

2019
SUSRC

Salisbury University Student Research Conference

Friday, April 26, 2019 • 12:30-7:30 p.m.

Henson Science Hall and Guerrieri Academic Commons

www.salisbury.edu/SUSRC

Salisbury
UNIVERSITY

***18th Annual Salisbury University
Student Research Conference
Friday, April 26, 2019***

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Conference Outline

Registration	Henson Science Hall 107	12:30-4:30 p.m.
Oral Presentation	Henson Science Hall	1:30-5:50 p.m.
Session 1:	1:30-2:50 p.m.	Oral Research Presentations
Panel	Room	Title
1A	HS 109	History: Then and Now
1B	HS 111	Matters of Money
1C	HS 113	Race and Discrimination
1D	HS 115	Laridae: SU's Undergraduate Journal
1E	HS 211	Women, Power, and Sexuality
1F	HS 243	Exercise
1G	HS 337	Ecology
1H	HS 341	Biotechnology
Session 2:	3-4:20 p.m.	Oral Research Presentations
Panel	Room	Title
2A	HS 109	Product Development
2B	HS 111	Physiology
2C	HS 113	Math and Graphing
2D	HS 115	Adventures in Chemical Synthesis
2E	HS 211	Politics in a Modern World
2F	HS 243	The Great Outdoors
2G	HS 337	Art and Awareness
2H	HS 341	Film Studies
Session 3:	4:30-5:50 p.m.	Oral Research Presentations
Panel	Room	Title
3A	HS 109	Technology and Social Media
3B	HS 111	Ethics Bowl
3C	HS 113	Software and Programming
3D	HS 115	Creative Creations
3E	HS 211	Methods to the Madness
3F	HS 243	Television: Sex, Violence, and Ethics
3G	HS 337	Brain Power
3H	HS 341	Biology

Poster Presentation Session with Refreshments

Guerrieri Academic Commons, Fourth Floor Assembly Hall

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

6:30-7:30 p.m. Research Posters, Refreshments, & Outstanding Research Mentor Award

The Registration & Information Table will be open:

12:30-4:30 p.m. • *Henson Science Hall Room 107*
5-6 p.m. • *Guerrieri Academic Commons, Fourth Floor Assembly Hall*

Registration (presenters please check in at least one hour before your session)
12:30-4:30 p.m. • Henson Science Hall Room 107

Information Table Volunteers:

Amy Jones, *Salisbury University Libraries*

Gloria Horner, *Career Services*

Dr. Sang-Eon Park, *Department of Mathematics and Computer Science*

Jennifer Marvin, *Department of Social Work*

Dr. Deneen Long-White, *School of Health Sciences, Community Health Program*

Dr. Suzanne Osman, *Department of Psychology*

Dr. Elizabeth Emmert, *Department of Biological Sciences*

Lisa Howard, *Public Affairs and Civic Engagement (PACE)*

Vanina Gambini de Secondi, *Department of Modern Languages and Intercultural Studies*

Dr. Tammy Donaway, *Perdue School of Business*

Dr. Tylor Claggett, *Department of Economics and Finance*

Dr. Stacia Kock, *Honors College*

Dr. Heather Porter, *Center for Student Achievement*

Dr. Daniel Harris, *Department of Geography and Geosciences*

Oral Presentation Sessions

1:30-5:50 p.m. • Henson Science Hall

Oral Session Moderators:

Dr. Joseph Anderson, *Department of Mathematics and Computer Science*

Dr. Alfred Beebe, *Department of Mathematics and Computer Science*

Dr. Lori Carmack, *Department of Mathematics and Computer Science*

Dr. Michael Carter, *Department of Biological Sciences*

Meghan East, *Medical Laboratory Science Program*

Dr. Brent Fedorko, *Department of Health and Sport Science*

Dr. Seth Friese, *Department of Chemistry*

Dr. Lance Garmon, *Department of Psychology*

Dr. Steve Gehnrich, *Department of Biological Sciences*

Lauren Hill, *Honors College*

Dr. Richard Hoffman, *Department of Management and Marketing*

Dr. John LaManca, *Department of Health and Sport Sciences*

Susan Mahoney, *English Language Institute*

Laura Marinaro, *School of Health Sciences*

Dr. Yuki Okubo, *Department of Psychology*

Gaylord Robb, *Salisbury University Libraries*

Autumn Romanowski, *Department of Exercise Science*

Dr. Michèle Schlehofer, *Department of Psychology*

Jessica Scott, *Graduate Studies and Research*

Dr. Rachel Steele, *Department of Psychology*

Dr. Timothy Stock, *Department of Philosophy*

Dr. Belen Vicens, *Department of History*

Dr. Mark Walter, Department of Psychology
Dr. Kristen Walton, Department of History
Dr. Eugene Williams, Department of Biological Sciences
Dr. Aaron Willis, School of Social Work
Dr. Adam Woodis, Department of Modern Languages and Intercultural Studies

■ ***First Oral Session 1:30-2:50 p.m.***

1A History: Then and Now • Henson Science Hall 109

Moderator: Kristen Walton

1:30-1:45 p.m. **Which Pattern Do I Choose? Exploring 19th Century Ceramics as a Symbol for Social Status in Catonsville, Maryland**
Sara Deming
Faculty Mentor: Elizabeth Ragan - History

1:50-2:05 p.m. **Social Control in China: The Implications of Censorship**
Shelly Baumgartner
Faculty Mentor: Elizabeth Ragan - History

2:10-2:25 p.m. **Yemen's Civil War and its Effects on Cultural Landmarks: Saving Cultural Property through Negotiation and Technology**
Shayna Grossberg
Faculty Mentor: Catherine Jackson - Interdisciplinary Studies

2:30-2:45 p.m. **A Realm Overrun with Brambles and Replenished with Ravening Beasts: Queen Elizabeth I and the Governing of Ireland, 1560-1583**
Abiodun Adeoye
Faculty Mentor: Kristen Walton - History

1B Matters of Money • Henson Science Hall 111

Moderator: Lori Carmack

1:30-1:45 p.m. **Linguistic Structures and Economic Outcomes**
Lulu Cao
Faculty Mentor: Catherine Shufelt - Interdisciplinary Studies

1:50-2:05 p.m. **An Inquiry into the Effects of Aggregate Wages on GDP**
Gabriel Vera
Faculty Mentor: Hong Yao - Economics and Finance

2:10-2:25 p.m. **Financial Analytic Distribution: Quantifying Market Sentiment**
Vincent Nigro, James Borden
Faculty Mentor: Joseph Anderson - Math and Computer Science

2:30-2:45 p.m. **Budget Cuts on the Chesapeake Bay: How Will Fiscal Budget Cuts Harm the Chesapeake Bay Program's Funds?**
Kristie Born
Faculty Mentor: Lauren Hill - Honors

1C Race and Discrimination • Henson Science Hall 113

Moderator: Rachel Steel

1:30-1:45 p.m. **Having a Race Dialogue with a Loved One: The Influence of Family Values, Social Media, and the Current Political Climate**
Temika Carroll, Grace Kim, Yasmine Bailey
Faculty Mentor: Yuki Okubo - Psychology

1:50-2:05 p.m. **Double Jeopardy: Employment Discrimination Experienced by Returning Citizens**
Eleanor Brown
Faculty Mentor: Jennifer Jewell - Social Work

2:10-2:25 p.m. **Conducting Race Dialogue Research Project in a Rural Area: Implications for Promoting Difficult Dialogues**
Maheesha Mudannayake, Jade Gomez, Tyler Montgomery
Faculty Mentor: Yuki Okubo - Psychology

2:30-2:45 p.m. **Tokenism for a Seat at the Table: A Critical Analysis of Representation in the Series Sense8**
Thomas Mannion
Faculty Mentor: Chrys Egan - Communication Arts

1D Laridae: SU's Undergraduate Journal • Henson Hall 115

1:30-2:45 p.m. **How to Publish Your Research and Creative Work**

Harrison Leon, Abey Adeoye, Melissa Marsh, Ben Lenox, Austin Dabbs, Maggie Giggey, Kateria Rodriguez, Zack Radziewicz
Faculty Mentor: Jessica Clark, Chrys Egan - OURCA

1E Women, Power, and Sexuality • Henson Science Hall 211

Moderator: Mark Walter

1:30-1:45 p.m. **To Think Is to Be Sick: Identity and Desire in Barnes's *Nightwood***
Hira Shahbaz
Faculty Mentor: Adam Wood - English

1:50-2:05 p.m. **Hidden Voices of Femicide in Argentina**
Kelsey Chandler
Faculty Mentor: Corinne Pubill - Modern Languages & Intercultural Studies

2:10-2:25 p.m. **The Relationship Between Marriage Roles and Abuses of Child Brides in Ghana**
Ryan Heidenreich
Faculty Mentor: Joseph Venosa - History

2:30-2:45 p.m. **A Piece of Her Taken; Practices of Female Genital Mutilation in Egypt and Gambia**
Benedicta Yirenkyi
Faculty Mentor: Elizabeth Ragan - History

1F Exercise • Henson Science Hall 243

Moderator: Autumn Romanowski

1:30-1:45 p.m. **A Pilot Study: Influence of Short-term Explosive Training on VO2 Max and Maintenance of Power**
Anna Brennan, Kerry Lynch, Mallory Boyd, Evan Eibner, Amar Naboulsi, Ryan Walker, Zachary Schubert, Jerome Thomas, Ryan Wood, Ryan Menusan
Faculty Mentor: Scott Mazzetti - Exercise Science

1:50-2:05 p.m. **A Pilot Study: Influence of Short-term Explosive Sprint and Resistance Exercise on Metabolic Rate During Squat and Bench Press Exercise**
Ryan Wood, Evan Eibner, Ryan Walker, Anna Brennan, Ryan Menusan, Kerry Lynch, Rachel Follman, Amar Naboulsi, Ethan Robbins
Faculty Mentor: Scott Mazzetti - Exercise Science

2:10-2:25 p.m. **A Pilot Study: Energy Cost of Cycling and Instrumental Activities of Daily Living Before and After Explosive Training**
Ryan Menusan, Amar Naboulsi, Kerry Lynch, Ryan Wood, Mallory Boyd, Anna Brennan, Ben Dashiell, Evan Eibner, Chaudhry Bilal
Faculty Mentor: Scott Mazzetti - Exercise Science

2:30-2:45 p.m. **Rapid Weight Loss and Its Presence in the Combat Sport of Mixed Martial Arts**
Daniel Stretz
Faculty Mentor: Timothy Werner - Exercise Science

1G Ecology • Henson Science Hall 337

Moderator: Seth Friese

1:30-1:45 p.m. **A Moment for Your Purse, Forever on the Earth: The Fast Fashion Industry Affects Landfills**
Julianna Mirenzi
Faculty Mentor: Lauren Hill - Honors

1:50-2:05 p.m. **Wetland Trash Detection**

Jackson Bellinger

Faculty Mentor: Giulia Franchi - Math and Computer Science

2:10-2:25 p.m. **An Analysis of Nutrient Concentration and Marine Signaling in a Freshwater Ecosystem Pre- and Post-removal of Dams**

Courtney Hammond

Faculty Mentor: Christina Bradley - Biological Sciences

1H Biotechnology • Henson Science Hall 341

Moderator: Meghan East

1:30-1:45 p.m. **White Blood Cells Identification System Based on Convolutional Neural Networks**

Richard Anderson

Faculty Mentor: Enyue Lu - Math and Computer Science

1:50-2:05 p.m. **ChIP-Seq Analysis for myc proto-oncogene in Human Cancer Cells**

Shania Bailey

Faculty Mentor: Philip Anderson - Biological Sciences

■ *Second Oral Session 3-4:20 p.m.*

2A Product Development Henson Science Hall 109

Moderator: Richard Hoffman

3-3:15 p.m. **An Innovative Arduino Project**

Jacob Linton, Ean Stine

Faculty Mentor: Gene Hahn - Information and Decision Sciences

3:20-3:35 p.m. **INFO 333 Product Development**

Skyler Dahlgren, Ian Tyler

Faculty Mentor: Gene Hahn - Information and Decision Sciences

3:40-3:55 p.m. **Lightpipe 7 - Segment Display**

Tyson Porter, Nyameye Annor

Faculty Mentor: Gene Hahn - Information and Decision Sciences

4-4:15 p.m. **Innovative Product Development Using Arduino**

Victoria Sacco, Michael Bennett

Faculty Mentor: Gene Hahn - Information and Decision Sciences

2B Physiology • Henson Science Hall 111

Moderator: Steve Gehnrich

3-3:15 p.m. **Peripheral Nerve Degeneration Following Hyperglycemic Induction with 120 mM Blucose**

Gabrielle Voithofer

Faculty Mentor: Jessica Clark - Biological Sciences

3:20-3:35 p.m. **Sensory Changes Following Hyperglycemic Induction in *Danio rerio***

Morgan Tibbo, Gabrielle Voithofer

Faculty Mentor: Jessica Clark - Biological Sciences

3:40-3:55 p.m. **Evaluation of Intensive Care Mechanical Ventilator Response Time During Varying Levels of Inspiratory Effort**

Sarah Donley

Faculty Mentor: Robert Joyner - Respiratory Therapy

2C Math and Graphing • Henson Science Hall 113

Moderator: Joseph Anderson

3-3:15 p.m. **Using Perlin Noise for Random Walks**

Andre Lipiec

Faculty Mentor: Joseph Anderson - Math and Computer Science

3:20-3:35 p.m. **Software For Mapping Social Identities**

Samuel Barnes

Faculty Mentor: Joseph Anderson - Math and Computer Science

3:40-3:55 p.m. **Cycle Structures for Finite Cellular Automata Generated Over Groups, Rings, and Fields**

Amy Vennos

Faculty Mentor: Michael Bardzell - Math and Computer Science

4-4:15 p.m. **Conjecture O Holds for Some Horospherical Varieties of Picard Rank One**

Garrett Fowler, Lela Bones

Faculty Mentor: Ryan Shifler - Math and Computer Science

2D Adventures in Chemical Synthesis • Henson Science Hall 115

Moderator: Michael Carter

3-3:15 p.m. **Stereoselective Synthesis of the Selective Serotonin 5-HT2A Agonist (2S,6S)-2-(4-Bromo-2,5-dimethoxybenzyl)-6-(2-methoxyphenyl)piperidine**

Joseph Choquette, Shelby Stotelmyer, Rachel Dale, Maria Abraham

Faculty Mentor: Jose Juncosa - Chemistry

3:20-3:35 p.m. **Steps Toward the Stereoselective Synthesis of a 5-HT2A Receptor Agonist**
Patricia Mei De Jesus
Faculty Mentor: Jose Juncosa - Chemistry

3:40-3:55 p.m. **Developing Size Control for Copper Indium Sulfide (CuInS2) Quantum Dots for Use in Efficient Solar Cells**
Austin Dabbs
Faculty Mentor: Lena Woodis - Chemistry

2E Politics in a Modern World • Henson Science Hall 211
Moderator: Michèle Schlehofer

3:3-15 p.m. **Heating Up the Media Climate: How Political Media May Affect Public Opinion on Global Climate Change**
Connor Chapman
Faculty Mentor: Adam Hoffmann - Political Science

3:20-3:35 p.m. **Cultural Pluralism**
Norah-Frida Tebid
Faculty Mentor: Adam Hoffman - Political Science

3:40-3:55 p.m. **Honors Thesis: The Political Effect of the Post-Millennial Generation**
Abigail Mulhern
Faculty Mentor: Eric Rittinger - Political Science

4-4:15 p.m. **Feeling Trumped: Do Political Actions Have an Effect on Stress Levels?**
Alexis Shank
Faculty Mentor: Michele Schlehofer - Psychology

2F The Great Outdoors • Henson Science Hall 243
Moderator: Brent Fedorko

3:3-15 p.m. **Do Management Practices Affect Soil Health of an Urban Forest? A Case Study of the Salisbury University Arboretum**
Anthony LaBarck
Faculty Mentor: Christopher Briand - Biological Sciences

3:20-3:35 p.m. **Ants of Assateague Island: An Examination of Feeding Preferences, Trophic Level, and Biodiversity**
Denise Manole
Faculty Mentor: Dana Price - Biological Sciences

3:40-3:55 p.m. **Pond for Four: Dietary Niche Overlap and Potential Partitioning Between the Endangered Spotted Turtle and Other Turtle Species**
Eaqan Chaudhry
Faculty Mentor: Eric Liebgold - Biological Sciences

4-4:15 p.m. **Soundscapes of Frog Choruses in Panama: An Analysis of Acoustic Structure**
Lor Dabaj, Sara Nickoles, Derek Coss
Faculty Mentors: Kimberly Hunter - Biological Sciences and Ryan Taylor - Biological Sciences

2G Art and Awareness • Henson Science Hall 337

Moderator: Adam Woodis

3-3:15 p.m. **Liking for Artworks and Openness to Experience**
Emerson Hurajt
Faculty Mentor: J. Craig Clarke - Psychology

3:20-3:35 p.m. **Yellow Death/Morte Gialla: Cross-cultural Tropes in Italian Horror Film**
Vanesa Salguero
Faculty Mentor: Elizabeth Ragan - History

3:40-3:55 p.m. **Understanding Poland's Wartime Experience Through the Cinema of Andrzej Wajda**
Benjamin Pereboom
Faculty Mentor: Maarten Pereboom - Fulton School of Liberal Arts

2H Film Studies • Henson Science Hall 341

Moderator: Aaron Willis

3-3:15 p.m. **Exploring Queerness in Alfred Hitchcock's *Rope***
Kaitlyn Briselli
Faculty Mentor: David Johnson - English

3:20-3:35 p.m. **Soundwalking**
Christian Pace
Faculty Mentor: Elsie Walker - English

3:40-3:55 p.m. **Rosemary's Baby: Disturbed and Distorted Dreams**
Londan Showell
Faculty Mentor: Elsie Walker - English

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

3A Technology and Social Media • Henson Science Hall 109

Moderator: Gaylord Robb

4:30-4:45 p.m. **Government Monitoring: Are We Really Being Watched?**

Bethany Nehring, Jordana Oman, Abby Heidelbaugh, Christopher Griste
Faculty Mentor: Chrys Egan - Communication Arts

4:50-5:05 p.m. **Online Dating: Intent of Use and Success Rate**

Victoria Fears, Sierra Grachik, Lindsey Dinkel
Faculty Mentor: Chrys Egan - Communication Arts

5:10-5:25 p.m. **Are Bonding and Bridging Social Capital Distinct? An Examination of the Internet Social Capital Scale**

Samantha Kline
Faculty Mentor: Heidi Fritz - Psychology

3B Ethics Bowl • Henson Science Hall 111

Moderator: Timothy Stock

4:30-5:45 p.m. **Ethics Bowl**

Maryam Habib, Chris Taylor, Veda Nowowieski, Jackson Malkus, Hira Shahbaz, Bridget Berdit
Faculty Mentor: Timothy Stock - Philosophy

3C Software and Programming • Henson Science Hall 113

Moderator: Alfred Beebe

4:30-4:45 p.m. **Videogame Accessibility: “Closed-Captioning” Directional Audio Using Data Generation and Artificial Neural Networks**

Cameron Kane
Faculty Mentor: Joseph Anderson - Math and Computer Science

4:50-5:05 p.m. **Audio Compression: Psychoacoustics of MP3**

Morgan Iachini
Faculty Mentor: Lori Carmack - Math and Computer Science

5:10-5:25 p.m. **Using Asynchronous Technology to Produce Automated Feedback for Software-based Assignments**

Ian Thomas, Ian Schwartz
Faculty Mentor: Yaping Jing - Math and Computer Science

3D Creative Creations • Henson Science Hall 115

Moderator: Susan Mahoney

4:30-4:45 p.m. **From the Ground Up: Curriculum Development for a Non-Profit ESL Program**

Amanda Walstrum, Kit Ki Chan

Faculty Mentor: Derya Kulavuz-Onal - English

4:50-5:05 p.m. **Is Language Driven by Experience or Reliant on Rules? Applying John A. Lucy's Approaches to Recent Research on Linguistic Relativity**

Annie Silva

Faculty Mentor: Elizabeth Ragan - History

5:10-5:25 p.m. **Buffalo Citizenship and Biotic Agency: Why Ecological Extinction Matters**

James Horan

Faculty Mentor: James Hatley - Environmental Studies

5:30-5:45 p.m. **Are Groups More Productive When Intrinsically Motivated?**

Joy Hayward

Faculty Mentor: Larence Becker - Psychology

3E Method to the Madness • Henson Science Hall 211

Moderator: Dr. John LaManca

4:30-4:45 p.m. **Signal Optimization For Fourier Transforms**

Matthew Benjamin

Faculty Mentor: David Keifer - Chemistry

4:50-5:05 p.m. **Investigation into The Intramolecular 1,3-Dipolar Cycloaddition of 5-aminooxazolium Salts**

Idris Barakat

Faculty Mentor: Stephen Habay - Chemistry

5:10-5:25 p.m. **Toward a New Method for the Synthesis of Decahydroquinolines**

Julia Miller

Faculty Mentor: Stephen Habay - Chemistry

3F Television: Sex, Violence, and Ethics • Henson Science Hall 243

Moderator: Dr. Lance Garmon

4:30-4:45 p.m. **He's Bad But Not All Bad: How Netflix's *You* Desensitizes the Viewer to Violence and Aggression**

Anna Burns

Faculty Mentor: Michael Moeder - Communication Arts

4:50-5:05 p.m. **How Alex Kurtzman's *Hawaii Five-0* Naturalizes Police Use of Excessive Force**
Margaret-Alice Tree
Faculty Mentor: Michael Moeder - Communication Arts

5:10-5:25 p.m. **The Fantasy Police Force: How *Brooklyn Nine-Nine* Takes the Stigma Out of Sexuality**
Melissa Reese
Faculty Mentor: Michael Moeder - Communication Arts

3G Brain Power • Henson Science Hall 337
Moderator: Lauren Hill

4:30-4:45 p.m. **Perceptual Learning with Corrective Feedback: Whose Handwriting Is This?**
William McCarthy
Faculty Mentor: Larence Becker - Psychology

4:50-5:05 p.m. **The Best PreK-12 Education for Kids Born with Neonatal Abstinence Syndrome**
Samantha Steltzer
Faculty Mentor: Lauren Hill - Honors

5:10-5:25 p.m. **Impact of Extracurricular Activities on Academic Achievements**
Ngu Sint Sint Thu
Faculty Mentor: Eun-Jeong Han - Communication Arts

5:30-5:45 p.m. **Remembering for a Really Long Time: Children's Learning Over Short, Moderate, and Long Delay Intervals**
Elise Adamopoulos
Faculty Mentor: Rhyannon Bemis - Psychology

3H Biology • Henson Science Hall 341
Moderator: Eugene Williams

4:30-4:45 p.m. **Comparing Total Mercury Concentration (THg) and Trophic Position in Wild-Caught And Commercially Farmed Cobia (*Rachycentron canadum*) Using Stable Isotope Analysis**
Garrett Hansen
Faculty Mentor: Christina Bradley - Biological Sciences

4:50-5:05 p.m. **The Effect of DHA on B16 Cells**
Peyton Reynolds, Loren Jones
Faculty Mentor: Eugene Williams - Biological Sciences

5:10-5:25 p.m. **A Novel Metabolic Pathway for L-Ascorbate by the Bacterium *Ralstonia eutropha* H16**
Ryan Joyce, Tyler Stack
Faculty Mentor: Michael Carter - Biological Sciences

5:30-5:45 p.m. **Translational Fusion of a G-protein Coupled-Receptor from the Hookworm *Ancylostoma ceylanicum* Expressed in *Caenorhabditis elegans***
Brandon Norman
Faculty Mentor: Patti Erickson - Biological Sciences

■ ***Poster Presentation Session***

6-7:30 p.m. Guerrieri Academic Commons, Fourth Floor Assembly Hall

Information Table Volunteers

Dr. Jim Forte - Department of Social Work

Dr. Carolina Bown - Department of Modern Languages and Intercultural Studies

Poster Room Set-up Volunteers

Haleigh LaChance - Graduate Studies and Research

Jessica Scott - Graduate Studies and Research

Vicky Adeniran - Dining Services

■ ***Poster Presentations***

Odd numbered posters will present their posters from 6:30-7 p.m. and even numbered posters will present their posters from 7-7:30 p.m.

1. Redescription and New Host Records for *Capsaloides cornutus* (Verrill, 1875, Price, 1938) in Gills of Two Istiophorid Billfishes from the Western Atlantic Ocean
Sarah Lundfelt
Faculty Mentor: Ann Barse - Biological Sciences

2. Understanding How Temperature Impacts the Isotopic Composition of Galaxea Coral
Allison Nalesnik
Faculty Mentor: Christina Bradley - Biological Sciences

3. Get Off the Grass!: A Study of Soil Bulk Density on Foot Paths Around Campus
Emily Bowdle, Rebecca Gordon, Sarah Murphy
Faculty Mentor: Christopher Briand - Biological Sciences

- 4. The Human Touch of Scientific Illustration: A Guide to the Maryland Dynastiae**
Christina Day, Kevin Auerbach, Arella Hill
Faculty Mentor: Dana Price - Biological Sciences
- 5. Microbial Enzyme Activity Assay of Salisbury University Soil Using Flourescein Diacetate**
Taylor Hughes, Merideth Miller
Faculty Mentor: Elizabeth Emmert - Biological Sciences
- 6. Landscape and Habitat Parameters Influencing Pond Occupancy of the Eastern Tiger Salamander (*Ambystoma tigrinum*) in Maryland and Delaware**
Hannah Small, Kathleen Stafford
Faculty Mentor: Eric Liebgold - Biological Sciences
- 7. Does Docosahexaenoic Acid (DHA) Inhibit Metastasis in B16 Cell Lines by Altering Cell Adhesion Potentials and Cell Motility?**
Jared Shemonsky, Zaikey Powell
Faculty Mentor: Eugene Williams - Biological Sciences
- 8. Human Low-Dose Environmentally Relevant Heavy Metal Exposure: Signaling and Epigenetic Changes of the Innate Immune Response Induced by Inorganic Arsenic**
Jeremie Rose Barbosa
Faculty Mentor: Jennifer Nyland - Biological Sciences
- 9. A Beak for Every Occasion: Beak Adaptations and Foraging Ecology in Ducks**
Ashley Pete
Faculty Mentor: Jeremy Corfield - Biological Sciences
- 10. My Brain's Bigger Than Yours: Scaling of Auditory and Visual Brain Regions in Songbirds**
Jamie VanWyk, Caroline Copes
Faculty Mentor: Jeremy Corfield - Biological Sciences
- 11. Microbial Source Tracking in Local Waterways**
Trevor Johnson, Kara Ogburn
Faculty Mentor: Mark Frana - Biological Sciences
- 12. Characterization of the Anti-Fungal Compounds Produced by *Methylobacterium* Species**
Rehan Choudhry
Faculty Mentor: Mark Holland - Biological Sciences
- 13. Analyzing a Unique L-Ascorbate Metabolic Pathway in *Ralstonia eutropha***
YadanarThan Naing
Faculty Mentor: Michael Carter - Biological Sciences

14. Methods for Detection of Trichloroethylene in Groundwater

Dylan Blades, Jesse Lancaster, Paul Clements
Faculty Mentor: Anita Brown - Chemistry

15. Fluorescent Calorimetry: Monitoring Heat Flow in Biochemical Reactions Using Rhodamine B

Matthew Krall
Faculty Mentor: Joshua Sokoloski - Chemistry

16. Fabrication of All Solid State Quantum Dot Solar Cells Using Bench Top Methods

Brandon Chang
Faculty Mentor: Lena Woodis - Chemistry

17. Effects of an Amide Group on a Multicomponent Synthesis of Highly Substituted Oxazoles

Andrea Cottingham
Faculty Mentor: Stephen Habay - Chemistry

18. Social Media Disorder and Social Interaction Anxiety: A Closer Look at the Relationship

Harrison Leon
Faculty Mentor: Sherry Maykrantz - Community Health

19. Empowerment Leadership and Self-leadership: Weapons in the Fight Against Opioid Addiction

Caryl Martinez, Alyssa Rink, Vasti Zelaya
Faculty Mentor: Sherry Maykrantz - Community Health

20. Exploring the Impact of Social Events that Have Impacted the Development of Graduate Conflict Resolution Programs in the U.S.

Amy Mellinger, Victoria Bowler, Sierra Rockinberg
Faculty Mentor: Brian Polkinghorn - Conflict Analysis and Dispute Resolution

21. Asking Questions: A Study of How Pre-Service Teachers Develop Comprehension During Reading

Breanna Howell
Faculty Mentor: Amber Meyer - Early and Elementary Education

22. Incorporating Strategies for K-6 Students with Dyslexia in Whole Class Instruction: An Insider's View

Paige Brinsfield
Faculty Mentor: Cathrene Connery - Early and Elementary Education

23. Inclusion: The Future of Education

Megan Lynch
Faculty Mentor: Patricia King - Early and Elementary Education

24. Fall 2018 Poplar Island Herpetological Survey Report

Lillian Turner, Matthew Houlihan, Andrew Hurley

Faculty Mentor: Tami Ransom - Environmental Studies

25. Effects of Exercise Intervention on Future Exercise Habits

Aaron Tate-Moore

Faculty Mentor: Timothy Werner - Exercise Science

26. The Effects of a High-Volume and High-Intensity Resistance Training Program on Arterial Stiffness

Gabriel Ugwu

Faculty Mentor: Timothy Werner - Exercise Science

27. Resistance Training and Arterial Stiffness in Females: A Pilot Study

Catherine Raley

Faculty Mentor: Timothy Werner - Exercise Science

28. Effect of Creatine Supplementation on Muscle Oxygenation and Arterial Stiffness

Colin Gimblet, T. Werner, J. LaManca, T. Pellinger, A. Ortlip

Faculty Mentor: Timothy Werner - Exercise Science

29. Forest Canopy Change in the Chesapeake Bay Watershed

Nicholas Johnson, Brandon Vermillion

Faculty Mentor: Arthur Lembo - Geography and Geosciences

30. Quantifying the Impact of Impervious Soil Ditches on Stream Discharge for Selected Watersheds on the Eastern Shore of the Chesapeake Bay

Daniel Milbrath, Ashley Luton

Faculty Mentor: Arthur Lembo - Geography and Geosciences

31. Historical Analysis of the Spatial Distribution of Hurricanes and Tropical Storms Impacting the Chesapeake Bay Watershed

Emily Barrett

Faculty Mentor: Arthur Lembo - Geography and Geosciences

32. Flood Vulnerability in Maryland

Michaella Kuykendall, Devon Kramer

Faculty Mentor: Arthur Lembo - Geography and Geosciences

33. Stream Morphology of the Wicomico River

Charles Lavan, Chris Cagle

Faculty Mentor: Arthur Lembo - Geography and Geosciences

34. Eastern Shore Slave Ownership and Voting Patterns

Kevin Bedwell, Andrew Haislip

Faculty Mentor: Arthur Lembo - Geography and Geosciences

35. Landscape and Land Use Parameters on Estrogen Levels in Delaware Water Bodies

Matthew Farinholt, Rachel Sears

Faculty Mentor: Arthur Lembo - Geography and Geosciences

36. A Comparative Analysis of Fluvial Sediments from a Coastal Plain Drainage System

Abigail Nalesnik, Sarah Ashley

Faculty Mentor: Brent Zaprowski - Geography and Geosciences

37. Spatial and Statistical Analyses of the Influence of Chesapeake Bay Sea Surface Temperatures on Severe Weather Reports

Maximilian Magness, Amber Millison

Faculty Mentor: Craig Ramseyer - Geography and Geosciences

38. Climate Change and Hurricanes: What Does the Future Hold for Mankind?

Ian Siew

Faculty Mentor: Darren Parnell - Geography and Geosciences

39. Evolution of the U.S. National Parks

Catherine Skeeter, Brian Hiller

Faculty Mentor: Mara Chen - Geography and Geosciences

40. The Geography of Retail in Metropolitan Baltimore, 1888 to 2018: A GIS-Based Location Analysis

Christopher Barber, Leighana Pasqual

Faculty Mentor: Mark deSocio - Geography and Geosciences

41. The Architectural Contributions of Lady Anne Clifford

Marianna Agazio

Faculty Mentor: Kristen Walton - History

42. Lindsey's Luscious Cakes and Creations: Salisbury's Little Taste of Costa Rica

Lindsey Ward

Faculty Mentor: Patrick Fennell - Management and Marketing

43. International HR Management: Expatriates and Handling Life Overseas

Mark Reynolds

Faculty Mentor: Richard Hoffman - Management and Marketing

44. Countering the National Opioid Crisis: A Mathematical Model to Track Opioid Use and Combat the Epidemic

Shannon Bull, Lela Bones, Caroline Mansueti

Faculty Mentor: Lori Carmack - Math and Computer Science

45. Undamped Second-Order Mass-Springs Systems

Anthony Grabow

Faculty Mentor: Melissa Stoner - Math and Computer Science

46. Accessibility Maps

Nicholas Ayd, Nicholas Haggerty, Tony White, Kevin Cross

Faculty Mentor: Randall Cone - Math and Computer Science

47. Project Field of Dreams

Katherine Grey, David DAlessandro, Ryan Clocker, Kia Porter

Faculty Mentor: Xiaohong Wang - Math and Computer Science

48. Survivability of Bacteria on Blood Glucose Testing Strips

Meghan Nalesnik

Faculty Mentor: Diane Davis - Medical Laboratory Science

49. Cloudy Judgment with a Chance of Solutions: Nonprofits, Case Studies, Missteps and Authentic Solutions

Jacey Young

Faculty Mentor: Louise Detwiler - Modern Languages

50. Caring Intensely Until the End: The Lived Experiences of Intensive Care Unit Nurses

Ashley Miller

Faculty Mentor: Debra Webster - Nursing

51. Acoustic Levitation of Platforms Using Transducer Arrays

Clinton Jones, Jamal Issa

Faculty Mentor: Mark Muller - Physics

52. Defining Shorebreak Along Coastal Beaches

Bradley Cullen

Faculty Mentor: Mark Muller - Physics

53. Adaptive Physical Education Engineering Research Project

Alyssa Brady, Ellen Berry, Matthew Albert

Faculty Mentor: Mark Muller - Physics

54. Combating Shorebreak Through Autonomous Small Scale Wave Production

Taylor Portier, Ryan Willey, David Tyler

Faculty Mentor: Mark Muller - Physics

55. Defying Gravity: Design of a Hoverboard

Tyler McGraw

Faculty Mentor: Matthew Bailey - Physics

56. University Students' Use and Perception of Cigarettes and E-Cigarettes

Augusta Wiant

Faculty Mentor: Cecilia Acocella - Psychology

57. Perception of Marijuana Legalization for Medical and Recreational Use

Dominic Chester

Faculty Mentor: Cecilia Acocella - Psychology

58. Psychophysiological Correlates of Dental Anxiety

Shannon Chambers, Emma Schmitt

Faculty Mentor: Echo Leaver - Psychology

59. Social Media and Social Comparison: Changes Over the Semester and Links to Psychological Distress

Carolyn Nekula

Faculty Mentor: Heidi Fritz - Psychology

60. Climate Change: A Surge of Resilience

Lyla Lough

Faculty Mentor: Karl Maier - Psychology

61. Using the Biopsychosocial Index of Microbiome Ecologies (BIOME) to Understand the Implications of Birth Delivery for Health

Ogechukwu Odinakachukwu, Erin Tognetti

Faculty Mentor: Karl Maier - Psychology

62. An Institutional Examination of the Interdisciplinary Studies Majors at Salisbury University

Erin Tognetti

Faculty Mentor: Catherine Jackson - Interdisciplinary Studies

63. Are Students Applying the Science of Learning?

McKenna Connolly

Faculty Mentor: Larence Becker - Psychology

64. Piloting Psychological Construct Coding on “Presidential” Tweets

Giacinta Giglio-Valentino, Morgan Stumpf, Hannah Burhans

Faculty Mentor: Mark Walter - Psychology

65. The Experiences of Parent-Advocates of TGNC Youth

Domonique Bush

Faculty Mentor: Michele Schlehofer - Psychology

66. Factors Influencing Parental Disclosure of Children’s Transgender and Gender Non-conforming Identity to Family

Jessica Harbaugh

Faculty Mentor: Michele Schlehofer - Psychology

67. Responding to Institutionalized Racism: Perceived Discrimination and Microaggressions

Ashley Rivera, Larren Burgess

Faculty Mentor: Rachel Steele - Psychology

68. Responding to Institutionalized Discrimination: The Effects of Sexual Orientation and Gender

Emilee Fiscus, Karina Letts

Faculty Mentor: Rachel Steele - Psychology

69. Responding to Institutionalized Racism

Kourtney Washington

Faculty Mentor: Rachel Steele - Psychology

70. Children's Ability to Judge Self and Other's Knowledge States for Novel Information

Jade Gomez

Faculty Mentor: Rhyannon Bemis - Psychology

71. How Do Surprising Events Impact Children's Ability to Report on Learning?

Leah Zachariah, Jade Gomez

Faculty Mentor: Rhyannon Bemis - Psychology

72. Women's Sexual Perpetration Experience Predicting Empathy with an Unspecified or Date Rapist

Gina Santoriello

Faculty Mentor: Suzanne Osman - Psychology

73. Disciplinary Differences in Listening Attention: Knowledge Gathering, Cognitive/Affective Processing, Critical Evaluation, or Relationship Building

Sheridan Sargent

Faculty Mentor: Thomas Tomcho - Psychology

74. A Content Analysis of the Message in 50 Newspaper Free Press Editorials

Rachel Savage, Erin Pfarr

Faculty Mentor: Thomas Tomcho - Psychology

75. Case Studies in Psychology: Common Questions and Student Learning

Dana Rand

Faculty Mentor: Thomas Tomcho - Psychology

76. Aspiring Psychologist Advice: A Content Analysis of 102 Published Interviews with Notable Psychologists

Erica Robinson, Alyssa Groves

Faculty Mentor: Thomas Tomcho - Psychology

77. Talking to our Past Selves: Emotional and Instructional Advice for Difficult Experiences

Alyssa Groves, Erica Robinson

Faculty Mentor: Thomas Tomcho - Psychology

78. Liberalism, Conservatism, and the Free Press: A Linguistic Analysis

Erin Pfarr

Faculty Mentor: Thomas Tomcho - Psychology

79. Careers Courses in Psychology: Prevalence Changes from 2012 to 2018

Danielle Ratz, Dana Rand

Faculty Mentor: Thomas Tomcho - Psychology

80. A Content Analysis of Substance Abuse and Mental Health Services Administration Interventions

Morgan Stumpf

Faculty Mentor: Thomas Tomcho - Psychology

81. Psychotherapy Case Studies: Treatment of Victimization

Kelly Lindsay

Faculty Mentor: Thomas Tomcho - Psychology

82. Common Goals Across Subdisciplines: A Content Analysis of 224 Peer-Reviewed Syllabi

Hannah Burhans, Morgan Stumpf, Giacinta Giglio-Valentina

Faculty Mentor-Thomas Tomcho - Psychology

83. Implications for Immigrants: A Needs-Assessment of the Lower Eastern Shore

Johannah Cooper

Faculty Mentor-Jennifer Jewell - Social Work

84. The Relationship Between Christianity and Social Justice

Suzanne Aldridge

Faculty Mentor-Rebecca Anthony - Social Work

85. Human Trafficking Awareness on Maryland's Eastern Shore

Molly McGinty

Faculty Mentor-Rebecca Anthony - Social Work

86. Food Waste in the United States

Kiana Fok

Faculty Mentor-Timothy Dunn - Sociology

■ **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 6-7:30 p.m. in the Guerrieri Academic Commons (Fourth Floor Assembly Hall). This award celebrates faculty mentors who have proven excellent supervisors of student research or creative work.

The 2019 Outstanding Research Mentor Award Nominees are:

- *Dr. Jennifer Jewell – Social Work*
- *Dr. Jessica Clark – Biological Sciences*
- *Dr. Kristen Walton – History*
- *Dr. Rhyannon Bemis – Psychology*
- *Dr. Ryan Shifler – Math & Computer Science*
- *Dr. Heidi Fritz – Psychology*
- *Dr. Brandy Terrill – Early & Elementary Education*
- *Catherine Jackson – IDIS Program Specialist*
- *Dr. Judith Franzak – Doctoral Studies in Literacy*
- *Dr. John Nieves – English*
- *Dr. Jennifer Nyland – Biological Sciences*
- *Dr. Lance Garmon – Psychology*
- *Dr. Vincent Genareo – Early & Elementary Education*
- *Dr. John Wesley Wright – Music*
- *Dr. Yuki Okubo – Psychology*
- *Dr. Michele Schlehofer – Psychology*

■ **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

- Kacie Cassar has had a Brief Report based on her Honors thesis titled “Social Media and Hooking-Up in College Emerging Adults: Sliding Into DMs” accepted to be included in the book *Sexuality in Emerging Adulthood* to be published by Oxford University Press in 2020 (Elizabeth M. Morgan & Manfred H. M. van Dulmen, Editors)
- Matthew Jones and Mary Knaub co-authored “Working with noise in bivariate data” in the journal *Mathematics Teaching in the Middle School*.
- Carolyne Paige Merwin co-authored “Predicting college women’s body esteem and self-esteem based on rape experience, recency, and labeling,” which has been accepted for publication in the journal, *Violence Against Women*.

- Julia Miller, Matthew Bowler, Randi Manchak, and John Thomas published “An Efficient Synthesis of the Piperidinyl Dihydroquinazolinone (PDQ) Fragment of Olcegepan” in *Tetrahedron Letters*, 2018.
- Abhishek Purohit published “Aminolysis of methyl isocyanoacetate with pyrrolidine” in *CS Synthetic Pages*, 2018.

Student Presentations at the National Conference on Undergraduate Research

- Kinan Abouassali presented “Green Synthesis of Graphitic and Chalcopyritic Quantum Dots for Solar Cell Applications” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Abiodun Adeoye presented “Realm of the ravening beasts: Queen Elizabeth I and governing Ireland, 1560-1583” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Bakr Ali presented “Using cycloetherification reaction in the synthesis of Pestacin: A 1,3-dihydrobenzofuran” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Karsin Bachran presented “Feeding and Pupation Ecology of Frosted Elfin Caterpillars (*Callophrys irus*)” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Jeremie Rose Barbosa presented “Human Low-Dose Environmentally Relevant Heavy Metal Exposure: Signaling and Epigenetic Changes of the Innate Immune Response Induced by Inorganic Arsenic” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Nicholas Bennett presented “Learning about Statistical Distributions and Typical Values in Sixth Grade” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Lela Bones presented “Interpreting EEG Signals with OpenBCI Hardware” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Lannea Boyden presented “Interval Partial Least Squares Regression (iPLS) for Multivariate Calibration and Prediction: Two Approaches for Automated Model Optimization” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Kacie Cassar presented “Let’s Slide into DMs: Social Media and College Dating” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Johannah Cooper presented “Implications for Immigrants: A Needs Assessment on the Lower Eastern Shore” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.

- Kayla Davis presented “Classroom Strategies for Students with Upper Limb Differences” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Patricia De Jesus presented “Steps Toward the Strereo-Selective Synthesis of a Serotonin 5-HT2A Agonist” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Daniela DiGena presented “Building Conceptual Understanding of Multiplication” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Victoria Faron presented “Representations of Resurrection Men in the Period Press and Frankenstein” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Rebecca Flax presented “Do You RUN the Risk for ITBS?” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Armand Fooks presented “Las Madres de la Plaza de Mayo: Bringing Womanhood into the Public Sphere of Argentina” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Kayra Icard presented “The Anglo-Scottish Union in the English East India Company: The Creation of a True British Empire” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Cameron Kane presented “Developing New Accessibility Features Using Deep Learning and Data Generation” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Matt Krall presented “Fluorescent Calorimetry: Monitoring heat flow in biochemical reactions using Rhodamine B.” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Thomas Mannion presented “Tokenism For a Seat at the Table: A Critical Analysis of Representation in the Series *Sense8*” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Alissa Marr presented “Investigating Nucleophilic Selectivity Toward Various Types of Electrophilic Sites” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Conner Masteran presented “Synthesis and Characterization of a Water Soluble Ligand for the Separation of Actinides from Lanthanides in spent Nuclear Fuel Waste” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Molly McGinty presented “Human Trafficking Awareness” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.

- Darian Mullikin presented “Influences of Islam on Developing British Empire” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Kara Ogburn/Trevor Johnson presented “Microbial Source Tracking in Local Waterways” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Leighana Pasqual presented “Which Store To Close: A GIS-Based Retail Analysis of Macy’s Department Stores in the Mid Atlantic” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Sepehr Antoine Rahimi presented “Medica-Bed” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Kateria Rodriguez presented “To Love Like the West: The Europeanization of Homosexuality and Marriage in Meiji, Japan” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Shannon Rommel presented “Testing the U.S.- Saudi Alliance” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Emma Schmitt/Shannon Chambers presented “Psychophysiological Correlates of Dental Anxiety” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Michael Setzler presented “Elizabeth I and Morocco: Convenient Allies or Worthwhile Friends?” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Hira Shahbaz presented “Forging Identity Through Prose: An Exploration of Nationalism in the Literary Works of Rabindranath Tagore, Kazi Nazrul Islam and Bankim Chandra Chatterje” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Kathleen Stafford presented “The Business Expansion of Northeast Brazil Endangers Nonhuman Primate Cultures” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Seth Thompson presented “Selling Surinam: Commercial Rhetoric in Aphra Behn’s *Oroonoko*” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Morgan Tibbo presented “Sensory changes following hyperglycemic induction in *Danio rerio*” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Bethany Todd presented “Manipulation by Political Influence: The Dismantlement of the Environmental Protection Agency and Its Impacts” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.

- Gabrielle Voithofer presented “Peripheral nerve degeneration following hyperglycemic induction in juvenile zebrafish (*Danio rerio*)” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.
- Tara Ward presented “What’s Your Type?: A Discourse Analysis of How Redditors Approach Life After Taking the Myers-Briggs Type Indicator Tool” at the National Conference on Undergraduate Research in Kennesaw, GA, in April 2019.

Student Presentations & Performances

- Abiodun Adeoye presented “Queen Elizabeth I and Ireland, 1560-1583” at the Moravian Medieval and Early Modern Studies Conference, Bethlehem, PA, December 2018.
- Abiodun Adeoye presented ‘Life After Slavery: African American History on the Eastern Shore of Maryland after the Civil War” at the Popular Culture Association in the South annual meeting, New Orleans, LA, in October 2018.
- Valerie Abbott presented “The Division of the Chesapeake Bay: Origins of Conflict Levels on the Eastern Shore and Mainland Virginia” at the Popular Culture Association in the South annual meeting, New Orleans, LA, in October 2018.
- Annelise Beer was invited to present “Exhibiting and 3D Printing an Infant Jar Burial” to the Northern Chesapeake chapter of the Archeological Society of Maryland, Aberdeen, MD, December 2018.
- Kelsey Albert, Mariah Bowie, Brad Cullen, Faith Haley, Hannah Reddish, and Lauren Schor presented: “Stratigraphic Analysis of an Estuarine Freshwater Swamp along the Nanticoke River, Delaware.” at the Pennsylvania Geographical Society Annual Meeting, November 9, 2018, Villanova University, Radnor, PA. *This group won second place in the undergraduate poster competition*
- Jeffrey (Scott) Benner presented “Microwave-promoted synthesis of 2,4-diamido-5-aminooxazoles” at the American Chemical Society National Meeting, Orlando, FL, April 2019.
- Lannea Boyden presented “Automated Optimization of Interval-Partial Least Squares Regression (iPLS) for Multivariate Calibration and Prediction” at the Annual Research Symposium in the Chemical and Biological Sciences at the University of Maryland at Baltimore County, Baltimore, MD, October 2018. *Lannea won a second place award for this presentation.*
- Kathryn Breon, Kaitlyn Lawrence and Alex Moore presented: “Comparative Analysis of Tree Rings from Near a Coastal Plain River.” at the Pennsylvania Geographical Society Annual Meeting, November 9, 2018, Villanova University, Radnor, PA.
- Domonique Bush presented The experiences of parent-advocates of TGNC youth at the Eastern Psychological Association meeting in March 2019.

- Sofia Carrasco, Nicole Hammond, Megan Hensel, Samuel Hunter, Cassady Koch, and Ryan Schrader presented a roundtable discussion, “(Re)Defining Documents: The Enduring and Evolving Legacy of the ‘Principles of Environmental Justice,’” at this year’s National Environmental Justice Conference and Training Program. The conference was held March 13-15, 2019, in Washington, D.C.
- Andrea Cottingham presented “Effect of an amide group on a multi-component synthesis of highly substituted oxazoles” at the American Chemical Society National Meeting, Orlando, FL, April 2019.
- Christine Durham-Pressley presented a poster presentation at the University of Maryland Shore Regional Health Annual Nursing Research Conference in May 2018 for her published study “Nurse Perceptions of the Family Violence Screening Process and Education Program in a Rural Healthcare System.”
- Christine Durham-Pressley, B.S.N., RN, CARN and Rita Nutt, D.N.P., RN co-presented “An Evidence-Based Approach to Intimate Partner Violence Screening” at the Delaware Association of Women’s Health, Obstetric and Neonatal Nurses annual meeting, Rehoboth Beach, DE, October 2018.
- Christine Durham-Pressley, B.S.N., RN, CARN presented at the University of Maryland Shore Regional Health Annual Nursing Research, EBP, and QI Conference in May 2019 as a panel member for the topic “Living the Research Experience.”
- East, M. S. (Presenter), Porter, H. D. (Presenter), Kim, K. J. (Leader), Tyndall, C. (Presenter), MacDonald, K. (Presenter), Stutzman, M. (Presenter), Franzak, J. K. (Other), NCTE WLW Literacies for All Summer Institute, “Insights into Diverse Readers as Meaning Makers: Eye Movement & Misue Analysis,” National Council for Teachers of English, Baltimore. (July 14, 2018).
- Charlie Fern presented “How Women Are Portrayed as Sexually Impressionable in the Comedy Series *Cheers*” at the Popular Culture Association in the South annual meeting, New Orleans, LA, in October 2018.
- Garrett Fowler and Lela Bones presented the at student poster session at the Joint Mathematics Meetings (A national conference). The poster is titled Conjecture O holds for Some Horospherical Varieties of Picard Rank 1. *Their poster won the “outstanding poster award.”*
- Will Fried presented “How Professors Can Help Students with Disabilities in College” at the Popular Culture Association in the South annual meeting, New Orleans, LA, in October 2018.
- Olivia Hamilton presented “Analysis and Identification of Faunal Remains from an Early Maryland Colonial Site” at the Middle Atlantic Archaeological Conference, Ocean City, MD, March 2019.
- Jessica Harbaugh presented Families in transition: Co-parenting TGNC children at the Eastern Psychological Association meeting in March 2019.

- Marie Hils presented “Artistic Collaboration for Cultural Communication in a PDS Setting / *Colaboración artística para la comunicación cultural en un contexto de PDS*” at the National Association for Professional Development Schools Conference, Atlanta, GA, February 2019.
- Marie Hils presented “Artistic Collaboration for Cultural Communication in a PDS Setting” with Dr. Brandy Terrill at the 2019 National Association for Professional Development Schools National Conference in Atlanta, GA.
- Olivia Hobbs will be presenting “Examining a Librarian’s Authority Through Feminist Pedagogy” at the LOEX (Library Orientation Exchange) Annual Conference, Minneapolis, MN, May 2019.
- Ryan Joyce will present “Evidence for the Novel Metabolic Pathway of *Ralstonia eutropha H16* to Metabolize L-Ascorbate” at the National American Society of Biochemistry and Molecular Biology annual meeting, Orlando, FL, April 2019.
- Chan (Peter) Kim will present “Investigating a Novel Metabolic Pathway for Bacteria to Utilize L-Ascorbate as its Carbon Source” at the National American Society of Biochemistry and Molecular Biology annual meeting, Orlando, FL, April 2019.
- Carly Leventoff presented “Electrosynthesis of alpha-aminoketone drugs” at Posters on the Bay at the MD General Assembly, Annapolis, MD, January 2019.
- Thomas Mannion presented “Contemporary Streaming: The Cultural Impacts of the TV Series *Black Mirror*” at the Popular Culture Association in the South annual meeting, New Orleans, LA, in October 2018.
- Shannon McHenry presented “Every Little Girl’s Dream: How Wedding Planners Can Make Dreams Come True Without Betraying a Budget” at the Popular Culture Association in the South annual meeting, New Orleans, LA ,in October 2018.
- Carolyne (Paige) Merwin co-authored “Predicting college women’s body esteem and self-esteem based on rape experience, recency, and labeling,” which has been accepted for publication in the journal, *Violence Against Women*.
- Megan Miller and Carly Evans presented “Reaching Migrant English Learners by Promoting Unique Home Literacies” at the National WIDA Conference in Detroit, Michigan in October 2018.
- Kathleen Nizich presented “Captain America: From Beating Nazis to Being One” at the Popular Culture Association in the South annual meeting, New Orleans, LA, in October 2018.
- Shannon McNerney, Savannah Smith, Michaela Brodie-Willey, and Emma Winter presented “Is Reddit a safe space for people with upper limb deficiencies? Physical disabilities and the social reactions to public posts on Reddit” at the Maryland Council for Exceptional Children (CEC) Conference, Gaithersburg, MD, in March 2019.

- Abigail Nalesnik and Sarah Ashley presented: “A Comparative Analysis of Fluvial Sediments from a Coastal Plain Drainage Basin” at the Pennsylvania Geographical Society Annual Meeting, November 9, 2018, Villanova University, Radnor, PA.
- Abhishek Purohit presented “Rapid synthesis of highly substituted oxazole compounds” at the 21st Annual Undergraduate Research Symposium in the Chemical and Biological Sciences, UMBC, October 2018.
- Abhishek Purohit presented “Development of a rapid synthesis of highly substituted oxazoles” at the American Chemical Society National Meeting, Orlando, FL, April 2019.
- Abhishek Purohit published “Aminolysis of methyl isocyanoacetate with pyrrolidine” in *CS Synthetic Pages*, 2018.
- Alyssa Rink, Caryl Martinez, and Vasti Zelaya competed/presented “Empowering Leadership and Self-Leadership: Weapons in the Fight against Opioid Addiction” at the 20th Annual Student Case Competition at the International Leadership Association Conference in West Palm Beach, FL, October 2018.
- Kateria Rodriguez presented “The Dragon’s Forgotten People: Islamic Minorities, Ethno-Cultural Identities, and the Politics of Religion in the People’s Republic of China” at the Popular Culture Association in the South annual meeting, New Orleans, LA, in October 2018.
- Gina Santoriello presented “Women’s sexual perpetration experience predicting empathy with an unspecified or date rapist” at the annual meeting of the Eastern Psychological Association, New York, NY, March 2019.
- Marjorie Ida SchianodiCola presented “A content analysis of children’s books representing upper limb deficiencies: Identity, stigma, acceptance, and classroom potential.” Marjorie presented at the Maryland Council for Exceptional Children (CEC) Professional Development Conference in Rockville, MD in March 2018 and the Maryland Council for Exceptional Children (CEC) State Conference in Columbia, MD in April 2018.
- Morgan Vance and Meghan Shepherd presented “The Effects of Acute Creatine Supplementation on Arterial Stiffness: a Pilot Study” at the Mid-Atlantic Regional American College of Sports Medicine Conference annual meeting, Harrisburg, PA, November 2018.
- Zoë Siers presented “Helping Third Graders Interpret and Make Sense of Word Problems” at the National Association for Professional Development Schools Conference, Atlanta, GA, February 2019.
- Zoë Siers and Taylor Frederick presented “Helping Third Graders Interpret and Make Sense of Word Problems” at the Council on Undergraduate Research: Research Experiences for Undergraduates Symposium in Alexandria, VA, October 2018.

- Zoë Siers and Taylor Frederick presented, “Helping Third Graders Interpret and Make Sense of Word Problems” at the Research Experiences for Undergraduate Symposium for the Council of Undergrad Research, Alexandria, VA, October 2018.
- Zoë Siers presented her research completed for a workshop sponsored by the National Science Foundation at the 2019 National Association for Professional Development Schools National Conference in Atlanta, GA.
- Ginny Smith and Hermione Jones presented “Violence in the Media” at the Eastern Psychological Association annual meeting, Pittsburgh, PA, March 2018.
- Hira Shahbaz presented “The Inability to Ride Like the Wind, Bullseye: An Exploration of the Contortion of the American Western and Homosexuality in *Brokeback Mountain*” at the Popular Culture Association in the South annual meeting, New Orleans, LA, in October 2018.
- Alicia Spero presented “Necessary Changes to Vehicle Legislation in Light of the Rise of Autonomous Vehicles” at the Popular Culture Association in the South annual meeting, New Orleans, LA, in October 2018.
- Arielle Tesoriero presented “The Gender Role of Women in Botticelli’s *Birth of Venus*” at the Popular Culture Association in the South annual meeting, New Orleans, LA, in October 2018.
- Michael Webber presented “Assessing Campus Culture for Civic Engagement” at the ADP/TDC/NASPA Civic Learning and Democratic Engagement Meeting in Baltimore, MD, in 2017.
- Brendan Wille will present “A Novel Way to Use Vitamin C? Characterizing L-Ascorbate (Vitamin C) Catabolism in *Ralstonia eutropha*” at the National American Society of Biochemistry and Molecular Biology annual meeting, Orlando, FL, April 2019.

Student Awards, Honors, and Other Activities of Distinction

- Idris Barakat was awarded the American Chemical Society-Division of Organic Chemistry Undergraduate Award. This is a national award for excellence in organic chemistry at the undergraduate level, 2019.
- Bridget Berdit, Maryam Habib, Jackson Malkus, Hira Shahbaz, and Christopher Taylor competed in Baltimore, MD at the Association for Practical and Professional Ethics (APPE) National Ethics Bowl competition. Their team was one of 26, selected from hundreds of teams involved in regional competitions, and were the only team selected from a comprehensive university in the Northeast Region. They were supported in their preparation by Veda Nowowieski, Chandre Jones and Wesley Rubbin.
- Eleanor Brown won Student Poster Competition, 2nd place, National Association of Social Workers, MD Student Conference 2018

- Jeremiah Copeland won 2nd Place at the MD-DC NATS Student Auditions in the Junior Men's Musical Theater category, March 2019.
- Olivia Davidson won 2nd Place at the MD-DC NATS Student Auditions in the Sophomore Women's Musical Theater category, March 2019.
- Joshua Dennis won 1st Place at the MD-DC NATS Student Auditions in the Sophomore Men's Musical Theater category, March 2019.
- Christine Durham-Pressley, B.S.N., RN, CARN was the recipient of the 2018 Karen Spies Award for Excellence in Nursing Research
- Lance Fisher won 1st Place at the MD-DC NATS Student Auditions and 2nd Place at Mid-Atlantic Regionals in the Senior Men's Musical Theater category, March 2019.
- Patrick Gover won 1st Place at the MD-DC NATS Student Auditions and 4th Place at Mid-Atlantic Regionals in the Junior Men's Musical Theater category, March 2019.
- Carolyne Paige Merwin won a Diversity Article Award for her article, "Rape acknowledgment status and recency since rape as correlates of college women's body shame," published in the *Psi Chi Journal of Psychological Research*.
- Sara Miller won 1st Place at the MD-DC NATS Student Auditions in the Senior Women's Classical Music category, March 2019.
- Abhishek Purohit was awarded 2nd place for his poster presentation at the 21st Annual Undergraduate Research Symposium in the Chemical and Biological Sciences at UMBC, October 2018.
- Alyssa Rink received the Eta Sigma Gamma Founder's Award. This award is given to one undergraduate student in chapter of Eta Sigma Gamma honor society across the US who has demonstrated excellence in the three tenants of teaching, research, and service. This award was presented at the 70th Society for Public Health Education Conference in Salt Lake City, UT on March 28, 2019.
- Gina Santoriello won a 2019 Psi Chi EPA Regional Research Award at the annual meeting of the Eastern Psychological Association, New York, N.Y., March 2019,
- Julia Rey and Graham Hensley, MASMI graduate students, won the 2019 National Collegiate Sales Competition Graduate Division at Kennesaw State University
- Jeffrey Todd won 1st Place at both the Mid-Atlantic Regional and MD-DC NATS (National Association of Teachers of Singing) Student Auditions in the Senior Men's Classical Music category, March 2019, making him eligible for National rounds for the fourth year in a row.
- Shawn Wierzbowski, MASMI undergraduate student, was a quarterfinalist at the 2019 National Collegiate Sales Competition Graduate Division at Kennesaw State University

- The Salisbury University Ethics Bowl Team competed at the National Ethics Bowl sponsored by the Association for Practical and Professional Ethics on March 2-3rd in Baltimore, Maryland. Team members present were: Maryam Habib, Chandler Jones, Jackson Malkus, Veda Nowowieski, Hira Shahbaz, Christopher Taylor, Bridget Berdit, and Wesley Rubbin. Salisbury University was one of only twenty six teams nationwide selected to participate.
- The Epsilon Xi Chapter of Eta Sigma Gamma, the national health education honorary, received the Chapter Excellence Award at the 70th Society for Public Health Education Conference in Salt Lake City, UT on March 28th, 2019. This award is given to a collegiate chapter across the US that has excelled in the three tenants of ESG: Teaching, research, and service.

Student Fellowships

- Abiodun Adeoye received a Boren Scholarship to Tanzania.
- Abiodun Adeoye received a Public Policy and International Affairs Junior Summer Institute Fellowship to the Humphrey School, Minnesota.
- Chacier Alexander received a Boren Scholarship to Morocco.
- Chacier Alexander received a Project Global Officer Scholarship to Amman, Jordan.
- Idris Barakat received an Amgen Scholars Program fellowship to Johns Hopkins for Summer research.
- David Basom received a Fulbright English Teaching Assistantship to India.
- Lela Bones received an Amgen Scholars Program fellowship to Johns Hopkins for Summer research.
- Larren Burgess received a Benjamin A. Gilman International Scholarship to South Africa.
- Noah Cline received a Fulbright Academic Fellowship to National Chengchi University, Taiwan.
- Olivia Clinton received a US Teaching Assistantship to Austria.
- Lauren DeLong received a Fulbright Academic Fellowship to Germany.
- Lauren DeLong received a DAAD Graduate Study Award to Germany.
- Courtney (Nicole) Hammond received a Udall Undergraduate Scholarship.
- Danesha Owens-Harrell received a Fulbright English Teaching Assistantship to the Netherlands.
- Courtney Peterson received a National Science Foundation Graduate Research Fellowship Program Award.
- Rachel Rolle received a Fulbright English Teaching Assistantship to Korea.
- Maiya Robinson received a Benjamin A. Gilman International Scholarship to South Africa.
- Nate Samson received a Boren Scholarship to Poland.
- Nate Samsom received a Bosserman UNESCO Fellowship to Paris.
- Hira Shahbaz received a Critical Language Scholarship to India.

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Christian Burroughs - Winner 2019 SUSRC Poster Contest

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Eleanor Brown, *Social Work and Political Science*

Melissa Marsh, *English*

Julia Miller, *Chemistry*

Kacie Cassar, *History, Psychology, and International Studies*

Kerry Lynch, *Exercise Science*

Lauren DeLong, *Biology*

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*Thank you to all our presenters, mentors, volunteers,
support folks and committee members! See you at the
19th Annual Salisbury University Student Research
Conference in April 2020!*

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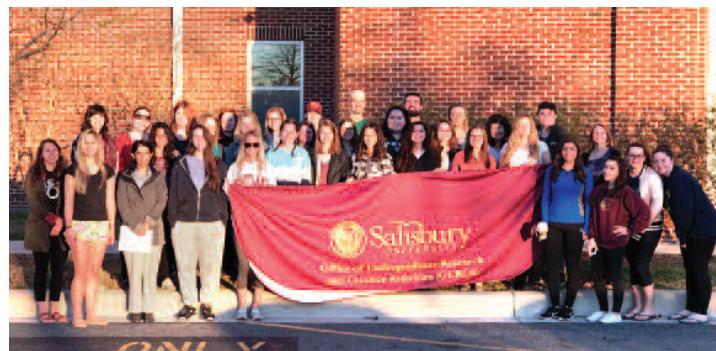
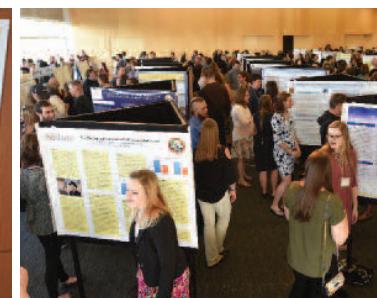
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