Mutations in XPD Gene on the Structure and Function of the DNA Helicase it Encodes for and Their Role in the Development of Preeclampsia” at the Fifth Annual Posters on the Bay, March 2021

Brittany Grubb presented “Putting a Check in all the Boxes: The Case for the National Voter Registration App” at the Fifth Annual Posters on the Bay, March 2021

Marrissa Izykowitz and Melanie Staszewski presented “Organometallic MRI Contrast Agents” at the Fifth Annual Posters on the Bay, March 2021

Joshua Killen presented “Applied Rapid Prototyping Technologies in the Arts” at the Fifth Annual Posters on the Bay, March 2021

Sebastian Romero Laguna presented “Unified System of Management of Medical Appointment System for Colombia” at the Fifth Annual Posters on the Bay, March 2021

Mackenzie Nickle and Gwynne Richardson presented “How Social Media Contributed to Trump's Support and Approval” at the Fifth Annual Posters on the Bay, March 2021

Sheridan Sargent presented “Regeneration of Peripheral Motor Axons and Myelin Sheath Following Recovery from Hyperglycemic Induction in *Danio Rerio*” at the Fifth Annual Posters on the Bay, March 2021

Kathleen Sonneveldt presented “The Integration of Environmental Motives into Sister Cities International to Support Their Program and Sustainability” at the Fifth Annual Posters on the Bay, March 2021

Haley Taylor presented “Affordable Housing First: A Transition from Emergency Care to Prevention of Chronic Homelessness” at the Fifth Annual Posters on the Bay, March 2021

Brandon Tenaglia presented “Structural Analysis of SARS-CoV-2 RNA Noncoding Regions” at the Fifth Annual Posters on the Bay, March 2021

Student Presentations at the Summer Student Research Showcase

Chris Aguilar presented “An MCMC Simulation of the S&P 500 Index” at the annual Salisbury University Summer Student Research Showcase, September 2020

Katelin Anderson presented “TL;DR: How Students Use Sources” at the annual Salisbury University Summer Student Research Showcase, September 2020

Grace Burton presented “CIRCLES: The Software for Social Identity Mapping Structure” at the annual Salisbury University Summer Student Research Showcase, September 2020

Kacie Cassar presented “Political Engagement at Salisbury University” at the annual Salisbury University Summer Student Research Showcase, September 2020

Lilia Dobos presented “‘Personality Caricatures’ on TikTok” at the annual Salisbury University Summer Student Research Showcase, September 2020

La’Tier Evans and Da’Juon Washington presented “Supporting Online Discourse Through Proportional Relationships” at the annual Salisbury University Summer Student Research Showcase, September 2020

Kimberly Arriaga Gonzalez and Esteban Garcia-Ailon presented “KatziTxumu’n: Native Thoughts” at the annual Salisbury University Summer Student Research Showcase, September 2020

John Gorman presented “Female Túngara Frogs: Furtive or Frenetic?” at the annual Salisbury University Summer Student Research Showcase, September 2020

Marrissa Izykowicz presented “Does Grit (Passion and Perseverance) Predict Success in Introductory Chemistry Courses?” at the annual Salisbury University Summer Student Research Showcase, September 2020

Mason Kimbell and Maliak Green presented “Connecting a Partial Order” at the annual Salisbury University Summer Student Research Showcase, September 2020

Michael Mandulak presented “Analysis of the Convergent Parallel Iterative Improvement Stable Matching Algorithm” at the annual Salisbury University Summer Student Research Showcase, September 2020

Eliabeth Marsh presented “African Elephant Navigation: Risks and Safety Around Human Influenced Areas” at the annual Salisbury University Summer Student Research Showcase, September 2020

James Meashey presented “Geography, Well-Being, and GIS” at the annual Salisbury University Summer Student Research Showcase, September 2020

YadanarThan Naing presented “Discovering Novel L-Ascorbate Metabolisms Using a Computer-Based Tool” at the annual Salisbury University Summer Student Research Showcase, September 2020

Courtney Rogall presented “Maryland’s Pollinators of Concern” at the annual Salisbury University Summer Student Research Showcase, September 2020

Nathaniel Sansom presented “Comparative Analysis of Best Practices Utilized by UNA Chapters Across the Southern Region” at the annual Salisbury University Summer Student Research Showcase, September 2020

Thomas Sistek presented “Correlations Between Waterfowl Beak Morphology, Via Feeding Adaptations, and Resulting Differentiations in Sensory Brain Region/Pathway Structure” at the annual Salisbury University Summer Student Research Showcase, September 2020

Jack Stoetzel, Declan Sheehan, and Mason Kimbell presented “Applying Machine Learning for Classifying Biomedical and COVID-19 Literature” at the annual Salisbury University Summer Student Research Showcase, September 2020

Brandon Tenaglia presented “Investigating the Secondary and Tertiary Structures of the Noncoding Regions of SARS-CoV-2” at the annual Salisbury University Summer Student Research Showcase, September 2020

Ian Thomas presented “GPU Accelerated Graph Based Anomaly Detection” at the annual Salisbury University Summer Student Research Showcase, September 2020

Noah Utz presented “A Comparative Analysis of Teaching Critical Thinking” at the annual Salisbury University Summer Student Research Showcase, September 2020

Lindsey Ward presented “A ‘Pawsom’ Reward for All: Marketing to Increase Donations in Non-Profit Organizations” at the annual Salisbury University Summer Student Research Showcase, September 2020

April Winterson presented “Stakeholder's perceptions and practices of reading in the context of 100 Book Challenge” at the annual Salisbury University Summer Student Research Showcase, September 2020

Student Fellowships

Abiodun Adeoye received a Critical Language Scholarship to Tanzania (Swahili)

Abiodun Adeoye received a Hertog Fellowship to Washington, D.C.

Abiodun Adeoye was a semifinalist for the Fulbright U.S. Student Award to Kyrgyzstan

Abiodun Adeoye was a semifinalist for the Fulbright U.S. Student Award to Namibia

Abiodun Adeoye received a Rangel Scholarship

Abiodun Adeoye was a first alternate for a Pickering Scholarship

Jude Al-Hamad received a United Nations Millennium Fellowship

Chacier Alexander was selected for Public Policy International-Affairs Junior Summer Institute Fellowship Program to Berkeley (California)

Brian Anderson received a Bosserman UNESCO fellowship to Paris

Kimberly Arriaga-Gonzalez was a semifinalist for the Fulbright U.S. Student Award to Peru

Nathan Ashley received a Deutscher Akademischer Austauschdienst (German Academic Exchange Service) Research Internships in Science and Engineering to Germany (Greifswald)

Zia Ashraf was semifinalist for the Fulbright U.S. Student Award to Finland (Tampere)

Ayawawi “Gloria” Atameklo was a semifinalist for the Fulbright U.S. Student Award to Germany

Zoe Behrman received a Goldwater Scholarship

Rachel Berley received a Deutscher Akademischer Austauschdienst (German Academic Exchange Service) Research Internships in Science and Engineering to Germany (Karlsruhe)

Abigail Boltz was a semifinalist for the Fulbright U.S. Student Award to Finland (Turku)

Lela Bones received an Amgen Scholars Program fellowship to Johns Hopkins for Summer research

Anna Brennan received a Goldwater Scholarship

Anna Brennan received a United Nations Millennium Fellowship

Briana Branch was a semifinalist for the Fulbright U.S. Student Award to UK (Birmingham)

Abigail Brown received a United Nations Millennium Fellowship

John Bunke received a Critical Language Scholarship to Azerbaijan (Azerbaijani)

John Bunke received Boren Scholarship to Azerbaijan

John Bunke received the Fulbright U.S. Student Award to Azerbaijan

Christian Ciattei received a Deutscher Akademischer Austauschdienst (German Academic Exchange Service) Research Internships in Science and Engineering to Germany (Hannover)

Rachel Clausen received a United Nations Millennium Fellowship

Johannah Cooper was a semifinalist for the Fulbright U.S. Student Award to Paraguay

Johannah Cooper received a United Nations Millennium Fellowship

Austin Dabbs received the Fulbright U.S. Student Award to Germany

Rayna Dannis was a semifinalist for the Fulbright U.S. Student Award to Azerbaijan

Mia Dikos received the Fulbright U.S. Student Award to Spain

Aida Dodoo was an alternate for the Boren Scholarship to Senegal

Aida Dodoo received a United Nations Millennium Fellowship

Kirstyn Dugger was a semifinalist for the Fulbright U.S. Student Award to North Macedonia

Cassandra Duncan received a United Nations Millennium Fellowship

Hailey Griffin received a United Nations Millennium Fellowship

Tehzeeb Hassan received Boren Scholarship to Turkey

Eva Fialkowski was a semifinalist for the Fulbright U.S. Student Award to India

Will Fried was an alternate for the Fulbright U.S. Student Award to Finland

Shayna Grossberg received a Critical Language Scholarship to Azerbaijan (Turkish)

Courtney Hammond was a semifinalist for the Fulbright U.S. Student Award to Germany

Marrissaa Izykowicz received a Goldwater Scholarship

Jack Lenox received the Agnes and Margaret Macmillan - St. Andrew's Society Scholarship to Scotland

Jack Lenox was a semifinalist for the Fulbright U.S. Student Award to Finland (Tampere)

Harrison Leon received a Coros Fellowship

Clayton Levy was an alternate for the Fulbright U.S. Student Award to Bulgaria

Thomas Long was a semifinalist for the Fulbright U.S. Student Award to UK (Strathclyde)

Madison MacDougall received a Fulbright to Canada Mitacs Globalink Program (University of Laval-Quebec)

Martina Maya-Callan received the Running Start Fellowship to Washington, D.C.

Abigail Miano-Burkhardt was a semifinalist for the Fulbright U.S. Student Award to Taiwan (Taipei Medical School)

Alison Nalesnik was a semifinalist for the Fulbright U.S. Student Award to Poland

Lydia Narum received the Fulbright U.S. Student Award to Slovakia

Jessica Pierce received a Fulbright U.S. Student Award to Norway

Jessica Pierce was a finalist for the Marshall Scholarship to the United Kingdom

Jessica Pierce received a Goldwater Scholarship

Jessica Pierce was selected for an NIH Summer Research Internship

Jessica Pierce was named United Nations Millennium Fellow

Evan Polkinghorn received a United Nations Millennium Fellowship

Madeleine Poteet received Boren Scholarship to Indonesia

Madeleine Poteet received a United Nations Millennium Fellowship

Dorien Rogers was a finalist for the Harry S Truman Scholarship

Julia Rohrer was a semifinalist for the Fulbright U.S. Student Award to Panama

Nate Sansom received a United Nations Millennium Fellowship

Jessica Scanlon was a semifinalist for the Fulbright U.S. Student Award to Israel

Victoria Seilbeck received a United Nations Millennium Fellowship

Samuel Stevens received the Fulbright U.S. Student Award to Hungary

Kathryn Stout was a semifinalist for the Fulbright U.S. Student Award to Serbia

Gabrielle Voithoefer received the Fulbright U.S. Student Award to Poland

Kendal Ward was a semifinalist for the SMART (Science, Mathematics, and Research for Transformation) Scholarship

Sandra Zelaya received a United Nations Millennium Fellowship

Student Presentations and Performances

Omar Aboul-Enein presented a paper “Formalizing Performance Evaluation of Mobile Manipulator Robots Using CTML” at the American Society of Mechanical Engineers (ASMSE) 2020 International Mechanical Engineering Congress and Exposition, November 2020. Outstanding Paper Award Runner-Up for the ASME IMECE Advanced Manufacturing Track

Emily Alessandrini presented “Survivability of Clinically Significant Bacteria on Blood Glucose Test Strips” at the Northeast Regional Honors Council Conference, April 2021

Blessing Ajayi presented “Giving back, bringing up: Impact of mentors of Color on students of Color” at the 38th Annual Teachers College Winter Roundtable, February 2021

Blessing Ajayi presented “CPAR collaborations with community youths during pandemic: Perspectives of undergraduate students of Color” at the Annual Conference of the Association of Women in Psychology, March 2021

Katelin Anderson presented “Patchwork Writing: Returning to Common Paraphrase Instruction” at the Conference on College Composition and Communication, April 2021

Jacob Beaver will be presenting “Zack Snyder’s *Justice League*: A Case Study of the Auteur in Contemporary Cinema” at the Popular Culture Association Conference, June 2021

Regan Benton, Abigail Miano-Burkhardt, and Jada Micthell presented “Children’s Memories on Details of How and Where Learning Occurred” at the Annual Meeting of the Eastern Psychological Association, March 2021

Gisselle Canales presented “Struggles and strategies in working with community youth over Zoom” at the 38th Annual Teachers College Winter Roundtable, February 2021

Mason Cervantes presented “Sprint Interval Training on Stationary Air Bike Shows Benefits to Cardiorespiratory Adaptations While Being Time-Efficient” at the American College of Sports Medicine Annual Meeting & World Congresses (Spring 2021) and Mid-Atlantic Regional Conference (Fall 2020)

Soleil Darbouze presented “Struggles and strategies in working with community youth over Zoom” at the 38th Annual Teachers College Winter Roundtable, February 2021

Soleil Darbouze presented “CPAR collaborations with community youths during pandemic: Perspectives of undergraduate students of Colo” at the Annual Conference of the Association of Women in Psychology, March 2021

Breland Daye presented “Giving back, bringing up: Impact of mentors of Color on students of Color” at the 38th Annual Teachers College Winter Roundtable, February 2021

Whitney Demond presented “The Impact of COVID-19 on the LGBTQ+ Community” at the Annual Meeting of the Eastern Psychological Association, March 2021.

Kelsie Endicott presented “A Confluence of Pedagogy: Approaches to Composition Instruction” at the National Conference for Teachers of English (NCTE), November 2020

Kelsie Endicott presented “An exploration of Reading within a University Writing Center Context” at the Annual Literacy Research Association (LRA) Conference, December 2020

Kelsie Endicott presented “Flying Under the Radar: The Role of Reading in a University Writing Center” at the Conference on College Composition and Communication, April 2021

Allison Guy presented “The Definition of Grammar in the Writing Center: A Research Study” at the Mid-Atlantic Writing Centers Association Conference, March 2021

Romona Harden presented “Giving back, bringing up: Impact of mentors of Color on students of Color” at the 38th Annual Teachers College Winter Roundtable, February 2021

Romona Harden presented “CPAR collaborations with community youths during pandemic: Perspectives of undergraduate students of Color” at the Annual Conference of the Association of Women in Psychology, March 2021

Marrissa Izykowicz presented “Organometallic MRI Contrast Agents” at the Annual Meeting of the American Chemical Society, March 2021.

Jak’Quan Jackson presented “Struggles and strategies in working with community youth over Zoom” at the 38th Annual Teachers College Winter Roundtable, February 2021

Thomas Long presented, “Union Loyalists in Talbot County, Maryland” at the Northeast Regional Honors Council Conference, April 2021.

Madison MacDougall presented “Social Psychology and Panel Peer Review: Making the Most Powerful Decisions” at the Northeast Regional Honors Council Conference, Baltimore, MD, April 2019

Sebastian Mantilla presented “Experiences of undergraduate students of color in the Accelerated Mentoring Program” at the 38th Annual Teachers College Winter Roundtable, February 2021

Jenna Markland presented “The Impact of COVID-19 on the LGBTQ+ Community” at the Annual Meeting of the Eastern Psychological Association, March 2021

Samantha McJilton presented “Profiling Populations Unjustly At-Risk: College Students Struggling for a Voice in COVID-19 Decisions” at the Association of Baccalaureate Social Work Program Directors Conference, April 2021

Brittany McKinley presented “Profiling Populations Unjustly At-Risk: College Students Struggling for a Voice in COVID-19 Decisions” at Association of Baccalaureate Social Work Program Directors Conference, April 2021

Isaiah Myers presented “Experiences of undergraduate students of color in the Accelerated Mentoring Program” at the 38th Annual Teachers College Winter Roundtable, February 2021

Megan Neal presented “A Need for Community in a Virtual World: Using Restorative Practices to Strengthen Relationships” at Cross-National Perspectives on Social Work in the Time of COVID-19, International Virtual Conference, March 2021

Jamie Nicholson presented “Predicting body-esteem based on type of sexual victimization experience” at the Annual Meeting of the Eastern Psychological Association, March 2021

JaNya Odom presented “Experiences of undergraduate students of color in the Accelerated Mentoring Program” at the 38th Annual Teachers College Winter Roundtable, February 2021

Ashley Olortegui presented “The Impact of COVID-19 on the LGBTQ+ Community” at the Annual Meeting of the Eastern Psychological Association, March 2021

Brianna Price presented “Reading Aloud in the Writing Center: Perspectives of Writers and Consultants at the Mid-Atlantic Writing Centers Association Conference, March 2021

Allyson Rivera presented “Struggles and strategies in working with community youth over Zoom” at the 38th Annual Teachers College Winter Roundtable, February 2021

Allyson Rivera presented “The Impact of COVID-19 on the LGBTQ+ Community” at the Annual Meeting of the Eastern Psychological Association, March 2021

Sheridan Sargent will be presenting “Regeneration of the Peripheral Motor Axons and Myelin Sheath Following Hyperglycemic Induction and Recovery” at Experimental Biology, May 2021

Melanie Staszewski presented “Organometallic MRI Contrast Agents” at the Annual Meeting of the American Chemical Society, March 2021.

Student Awards, Honors, and Other Activities of Distinction

Kristine Allen was awarded a Johns Hopkins Clinical Pathology Tuition Subsidy

Zoe Behrman was awarded the Naval Air Systems Command Research Fellowship Summer 2020

Mason Cervantes was awarded an SU RAP Grant for a project entitled “The Effects of Functional Body-Weight Training on Resting Blood Pressure Measures”

Micheline DeVas was a Finalist, Musical Theatre Intensive at the Kennedy Center American College Theatre Festival (KCACTF).

Georgia Fried’s production *The Baltimore Waltz* was selected to be showcased at the Kennedy Center American College Theatre Festival (KCACTF) – This production was awarded the KCACTF Regional Award and was a National Finalist in Scenic Design

Natasha Hawkins won the Literary Managers and Dramaturgs of the Americas Regional Award for Dramaturgy for *Everybody* (Kennedy Center American College Theatre Festival (KCACTF)

Brandon Lill was a semi-finalist for the Irene Ryan Acting Scholarship

Brandon Lill was awarded Outstanding Performance in a 10-Minute Play by the National Playwriting Program

Brandon Lill was awarded Outstanding Ensemble in a Full-Length Play by the National Playwriting Program (Kennedy Center American College Theatre Festival (KCACTF)

Thomas Long was awarded William Wroten History Scholarship and the Wilcomb Washburn Student Prize in History (SU)

Emma Reider is receiving the National Association of Professional Development Schools Emerging Leader Award

Sandes Saintil won the American Association for Colleges of Teacher Education Exemplar Teaching Award from the Diversity in Teacher Workforce Special Interest Group

Sheridan Sargent was awarded the Council of Undergraduate Research Health Science Grant

Miranda Skelley was awarded the Association of Schools Advancing Health Professions 2020 Scholarship of Excellence Award (\$1,000)

VI. Acknowledgements

- **2021 SUSRC Graphics & Program Cover:**

- Nick Nuwer (Winner 2021 SUSRC Poster Contest)
 - Special Thanks
 - Allison Seth, Assistant Professor, Art Department
 - Recognizing Other Student Poster Designers
 - Emili Hibbits
 - Shay Wallace
 - Miranda Osborne
 - Emma Simpkins
 - Melissa Richardson
 - Luke Rolen

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

Dr. Clifton Griffin, *Dean of Graduate Studies & Research*
Elizabeth Geiger, *Specialist Graduate Enrollment*
Vanessa Collins, *Research & Account Compliance Specialist*
Teri Herberger, *Director of Sponsored Research Programs*
Donna Knopf, *Executive Administrative Assistant*
Haleigh LaChance, *Contract & Grants Specialist*
Jessica Scott, *Graduate Program Manager*
Beth Walsh, *Grants Specialist*
Dr. Doug DeWitt, *Graduate Council Chair*
Dr. Yvonne Downie-Hanley, *Graduate Council Vice-Chair*

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

Rhyannon Bemis, *Director*
Arnaud Guyon, *Graduate Assistant*

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

2020-2021 Cohort of OURCA Undergraduate Research Fellows:

Anna Brennan, *Biology and Interdisciplinary Studies*
Evan Polkinghorn, *Biology*
Nathaniel Sansom, *Political Science and Conflict Analysis and Dispute Resolution*
Ines Tchienga, *Psychology*

- **SU Student Research Conference Committee:**
 Lisa Ball, *Henson School of Science and Technology*
 Rhyannon Bemis, *Psychology*
 Moushumi Chakraborty, *Library*
 Jessica Clark, *Biological Sciences*
 Brian Hill, *Economics and Finance*
 Sherry Maykrantz (chair), *Community Health*
 Aurélie Van de Wiele, *Modern Languages and Interclutural Studies*
 Tim Werner, *Exercise Science*
 Arnaud Guyon, *OURCA GA*

- **Administration Support:**
 Dr. Charles A. Wight, *President*
 Dr. Karen Olmstead, *Provost and Vice President of Academic Affairs*
 Dr. Richard Wilkens, *Associate Provost*
 Dr. Clifton Griffin, *Dean of Graduate Studies and Research*
 Dr. Michael Scott, *Dean of the Richard A. Henson 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. Kelly Fiala, *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 the Glenda Chatham and Robert G. Clarke Honors College*
 Dr. Beatriz Hardy, *Dean of Libraries and Instructional Resources*

- **Technical Support:**
 Donna Knopf, Robin Hoffman, Degan Allen, Melissa Thomas, Scott Garrison, Todd Smith

***Thank you to all our presenters, mentors, volunteers,
support folks, and committee members!***

***See You at the 20th Annual Salisbury University
Student Research Conference in April 2022***

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
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- 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)

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SU is an Equal Opportunity/AA/Title IX university and provides reasonable accommodation given sufficient notice to the University office or staff sponsoring the event or program. For more information regarding SU's policies and procedures, please visit www.salisbury.edu/equity.

www.salisbury.edu/ourca

SALISBURY

CALL FOR SUBMISSIONS

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- A large, colorful illustration featuring a central open book with various academic and scientific icons floating above it. The icons include a compass, calculator, DNA helix, lightbulb, question mark, microscope, hourglass, classical building, atom, play button, and many others, all set against a background of radiating lines.

