



SALISBURY UNIVERSITY STUDENT RESEARCH CONFERENCE

Henson Science Hall & Guerrieri Academic Commons

Friday, April 27, 2018 12:30 pm - 7:30 pm

Intent to Submit
Thursday
3.15.2018

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Salisbury
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17th Annual Salisbury University Student Research Conference

Friday, April 27th, 2018

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Conference Outline

Registration	Henson Science Hall	12:30 p.m. - 4:30 p.m.
Oral Presentation	Henson Science Hall	1:30 p.m. – 5:45 p.m.
Session 1:	1:30 p.m. – 2:50 p.m.	Oral Research Presentations
<u>Panel</u>	<u>Room</u>	<u>Title</u>
1A	HS 103	Genes to Structure and Function
1B	HS 107	Modern Languages
1C	HS 109	Robots and Automation
1D	HS 111	Race
1E	HS 113	Climate Change and Taxonomy
1F	HS 115	Self-esteem, Coping and Discrimination
1G	HS 123	Math and Graphing
1H	HS 211	Performing Arts
1I	HS 243	Women: Contexts and Cultures
Session 2:	3:00 p.m. – 4:20 p.m.	Oral Research Presentations
<u>Panel</u>	<u>Room</u>	<u>Title</u>
2A	HS 103	Social Media and Public Relations
2B	HS 107	Arduino
2C	HS 109	Government and Workplace
2D	HS 111	Television and It's Power to Shape Values, Attitudes and Opinions
2E	HS 113	Environmental
2F	HS 115	Brain Waves and Moving Planets
2G	HS 123	Potpourri
2H	HS 211	Zebrafish, Zooplankton, Flatworms and Bacteria
2I	HS 243	Health
Session 3:	4:30 p.m. – 5:50 p.m.	Oral Research Presentations
<u>Panel</u>	<u>Room</u>	<u>Title</u>
Round Table	HS 123	A Study of W.E.B. DuBois and the Theory of "Double-Consciousness"
3A	HS 103	Technology and Entertainment
3B	HS 107	History
3C	HS 109	Philosophy
3D	HS 111	Turtles, Salamanders and Snails
3E	HS 113	Ligands, Oxazoles and Fluorophores
3F	HS 115	Mental Health and Children
3G	HS 243	Salisbury University Student Satisfaction
Poster Presentation Session with Refreshments		
Guerrieri Academic Commons, 4th Floor Assembly Hall		
6:00 p.m. – 6:30 p.m.	Welcome with Opening Remarks	
6:30 p.m. – 7:30 p.m.	Research Posters, Refreshments, & Outstanding Research Mentor Award	

The Registration & Information table will be open:

12:30 p.m. - 4:30 p.m. Henson Hall Lobby

5:00 p.m. - 6:00 p.m. Guerrieri Academic Commons, 4th Floor Assembly Hall

I. Registration (*presenters please check in at least 1 hour before your Session*)
12:30 p.m.-4:30 p.m. Henson Science Hall Lobby

Information Table Volunteers:

Dr. Tina P. Reid, Department of Nursing
Dr. Suzanne Osman, Department of Psychology
Amy Jones, Salisbury University Libraries
Dr. Deneen Long –White, Health & Sport Sciences
Gloria Horner, Career Services

II. Oral Presentation Sessions

1:30 p.m. - 5:45 p.m. Henson Science Hall Lobby

Information Table Volunteers, Oral Session/Back-up Panel Moderators:

Christina Camillo, Department of Health Sciences
Dr. Elizabeth Emmert, Department of Biological Sciences
Vicky Adeniran, University Dining Services
Dr. Leonard Arvi, Department of Economics and Finance
Dr. Eun-Jeong Han, Department of Communication Arts
Dr. Sang-Eon Park, Department of Math and Computer Science
Carrienne Cicero, Academic Affairs
Dr. Richard Hoffman, Department of Management and Marketing
Dr. Stacia Kock, The Honors College
Dr. Tylor Claggett, Department of Economics and Finance
Caroline Eckardt, Salisbury University Libraries
Dr. Susan Mahoney, English Language Institute
Dr. Joe Anderson, Department of Mathematics and Computer Science
Jennifer Marvin, Department of Social Work
Dr. Steve Hetzler, Department of Mathematics and Computer Science
Dr. Jenny Toonstra, Department of Health and Sport Sciences
Meghan East, Medical Laboratory Science Program
Dr. Mark Walter, Department of Psychology
Dr. Derya Kulavuz-Onal, Department of English
Dr. Kayla Follmer, Department of Management & Marketing
Dr. Jason McCartney, Department of Psychology
Dr. Céline Carayon, Department of History
Dr. Heidi Fritz, Department of Psychology
Gaylord Robb, Salisbury University Libraries
Dr. Brent Fedorko, Department of Health and Sport Sciences
Dr. Kurt Ludwick, Department of Math and Computer Science
Dr. Eugene Williams, Department of Biological Sciences
Susan Brazer, Research/Instructional & Science Librarian
Dr. Rachel Steele, Department of Psychology
Kevin Vedder, Associate VP for Human Resources

Information Table Moderators, Oral Session/Back-up Panel Moderators (Cont.)

Dr. Jill Caviglia-Harris, Department of Economics & Finance
Dr. Michael J. Bardzell, Department of Mathematics and Computer Science
Dr. Kristen Walton, Department of History
Dr. Lori Carmack, Department of Mathematics and Computer Science
Robin Vickery, Business Librarian
Dr. Lance Garmon, Department of Psychology
Dr. John LaManca, Department of Health and Sport Sciences
Dr. Michael Carter, Department of Biological Sciences
Dr. Chrys Egan, Department of Communication Arts
Dr. Adam Woodis, Department of Modern Languages
Lauren Hill, The Honors College
Dr. Yuki Okubo, Department of Psychology

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

1A Genes to Structure and Function **Henson Hall 103**

Moderator: Meghan East, Medical Laboratory Science Program

- 1:30-1:45 Assessing the Effects of Inorganic Arsenic on IL-1 β and TNF α Secretion, Gene Expression and DNA Methylation in Murine Macrophages to Gauge Immunotoxic Effects of Heavy Metals
- Lauren DeLong** *Faculty Mentor – Jennifer Nyland, Biological Sciences
- 1:50-2:05 Comparing Mitochondrial Pyruvate Carrier Gene Expression in Juvenile and Adult Honey Bees Using the MPC-2 gene
- Kara van Fleet** *Faculty Mentor – Stephen Gehrlich, Biological Sciences
- 2:10-2:25 Optimization of hyperglycemic-induction using streptozotocin in adult zebrafish
- Madison Weinberg** *Faculty Mentor – Jessica Clark, Biological Sciences
- 2:30-2:45 Deletion of the yeast DUF1 gene decreases programmed cell death and increases mitochondrial dysfunction
- Sarah True** *Faculty Mentor – Les Erickson, Biological Sciences

1B Modern Languages**Henson Hall 107***Moderator: Dr. Derya Kulavuz-Onal, Department of English*

1:30-1:45 How the Art of Argentina's Remembrance Park Influences the Memory of the Disappeared

Jillian Swaim *Faculty Mentor – Corinne Pubill, Modern Languages

1:50-2:05 US-Nicaraguan Involvement through Political Cartoons

Alicia Gomez *Faculty Mentor – Corinne Pubill, Modern Languages

2:10-2:25 Adventures Abroad: Spain Edition

Erin Kelly *Faculty Mentor – Sally Perret, Modern Languages

2:30-2:45 Chilean Muralism: Street Art and its Role in Shaping Chilean Identity

Katherine Kruse *Faculty Mentor – Louise Detwiler, Modern Languages

1C Robots and Automation**Henson Hall 109***Moderator: Dr. Steve Hetzler, Department of Mathematics and Computer Science*

1:30-1:45 Bash Script Towards Automating Grading of Programming Assignments

Ian Schwartz *Faculty Mentor – Yaping Jing, Math & Computer Science

1:50-2:05 A Case Study for CTML: Performance Measurement of Mobile Manipulator Robots

Omar Aboul-Enein *Faculty Mentor – Yaping Jing, Math & Computer Science

2:10-2:25 Can a Robot Serve Effectively as an Occupational Therapist? Using Artificial Intelligence as Therapy for Children with Autism

Anna Burns * Faculty Mentor - Lauren Hill, Honors

2:30-2:45 Cycle Structures for Finite Cellular Automata Generated over Groups, Rings and Fields

Amy Vennos *Faculty Mentor – Michael Bardzell, Math & Computer Science

1D Race**Henson Hall 111***Moderator: Dr. Céline Carayon, Department of History*

- 1:30-1:45 Brothers of A Different Kind: Afro-Indian Race Relations in the Seminole and Cherokee Nations, 1790-1860
Kateria Rodriguez *Faculty Mentor – Céline Carayon, History
- 1:50-2:05 Assessment of Systemic Racism through the movie Get Out
Maya Thompson, Yesenia Vega, Nikaylla Augustinos, Alex Hickman, Dominic Albertini *Faculty Mentor – Chrys Egan, Communication Arts
- 2:10-2:25 The Eastern Shore Experience: How African Americans maintained their identity and adjusted into a post-slavery society during the Reconstruction Era
Abiodun Adeoye *Faculty Mentor – Aston Gonzalez, History
- 2:30-2:45 One is Not Enough: Aphra Behn’s Empty Condemnation of Slavery in Oroonoko
Olivia Hobbs *Faculty Mentor – Christopher Vilmar, English

1E Climate Change and Taxonomy**Henson Hall 113***Moderator: Dr. Mark Walter, Department of Psychology*

- 1:30-1:45 Understanding Attitudes Toward Climate Change: A Visual Imagery Study
Bridget Berdit, Emmanuel Ekhaton
* Faculty Mentor - Mark Walter, Psychology
- 1:50-2:05 Cleanliness, Conservatism, and Climate Change: The Effects of Reminder of Physical Cleansing on Reactions toward Climate Change
Jennifer Isacoff * Faculty Mentor - Mark Walter, Psychology
- 2:10-2:25 Shifting Species: Taxonomic Changes in Paleoanthropology
Annelise Beer *Faculty Mentor - Elizabeth Ragan, History
- 2:30-2:45 Contributions in Taxonomy: Maryland Dynastinae
Denise Manole *Faculty Mentor – Dana Price, Biological Sciences

1F Self-esteem, Coping and Discrimination Henson Hall 115*Moderator: Dr. Jason McCartney, Department of Psychology*

- 1:30-1:45 Qualitative Analysis of Racism and Coping
Roshaun Coombs, Ronald Montgomery, Robert Cressman, Maheesha Mundannayake * Faculty Mentor – Yuki Okubo, Psychology
- 1:50-2:05 The Invisible Prejudice
Christopher Archie *Faculty Mentor – Catherine Jackson, Academic Advising
- 2:10-2:25 Double Jeopardy: Employment Discrimination Experienced by Returning Citizens
Eleanor Brown * Faculty Mentor – Jennifer Jewell, Social Work
- 2:30-2:45 Birth Order, Self-Esteem and Non-Cognitive Predictors
Carolyn Nekula * Faculty Mentor – Kyoung Rae Jung, Psychology

1G Math and Graphing Henson Hall 123*Moderator: Dr. Kayla Follmer, Department of Management & Marketing*

- 1:30-1:45 Compound Distributions and Applications in the Stock Market
Alissa Talbert * Faculty Mentor – Veera Holdai, Math and Computer Science
- 1:50-2:05 Who is the Most Clutch Basketball Player in the NBA Right Now?... Using Math to Find the Answer
Michael Millemann *Faculty Mentor – Jathan Austin, Math and Computer Science
- 2:10-2:25 Graphical Analysis of the Wehmeuller Conjecture
Preston Mouw * Faculty Mentor – Lee May, Math and Computer Science
- 2:30-2:45 The Effect of Nonsense Variable Names on Understanding of 2x2 Factorial Graphs
Hannah Manning, Haylie Morrill, Jessica Stallings
* Faculty Mentor – Larence Becker, Psychology

1H Performing Arts**Henson Hall 211***Moderator: Dr. Heidi Fritz, Department of Psychology*

- 1:30-1:45 Humanity's Finest Teammate: A Study of Equine Athletes Through Digital Photography
Josephine Noonan * Faculty Mentor – Jeanne Anderton, Art Department
- 1:50-2:05 Ten Actors in Search of a Narrative: The process of creating a character in an ever-evolving new script before a live audience for the first time
Chelsea Eline, Michael Mitchell, Gianna Pesaniello, Shane Love
*Faculty Mentor – Robert Smith, Theater and Dance
- 2:10-2:25 Mental Health Awareness Through The Arts
Martina Maya-Callen * Faculty Mentor – William Wolff, Art Department

1I Women: Contexts and Cultures**Henson Hall 243***Moderator: Dr. Jenny Toonstra, Department of Health and Sport Sciences*

- 1:30-1:45 Women in the Anglophone World
Madison Hill * Faculty Mentor – Kristen Walton, History
- 1:50-2:05 Free, Yet Bound: An Analysis of the Paradoxical Status of Women In the Islamic Republic of Iran
Ashley Sheibaniagdam *Faculty Mentor – Leonard Robinson, Political Science
- 2:10-2:25 Understanding Police Response to Domestic Violence
Rebecca Peffer *Faculty Mentor – Diane Illig, Sociology
- 2:30-2:45 Ambivalent Sexisms Role In Determining Responsibility For Gender Differentiated Negative Events
Juliet Vapsva * Faculty Mentor – Michele Schlehofer, Psychology

▪ **Second Oral Session** **3:00 p.m. - 4:20 p.m.**

2A Social Media and Public Relations Henson Hall 103

Moderator: Susan Brazer, Research/Instructional & Science Librarian

- 3:00-3:15 Trends; The Study of Social Media Challenges
Blake Parker, Kevin Sheahin, Noah Zentz, Kayd Ruggles, Brady Curley
 * Faculty Mentor – Chrys Egan, Communication Arts
- 3:20-3:35 Social Media and College Student Self-Image
Matthew Meekins, Gus Esham, Anthony Brock, Sean Woods
 * Faculty Mentor – Chrys Egan, Communication Arts
- 3:40-3:55 Is it Worth the Tweet?
Lindsey Ward * Faculty Mentor - Lauren Hill, Honors
- 4:00-4:15 More Than A Breeze: Using the In-Awareness Approach to Address the Struggle of Cultural Identity in Public Relations
Jeremie Davis * Faculty Mentor -Vinita Agarwal, Communication Arts

2B Arduino Henson Hall 107

Moderator: Dr. Michael J. Bardzell, Department of Mathematics & Computer Science

- 3:00-3:15 ATM Machine
Ryan Ridgewell, Brad Geyer *Faculty Mentor - Gene Hahn, Information & Decision Sciences
- 3:20-3:35 Arduino Project
Grace Kerr, Demi Schmitt *Faculty Mentor - Gene Hahn, Information & Decision Sciences
- 3:40 3:55 Arduino New Development project
Reilly Webb *Faculty Mentor - Gene Hahn, Information & Decision Sciences
- 4:00-4:15 3D Printed Generator
Bradley Geyer *Faculty Mentor - Gene Hahn, Information & Decision Sciences

2C Government and Workplace**Henson Hall 109***Moderator: Dr. Kristen Walton, Department of History*

- 3:00-3:15 A Management Perspective on How Information Technologies are Affecting Millennials in the Workplace. Exploring Narcissism, Complexity Avoidance and Instant Gratification.
Philip Maher * Faculty Mentor – E. Patrick McDermott, Management & Marketing
- 3:20-3:35 Government, Capitalism, and Religion in 1600 Europe and America
Parris Seabrook * Faculty Mentor - Kristen Walton, History
- 3:40 3:55 The Past and Present Friends of the United States in the Middle East: Iran and Saudi Arabia
Katherine Bierly * Faculty Mentor – Joseph Venosa, History

2D Television and It's Power to Shape Values, Attitudes and Opinions**Henson Hall 111***Moderator: Kevin Vedder, Associate VP for Human Resources*

- 3:00-3:15 Going Rogue: How Steve Franks' 'Psych' Validates Unethical Behavior
Brian Nieves * Faculty Mentor – Michael Moedder, Communication Arts
- 3:20-3:35 Shameless and its Portrayal of an Immoral Lower Class
Alexis Kirkey * Faculty Mentor – Michael Moedder, Communication Arts
- 3:40-3:55 Portrayal of Female Body Image in the NBC Drama This Is US
Rachel Wigglesworth * Faculty Mentor – Michael Moedder, Communication Arts
- 4:00-4:15 Black Mirror: A Dark Reality of Convenient Technologies
Elizabeth Lowe * Faculty Mentor – Michael Moedder, Communication Arts

2E Environmental**Henson Hall 113***Moderator: Dr. Jill Caviglia-Harris, Department of Economics & Finance*

- 3:00-3:15 An Arctic Agenda: Environmental Justice for the Inuit
Michael Bowman * Faculty Mentor – Sarah Surak, Political Science
- 3:20-3:35 Wicomico Creekwatchers
Karly Lohan * Faculty Mentor – Christina Bradley-Schmidt, Biological Sciences
- 3:40-3:55 Impacts of Water Availability on the Production Choices of Small-scale Farmers in the Brazilian Amazon
Jasmine Fuller * Faculty Mentor – Jill Caviglia-Harris, Economics & Finance
- 4:00-4:15 Neuroanatomy and Feeding Habits of Waterfowl
Patrick Garvey * Faculty Mentor – Jeremy Corfield, Biological Sciences

2F Brain Waves and Moving Planets Henson Hall 115*Moderator: Dr. Kurt Ludwick, Department of Math and Computer Science*

- 3:00-3:15 Can Brain Waves Move Massive Objects?
Paulo Leite * Faculty Mentor – Asif Shakur, Physics
- 3:20-3:35 Lacunarity Characterization of DLA Clusters
Paul Komiske * Faculty Mentor – Jeffrey Emmert, Physics
- 3:40-4:55 Using Computer Simulations and Unusual Orbits to Discover New Planets
Joseph Eisenacher * Faculty Mentor – Steven Binz, Physics
- 4:00-4:15 Using Machine Learning to Read Your Mind
Mahmoud Yousif, Lela Bones * Faculty Mentor – Joseph Anderson, Math and Computer Science

2G Potpourri**Henson Hall 123***Moderator: Dr. Rachel Steele, Department of Psychology*

- 3:00-3:15 Aggressive and (Not) Funny: Exploring the Importance of Social Skills when Using Aggressive Humor
Tyler McGinness *Faculty Mentor – Heidi Fritz, Psychology
- 3:20-4:35 Face Recognition based on Matlab
Jian Liu * Faculty Mentor – Xiaohong Wang, Math and Computer Science
- 3:40-3:55 Isolation and Quantification of *Apis mellifera* Mitochondrial Pyruvate Carrier complex
Collin Dunnam * Faculty Mentor – Stephen Gehnrich, Biological Sciences
- 4:00-4:15 Using Artificial Intelligence and High Performance Computers in Video Games
Paul Fischer *Faculty Mentor – Randall Cone, Math and Computer Science

2H Zebrafish, Zooplankton, Flatworms and Bacteria**Henson Hall 211***Moderator: Dr. Eugene Williams, Department of Biological Sciences*

- 3:00-3:15 Trophic and Immunologic Responses of Zooplankton Exposed to Environmental Toxicants
Christin Bogley * Faculty Mentor – Christina Bradley-Schmidt, Biological Sciences
- 3:20-3:35 A Stable isotope analysis of the trophic relationships of two intestine-dwelling avian flatworms: a host tissue-feeding trematode, and a nutrient absorbing cestode
Miranda Smullen * Faculty Mentor – Christina Bradley-Schmidt, Biological Sciences
- 3:40-3:55 Scat Stats: Determining the levels and the potential sources of fecal bacteria in a local water way, focusing on Human, Dog and Poultry specimens
Garrett Gordy, Kara Ogburn * Faculty Mentor – Mark Frana, Biol. Sciences
- 4:00-4:15 Restoring Integrity and Function of the Peripheral Nervous System via Alagebrium Administration in Hyperglycemic Zebrafish
Michael Kramer * Faculty Mentor – Jessica Clark, Biol. Sciences
- 4:20-4:35 Does Docosahexaenoic Acid (DHA) Inhibit Metastasis in B16 Cell Lines by Altering Cell Adhesion Potentials and Cell Motility?
Jacob Shilling * Faculty Mentor – Eugene Williams, Biol. Sciences

2I Health Henson Hall 243*Moderator: Dr. Brent Fedorko, Department of Health and Sport Sciences*

- 3:00-3:15 Evaluating Patients' Medical Orders for Life-Sustaining Treatment (MOLST) Forms at a Community Hospital in Maryland
Kyle Gahagan * Faculty Mentor – Barbara Wainwright, Math and Computer Science
- 3:20-3:35 Comparison of the likelihood of head injuries between the combat sports of Boxing and Mixed Martial Arts
Dan Stretz * Faculty Mentor – Meredith Madden, Health and Sport Sciences
- 3:40 3:55 Validity of Activity Monitors (fitbit) and Propriety Algorithms for Measuring Energy Expenditure
Michael Quarantillo * Faculty Mentor – Scott Mazzetti, Health and Sport Sciences
- 4:00-4:15 Analysis of Energy Consumption in CA, AZ, NM, and TX
Iffat Sarfraz *Faculty Mentor – Robert Tardiff, Math and Computer Science

▪ **Round Table Discussion Panel** **4:30 p.m. - 5:45 p.m.**

Round Table**Henson Hall 123***Moderator: Dr. Cristina Cammarano, Dept. of Philosophy & Dr. James King, Dept. of English*

- 4:30 – 5:45 A Study of W.E.B. DuBois and the Theory of "Double-Consciousness"
Veda Nowowieski, Sharon Metzger, Monae Butler, Larren Burgess,
Nia Avery *Faculty Mentor – Cristina Cammarano, Philosophy

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

3A Technology and Entertainment Henson Hall 103

Moderator: Dr. Chrys Egan, Department of Communication Arts

4:30-4:45 Contemporary Streaming and the Cultural Impacts of Black Mirror

Claire Kelly, Monica Salters, Thomas Mannion, Kyle Stencel, Kennedi Lamar

*Faculty Mentor – Chrys Egan, Communication Arts

4:50-5:05 The Use of Auto-Tune in Popular Music... Is It Effective?

Charles Fern, Amanda Stephenson, Aidan Ruane, Michael Bean, Connor Moloney

*Faculty Mentor – Chrys Egan, Communication Arts

3B History Henson Hall 107

Moderator: Lauren Hill, Honors

4:30-4:45 The Flames of Rebellion: The Revolt of 1777 on the Delmarva Peninsula

Matthew Lewis

*Faculty Mentor – Céline Carayon, History

4:50-5:05 The Fighting Men of the American Revolution

Parker DeWitt

*Faculty Mentor – Kristen Walton, History

5:10 – 5:25 Influences on the Founding of the United States

Chiara Benato

*Faculty Mentor – Kristen Walton, History

3C Philosophy Henson Hall 109*Moderator: Dr. Adam Woodis, Department of Modern Languages*

- 4:30-4:45 An Auto-Ethnography on Facilitating Philosophical Discourse with the elderly
Rebecca Lederman *Faculty Mentor – Cristina Cammarano, Philosophy
- 4:50-5:05 Resisting Ignorance to Reveal Hermeneutical Deficits
Jackson Malkus *Faculty Mentor – Grace Clement, Philosophy
- 5:10-5:25 Classical Indian Epistemology, Chinese Epistemology and Skepticism
Wesley Rubbin * Faculty Mentor – Joerg Tuske, Philosophy

3D Turtles, Salamanders and Snails Henson Hall 111*Moderator: Dr. Michael Carter, Department of Biological Sciences*

- 4:30-4:45 Determining the Occurrence of Sex-Biased Dispersal and Potential for Inbreeding in an Endangered Species, the Spotted Turtle (*Clemmys guttata*)
Myra Dickey *Faculty Mentor – Eric Liebgold, Biological Sciences
- 4:50-5:05 A Proposal to estimate population size using mark-recapture methods and egg mass surveys of the Eastern tiger salamander (*Ambystoma tigrinum*)
Hannah Small *Faculty Mentor – Eric Liebgold, Biological Sciences
- 5:10-5:25 Which turtle species are the best housemates? Cohabitation in pond turtle species
Eaqan Chaudhry *Faculty Mentor – Eric Liebgold, Biological Sciences
- 5:30-5:45 Molecular and Morphological Identification of Echinostomes in the Mud Snail, *Ilyanassa obsoleta*, the Ribbed Mussel, *Geukensia demissa*, and the Herring Gull, *Larus argentatus*, in a Delaware Salt Marsh
Marissa Moran *Faculty Mentor – Ann Barse, Biological Sciences

3E Ligands, Oxazoles, and Fluorophores Henson Hall 113

Moderator: Dr. John LaManca, Department of Health and Sport Sciences

- 4:30-4:45 Closing the Nuclear Fuel Cycle: Synthesis of a Tetra-aza Ligand
Samantha Labb, Savannah Albright
* Faculty Mentor – Seth Friese, Chemistry
- 4:50-5:05 Optimizing the Rapid Synthesis of Highly-Substituted Oxazoles
Abhisek Purohit * Faculty Mentor – Stephen Habay, Chemistry
- 5:10-5:25 Purge and Trapping
Jesse Lancaster * Faculty Mentor – Anita Brown, Chemistry
- 5:30-5:45 Mapping the Way: Using the Cy3 Fluorophore to Map Protein Surfaces
Tom Montag * Faculty Mentor – Joshua Sokoloski, Chemistry

3F Mental Health and Children Henson Hall 115

Moderator: Dr. Lance Garmon, Department of Psychology

- 4:30-4:45 Parent Child Conversations Regarding the Movie Finding Dory
Alexandra Greer * Faculty Mentor – Rhyannon Bemis, Psychology
- 4:50-5:05 A Meta-analysis of Effect Sizes in Health Psychology Interventions
Andrea Carmack, Haylie Morrill, Sheridan Sargent
*Faculty Mentor – Thomas Tomcho, Psychology
- 5:10-5:25 A Scandinavian Perspective on Juvenile Justice in Baltimore, Maryland
Lydia Jernigan * Faculty Mentor – Toran Hansen, Conflict Analysis and Dispute Resolution

3G Salisbury University Student Satisfaction Henson Hall 243*Moderator: Robin Vickery, Business Librarian*

- 4:30-4:45 Research on Student Satisfaction with the Center for Student Achievement (CSA)
Jordan Brien, Lauryn Majchrzak, Young Le, Jullia Jabbari, Tiffany Russo
 *Faculty Mentor – Eun-Jeong Han, Communication Arts
- 4:50-5:05 Salisbury University Student Usage and Satisfaction of MAGGS Gym
Allison Brannon, Megan Souder, Michael Slattery
 *Faculty Mentor – Eun-Jeong Han, Communication Arts
- 5:10-5:25 SU Students Usage and Satisfaction of the Writing Center
Emily Conner, Keely Gray, Devin Liner, Madeline O’Gwin, Sydney Sebold
 *Faculty Mentor – Eun-Jeong Han, Communication Arts

III. Poster Presentation Session

**6:00-7:30pm Guerrieri Academic Commons, 4th Floor
 Assembly Hall**

Information Table Volunteers*Dr. Jim Forte, Social Work**Dr. Echo Leaver, Psychology**Rob Garner, Academic Advisor***Poster Room Set-up Volunteers***James Parrigin, Salisbury University Libraries**Shannon Hardester, Registrar’s Office**Dr. Meredith Patterson, Department of Psychology**Haleigh LaChance, Graduate Studies and Research**Jessica Scott, Graduate Studies and Research**Carrie Tingle, University Analysis, Reporting, and Assessment*

Poster Presentations (Title, Presenter, and *Faculty Mentor)

1. Race, Criminal Charges, and Sentencing in the District Court of Salisbury

Benjamin Van Bloem

* Faculty Mentor – Adam Hoffman, Political Science

2. Bridges: One on One Instruction

Matthew Cameron

*Faculty Mentor - Alexander Pope IV, Teacher Educ.

3. Optimizing the expression and purification of green fluorescent protein for a biochemistry teaching lab

James Douglas

*Faculty Mentor – Alison Dewald, Chemistry

4. Pi-Cation Interactions in SAM Enzymes

Steven Clayton

* Faculty Mentor – Anita Brown, Chemistry

5. Quantitative Analysis of TCE Contamination in Ground Water Samples

Christianna Belzner, Jeffrey Benner* Faculty Mentor – Anita Brown, Chemistry

6. Morphological Identification of Schistosomes and Diplostomes from Gulls, *Larus* spp.

Chelsey Tull, Jennifer Veenhof

* Faculty Mentor – Ann Barse, Biological Sciences

7. Analyzing Optimal Areas for Runoff Mitigation Using Flow Accumulation and Terrain Analysis in the Upper Wicomico River Watershed

Bryan Van Gieson

* Faculty Mentor – Arthur Lembo, Geography and Geosciences

8. Using a criteria-based GIS model to identify ideal habitats for summer flounder (*Paralichthys dentatus*) in the Chesapeake Bay

Philip Winter

* Faculty Mentor – Arthur Lembo, Geography and Geosciences

9. The Impact of Road Salt Intrusion in the Chesapeake Bay Watershed, an Example of Two Water Management Strategies

James Kirk

* Faculty Mentor – Arthur Lembo, Geography and Geosciences

10. Baltimore Issues: A GIS based regression analysis of homicide clusters to unemployment rate and 911 narcotic calls, 2015

Joseph Chamberlain

* Faculty Mentor – Arthur Lembo, Geography and Geosciences

11. Access to Emergency Care: a Territory Analysis of Vulnerable Populations on Maryland's Eastern Shore

Amber Ginsburg

*Faculty Mentor-Arthur Lembo, Geography & Geosciences

12. Modeling the impact of CAFOs contribution to phosphorous and nitrogen loading on the immediate Chesapeake Bay Watershed in Cecil County, MD

Earl Simpson

*Faculty Mentor-Arthur Lembo, Geography & Geosciences

13. The Effects of Soil Erosion and Sea Level Rise on Loss of Terra Firma for Islands in the Tangier Sound, 1938 - 2017

James Coats

*Faculty Mentor-Arthur Lembo, Geography & Geosciences

14. A Comparison of the Lower Wicomico and Lower Nanticoke River stream and landscape morphology 1938 - 2017

Haley Parisi

*Faculty Mentor-Arthur Lembo, Geography & Geosciences

15. Which store to close: a GIS based retail analysis of Macy's Department Stores in the Mid Atlantic

Leighana Pasqual

*Faculty Mentor-Arthur Lembo, Geography & Geosciences

16. Analysis of the geographic extent of snowline fluctuation on Mt. Rainier, Washington from 2012-17

Grace Thornton

*Faculty Mentor-Arthur Lembo, Geography & Geosciences

17. The impact of climate change and sea level rise on coastal agricultural land in Wicomico County, MD

Emily Cohoon

*Faculty Mentor-Arthur Lembo, Geography & Geosciences

18. Contribution of Land Use on Hypoxic (Dead) Zones in the Chesapeake Bay Watershed

Nicholas Russell

*Faculty Mentor-Arthur Lembo, Geography & Geosciences

19. Examining the Temporal and Spatial Pattern of Aquaculture Development in Watersheds in the Brazilian Amazon: 1984-2016

Kyle Kim

*Faculty Mentor-Arthur Lembo, Geography & Geosciences

20. Analysis of Community-Meditation Programs in the United States

Brittany Kesteven, Abigail Hastings

* Faculty Mentor – Brian Polkinghorn, Conflict Analysis and Dispute Resolution

21. Discrimination in the Nonprofit Workforce

Benjamin Law

* Faculty Mentor - Carolina Bown, Modern Languages

22. Associating Race and Drugs? Investigating the Relationship Between Race and Drug Involvement

Hunter Jennings * Faculty Mentor – Cecilia Acocella, Psychology

23. ADHD and Perception of Recreational Drug Use

Alexandria Camper * Faculty Mentor – Cecilia Acocella, Psychology

24. Analysis of Nutrient Concentrations and Productivity in Dammed and Undammed Systems within the Chesapeake Bay Watershed

Nicole Hammond, Audrey Ramming, Navin Vijayarangan

* Faculty Mentor – Christina Bradley-Schmidt,
Biological Sciences

25. Analyzing Anthropogenic Influences on Waterfowl Through Stable Isotope Analysis

Garrett Hansen * Faculty Mentor – Christina Bradley-Schmidt,
Biological Sciences

26. Dam effects on biomass and composition changes with the food web

Vanessa Walsh * Faculty Mentor – Christina Bradley-Schmidt,
Biological Sciences

27. Quantifying Marine Derived Nutrient Importance in Dammed and Riverine Environments

Bradley Rose * Faculty Mentor – Christina Bradley-Schmidt,
Biological Sciences

28. Estimating Soil Organic Carbon in the Salisbury University Arboretum

Danny Nguyen, Anthony Labarck, Rachelle Joseph, Cierra Poole, Navin Vijayarangan

* Faculty Mentor-Christopher Briand, Biological Sciences

29. PRESTO MUSIC LESSON: Creating a Summer Camp for Children

Mary Foley * Faculty Mentor – Chrys Egan, Communication Arts

30. Salisbury and Wicomico County Employment Support: Helping the Community Help Itself

Shannon Downes * Faculty Mentor – Chrys Egan, Communication Arts

31. Application of Self Organizing Maps to Winter Precipitation on the Delmarva Peninsula

Allison Banks * Faculty Mentor – Craig Ramseyer, Geography
and Geosciences

32. Investigation and Analysis in to the Atmospheric Mechanisms that produced the Salisbury, Maryland

Maximilian Magness * Faculty Mentor – Craig Ramseyer, Geography and Geosciences

33. The Effects of Adulterants on Oral Fluid Drug Testing with DISCOVER ONE STEP 5 PANEL SALIVA

Boglarka Bothazi, Kaylie Dunbar * Faculty Mentor – Diane Davis, Health Sciences

34. Bias Avoidance

Kristen Judy, Karley McDermott * Faculty Mentor – Echo Leaver, Psychology

35. Emotional, Cognitive and Physical Benefits of Meditation

Megan Lucas * Faculty Mentor – Echo Leaver, Psychology

36. Psychophysiological Correlates of Dental Anxiety

Shannon Chambers, Emma Schmitt

* Faculty Mentor – Echo Leaver, Psychology

37. Two Heads Are Not Always Better Than One: The Relationship Between Collision versus Contact Sports and Cognitive Performance

Michaela Loven, Tess Alexander * Faculty Mentor – Echo Leaver, Psychology

38. Biochemical methods to analyze soil microbes on the Salisbury University campus

Abigail Lepera, Oscar Chatain * Faculty Mentor – Elizabeth Emmert, Biological Sciences

39. Analysis and Identification of Faunal Remains from an Early Maryland Colonial Site

Olivia Hamilton * Faculty Mentor - Elizabeth Ragan, History

40. Variation in availability for sampling among turtle species on the Delmarva Peninsula

Karsin Bachran, Jessica Bitondo * Faculty Mentor – Eric Liebgold, Biological Sciences

41. Impact of Electrode Shape on Electrochemical Deposition

Jacob Bardzell, Mason Casanova * Faculty Mentor – Gail Welsh, Physics

42. Arduino Product Development

Joseph Palmer, Connor Keough * Faculty Mentor – Gene Hahn, Information and Decision Sciences

43. Knowledge and Perceptions of Sports Psychology

Carly Notaroberto

* Faculty Mentor – Jason McCartney, Psychology

44. Gender in Nursing: The Effect of Having a Male Nurse on the Attitudes of Patients

Katherine Wise

* Faculty Mentor – Jeffrey Willey, Nursing

45. The Impact of Mercury Bioaccumulation on Copepods

Tiffany Nungari

* Faculty Mentor – Jennifer Nyland, Biological Sciences

46. Effects of Inorganic Mercury on Cytokine Release by Jurkat Cells

Crystal Thompson

* Faculty Mentor – Jennifer Nyland, Biological Sciences

47. 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

48. Eliciting Differentiation of Human T Lymphocytes into TH1 or TH2 cells with Inorganic Arsenic Exposure

Mollie Jewell

* Faculty Mentor – Jennifer Nyland, Biological Sciences

49. An Analysis of the Risks and Benefits of Combined Oral Contraceptive Use among Adolescents and Young Women

Victoria Stubbs

* Faculty Mentor – Jennifer Nyland, Biological Sciences

50. Assessing the Immunotoxic Effects of Mercury Exposure on Murine Macrophage Cultures

Mariah Passwaters-Stamp

* Faculty Mentor – Jennifer Nyland, Biological Sciences

51. Neural Morphology Associated with Species-Specific Communication in Songbirds

Caroline Copes

* Faculty Mentor – Jeremy Corfield, Biological Sciences

52. A Comparative Study on Sensory Brain Regions in Specialized and Unspecialized Birds

Dorothy MacLean-Blevins, Alesha Seifert, Brittany Edwards

* Faculty Mentor – Jeremy Corfield, Biological Sciences

53. Sensory Ecology of the Nocturnal Kakapo

Teri Keller

* Faculty Mentor – Jeremy Corfield, Biological Sciences

54. POSTER WAS WITHDRAWN

55. The Effects Of General Life Stress On Physical Activity And Functioning

Melissa Arias Anez

* Faculty Mentor – Karl Maier, Psychology

56. Statistical Requirements: Are the American Psychological Association guidelines being met?

Leanne Anderson, Emilee Fiscus

* Faculty Mentor – Larence Becker, Psychology

57. How Effective Are Brain-Training Programs?

Marcus Sowell

* Faculty Mentor – Larence Becker, Psychology

58. Necessary Changes to Vehicle Legislation in Light of the Rise of Autonomous Vehicles

Alicia Spero

* Faculty Mentor – Lauren Hill, Honors

59. As Common as a Cold: Increasing Rates of Adolescent Anxiety and Depression, Yet a Lack of Effective Treatments

Briana Murray

* Faculty Mentor – Lauren Hill, Honors

60. Green Synthesis Of Fluorescent Copper Indium Sulfide Quantum Dots For Solar Cell Applications

Kinan Abouassali

* Faculty Mentor – Lena Woodis, Chemistry

61. Characterization Of The Anti-Fungal Compounds Produced By Methylobacterium spp.

Rehan Choudhry

* Faculty Mentor – Mark Holland, Biological Sciences

62. Comparative Analysis of Cobalamin and Folate Content in Chenopodium quinoa Seeds as a Result of Microsymbiont Metabolic Production

Alexander Grillo

* Faculty Mentor – Mark Holland, Biological Sciences

63. Determining the Key Component for Reactivating Germination in Seeds

John McCloskey

* Faculty Mentor – Mark Holland, Biological Sciences

64. Sub Surface Defense Systems and Their Impact on Coastal Erosion

Edward Sylvia, Benjamin Valliant, Noah Remsberg

* Faculty Mentor – Mark Muller, Physics

65. A Conceptual Analysis of Candidate Trump's Twitter Communication: Changes Over Time

Sabrina Gonce, Giacinta Giglio-Valentino, Morgan Stumpf, Hannah Burhans, Gina D'Asto

* Faculty Mentor – Mark Walter, Psychology

66. Modeling the Local Solar System

Alex Potocko

* Faculty Mentor – Matthew Bailey, Physics

67. Neural Correlates of Item and Associative Memory

Tyler Kortman, Samantha Rubenstein, Samantha Kline, Kaitlyn Nibblett

* Faculty Mentor – Meredith Patterson, Psychology

68. Attitudes and Experiences of LGBTQ People in the City of Salisbury: Public Policy Recommendations

Lida Allen

* Faculty Mentor – Michele Schlehofer, Psychology

69. Experiences of Parents of Transgender Children

Claire Howard, Domonique Bush, Sabrina Dixon

* Faculty Mentor – Michele Schlehofer, Psychology

70. Implementation of a Community- Based Outreach Hypertension Program in an Urban Beauty Salon

Ericka Smith

* Faculty Mentor – Nancy Smith, Nursing

71. The Physics of Music and its Educational Benefits: Creating a Curriculum

Rachael Fox, Justin McShane

* Faculty Mentor – Nicholas Troup, Physics

72. Copy Number Alterations on Human Chromosome 21 Associated with Prostate Cancer

Fiona Halloran

* Faculty Mentor - Philip Anderson, Biological Sciences

73. The Effect Of Interviewer Knowledge On Children's Memories Of How Learning Occurred

Jade Gomez

* Faculty Mentor – Rhyannon Bemis, Psychology

74. Psychoacoustic Factors and Audio Compression

Morgan Iachini

* Faculty Mentor – Robert Tardiff, Math and Computer Science

75. Combinatorics of the Chevally Quantum Bruhat Graph

Lela Bones, Garrett Fowler

* Faculty Mentor – Ryan Shifler, Math and Computer Science

76. Prevalence, Patterns, and Perceptions of Stress Related Self-Medication Tendencies Among College Students: Comprehensive Literature Review

Alyssa Rink, Caryl Martirez, Vasti Zelaya

* Faculty Mentor – Sherry Maykrantz, Health and Sport Sciences

77. Studies on Synthesis of Anti-migraine Drug Olcegepant

Julia Miller

* Faculty Mentor – Stephen Habay, Chemistry

78. A Mathematical Model For Linguistic Migration And The Popularity Of Languages

Shannon Bull, Laura Short, Lela Bones

* Faculty Mentor – Steven Hetzler, Math and Computer Science

79. Sexual Victimization Experience Predicting Empathy with an Unspecified or Date Rape Victim

Gina Santoriello

* Faculty Mentor – Suzanne Osman, Psychology

80. Using Mark-Recapture Techniques to Analyze Survival of Freshwater Turtles in Delmarva

Ashley Gray, Matthew Houlihan, Derik Rodgers

* Faculty Mentor – Tami Ransom, Environmental Studies

81. The Assessment of Conservation Attitudes at Ecotourism Sites in Trinidad and Tobago

Madalyn Hasz

* Faculty Mentor – Tami Ransom, Environmental Studies

82. Variances In Encounter Probabilities Among Turtle Species Found On The Delmarva Peninsula

Amanda Ellen, Michael Bowman

* Faculty Mentor – Tami Ransom, Environmental Studies

83. Mapping the Intersection of Geography and Psychology Research

Kena Garner

* Faculty Mentor – Thomas Tomcho, Psychology

84. Trauma in Clinical Case Studies

Jessica Stallings, Lisa Dixon * Faculty Mentor – Thomas Tomcho, Psychology

85. Resources that University Undergraduate Research Offices are Offering

Dana Rand, Rachel Lingenfelter * Faculty Mentor – Thomas Tomcho, Psychology

86. Extra-Credit For Participating In Research: Implications For Teaching Research

Amanda Brady, Alexis Shank * Faculty Mentor – Thomas Tomcho, Psychology

87. An Exploratory Conceptual Analysis Of 300 Peer-Reviewed Psychology Syllabi: Learning Goals And Activities

**Gina D'Asto, Morgan Stumpf, Giacinta Giglio-Valentino, Hannah Burhans,
Amanda Brady, Emma Layne** * Faculty Mentor – Thomas Tomcho, Psychology

88. Mapping a Meta-Synthesis of Participant Responses in Social Identity Complexity Research

Karley McDermott, Juliana Smith * Faculty Mentor – Thomas Tomcho, Psychology

89. Internships And Financial Gains: What Really Happens?

Emily Cox, Rachel Lingenfelter * Faculty Mentor – Thomas Tomcho, Psychology

90. Active or Empathetic Listening: What is really being measured in psychotherapy research?

Hannah Burhans, Sheridan Sargent, Katie Kirby, Meagan Fulton, Emma Layne
* Faculty Mentor – Thomas Tomcho, Psychology

IV. Outstanding Research Mentor Award

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

The 2018 Outstanding Research Mentor Award Nominees are:

Dr. Rhyannon Bemis – Psychology
Dr. Jessica Clark – Biological Sciences
Dr. Grace Clement – Philosophy
Dr. Judith Franzak – Doctoral Studies in Literacy
Dr. Stephen Habay – Chemistry
Dr. Steven Hetzler – Math and Computer Science
Dr. Echo Leaver – Psychology
Dr. Eric Liebgold – Biological Sciences
Dr. Scott Mazzetti – Health and Sport Sciences

Dr. John Nieves – English
Dr. Suzanne Osman – Psychology
Dr. Brian Polkinghorn – Conflict Analysis & Dispute Resolution
Dr. Ryan Shifler – Math and Computer Science
Dr. Robert Tardiff – Math and Computer Science
Dr. Thomas Tomcho – Psychology

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

Carolyne Paige Merwin:

“Rape acknowledgment status and recency since rape as correlates of college women’s body shame” *Psi Chi Journal of Psychological Research*. 2017.

Matthew Jones and Mary Knaub:

Co-authored “Working with noise in bivariate data” in the journal *Mathematics Teaching in the Middle School*.

Rachel Pierson:

"Digging into Ditches: A Historical and Geographic Analysis of Delmarva's Agricultural Drainage Ditches," Pierson, R. and G. Bloodworth. *Pennsylvania Geographer*. 2018.

"The Life of George Washington" Pierson, R. and G. Bloodworth. *Pennsylvania Geographer* planned submission April 2018.

Andres L:

Andes, L., and McFadden, J. (2017). "Early Literacy Texts: What Can They Tell Us?" *The International Journal of the Book*. 15(2): 1-11. doi:10.18848/1447-9516/CGP/v15i02/1-11.

Megan Newcomer:

“Umbral” in *Mochila Review*, Spring 2018.

"21", “Angle of Declination” and “String Theory: Eight Self Portraits in Mixed Media” in *Santa Clara Review*, Winter 2018 and Spring 2018.

Ranae Tucker:

“My Beautiful Radium” in Arkana, 2017.

“Oh Princess, Oh Pea” and “Bill Nye Says Horoscopes Are Fake” in Red Earth Review, 2018

Terin Weinberg:

“With Ashbury Blues” in Sink Hollow Literary Journal, 2018.

“Processes” in Red Earth Review, 2018.

“Out of Mouth” in Dark River Review, 2018.

“Teacup Bloom” in Waccamaw Journal, 2018.

“Third House to the Left” in New Southerner, 2017.

“By the Brinicle” and “Grinding Crafts” in Oakland Arts Review, 2017.

Emma DePanise:

“-273.15 °C” and “Spell It Out” in Asterism, 2017.

“Circumzenithal Arc,” “The Way Your Rivers Go,” and “Whale Song” in Mochila Review, 2017.

“Cringer” in Little Patuxent Review, 2017.

“Unnecessary Qualifiers” in Runestone, 2017.

“Before my parents got hitched” and “Laws of Conservation” in 30 North, 2018.

“Doomsday as When *Boys Being Boys* Become Fathers” in Polaris, 2018.

Katherine Michalik:

“Lockstitch” and “Baby Mold” in Asterism, 2017.

Virginia Mastro:

“How Ardent to Drown”, “Possession”, “Where the Messages Go”, and “A Hotel Room in D.C.” in 30North, 2017.

Alyssa Dietrich:

“Blindside” in Germ Magazine, 2017.

Juliet Vaspva:

Juliet Vaspva, with her research mentor Dr. Schlehofer, had a paper accepted for publication in the Global Journal of Community Psychology Practice titled “Development of a community psychology undergraduate course from a feminist pedagogical framework: Faculty and student experiences.”

Rainor Connor:

Asif Shakur and Rainor Connor “The PASCO Wireless Smart Cart: A Game Changer in the Undergraduate Physics Laboratory” *The Physics Teacher* **56** 152 March 2018.

Linda Stanley & Maida Finch. “Instructional strategies to enhance alphabet knowledge in kindergarten” *Journal of Teacher Action research*. 2018, vol. 4(2).

Student Presentations & Performances

Porter, H.D. (2018). Constructing an understanding of undergraduate disciplinary reading: An analysis of contemporary scholarship. *Journal of College Reading and Learning*, 48(1), 25-46.

Marjorie Ida SchianodiCola presented a poster at two conferences this spring entitled “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 on March 3rd, 2018 and the Maryland Council for Exceptional Children (CEC) State Conference in Columbia, MD on April 7th, 2018.

Michael Webber presented with Dr. Sarah Surak and Dr. Maarten Pereboom *Assessing Campus Culture for Civic Engagement* at the 2017 ADP/TDC/NASPA Civic Learning and Democratic Engagement Meeting in Baltimore, MD.

Michael Webber presented *The Importance of Assessment of Civic Engagement on College Campuses* at the 2017 University of Maryland Eastern Shore Graduate Research Symposium in Princess Anne, MD.

Michael Webber presented *Utilizing Qualitative Coding Techniques to Assess Civic Engagement on a College Campus* at the 2017 Salisbury University Student Research Conference in Salisbury, MD.

Madeline Naumann and Megan Rickards presented “A case study of children's initial learning of probability” at the National Conference on Undergraduate Research in Edmond, OK, April 2018.

Madeline Naumann and Megan Rickards presented “Fifth-graders’ learning of probability” at the National Science Foundation/Council for Undergraduate Research Symposium in Alexandria, VA, October 2017.

Gina Santoriello presented “Sexual Victimization Experience Predicting Empathy with an Unspecified or Date Rape Victim” at the annual meeting of the Eastern Psychological Association in Philadelphia, PA, March 2018.

Shannon Downes and Shannon McHenry presented “Salisbury and Wicomico County Employment Support: Helping the Community Help Itself” at the National Council on Undergraduate Research annual meeting in Oklahoma City, OK, April 2018.

Emily Cox presented “Girls (Boys) Innovation Academy” at the National Council on Undergraduate Research annual meeting in Oklahoma City, OK, April 2018.

Mary Foley presented “PRESTO Music Lessons: Creating a Summer Music Program for Children at the National Council on Undergraduate Research annual meeting in Oklahoma City, OK, April 2018.

Crysta Draayer presented "Addressing Environmental Injustice: The Viability of Community-Based Planning" at the 24th Annual Critical Geography Conference at Pennsylvania State University in Fall 2017.

Alyssa Massey presented "The Veiled Violence of Capitalist Agriculture" at The International Herbert Marcuse Society Eight Biennial Conference at York University, Toronto October 27th, 2017.

Alyssa Massey presented "Cooperatives: Building the road as we transition" at the Institute for Social Ecology Marshfield, VT, August 2017.

Madison Hill presented "The Real Housewives of the Working Class: A Discourse Analysis of Maternity Leave Policy" at The International Herbert Marcuse Society Eight Biennial Conference at York University, Toronto October 27th, 2017.

Madison Hill presented "The Real Housewives of the Working Class: Reexamining Existing Maternity Leave Policy," at NRHC, Spring 2019.

Bridget Berdit and Emmanuel Ekhaton presented "Understanding attitudes toward climate change: A visual imagery study." at the Annual Meeting of the Eastern Psychological Association in Philadelphia, PA, March 2018.

Jennifer Isacoff presented "The effects of reminders of physical cleansing on reactions toward climate change." at the Annual Meeting of the Eastern Psychological Association in Philadelphia, PA, March, 2018.

Rachel Pierson presented "Digging into Ditches: A Historical and Geographic Analysis of Delmarva's Agricultural Drainage Ditches," Pennsylvania Geographic Society Annual Meeting in Shippensburg, PA , November 2017.

Rachel Pierson presented "Digging into Ditches: A Historical and Geographic Analysis of Delmarva's Agricultural Drainage Ditches," at the National Conference on Undergraduate Research NCUR in Oklahoma City, 4-6 April 2018.

Tom Hamill presented "It's Academic! An Examination of the Effect a Culinary Teacher's Attitudes Towards Writing" at the National Council of Teachers of English Assembly for Research conference, March 2018 at Towson University.

Christina Camillo presented "Like Learning a Different Language: The Evolution of Disciplinary Literacy in Medical Laboratory Science Students" at the National Council of Teachers of English annual conference in St. Louis, MO, November 2017.

Christina Camillo presented "You Have to Start with the Basics: Emerging Disciplinary Literacy and Pre-Professional Identities in Medical Laboratory Science Students" at the Literacy Research Association annual conference in Tampa, FL, December 2017.

Christine Taylor presented "Multimodal Literacies in a Secondary Mathematics Classroom: A Sociocultural Approach" at the Literacy Research Association annual conference in Tampa, FL, December 2017.

Samantha Rubenstein presented "Stress Reduction from Music Intervention" at the Society for Neuroscience annual meeting in Washington, DC, November 2017.

Kristen Judy and Karley McDermott presented "Bias Avoidance" at the Mid-Atlantic Undergraduate Psychology Conference at Towson University, March 2018.

Karen Prengaman presented "Amplify ELLs' Limitless Learning Potential with Mathematics," at the Maryland TESOL conference, in Laurel, MD, November, 2017.

Karen Prengaman presented "Inclusive Writing Centers Geared to ELL Writers' Support," at the poster session of the 2018 Master's Student Forum at the International TESOL Convention, March, 2018.

Suzan Wikoff presented "Corpus Linguistics: What It Is and How to Use It" at the Maryland TESOL Conference in Laurel, MD, November, 2017.

Heather Porter presented "Understanding literacies and undergraduate learning" at the American Educational Research Association Annual Meeting in New York, NY, April 2018.

Heather Porter presented "Co-constructing disciplinary literacies in disciplinary communities" in National Council of Teachers of English Assembly for Research Midwinter Conference in Towson, MD, March 2018.

Andes., L., & McFadden, J. presented "Early Literacy Texts: What Can They Tell Us?" at the Fifteenth International Conference on Books, Publishing, & Libraries, Imperial College London, London, U.K., 2017.

McFadden, J. presented "Composing Practices of Multiracial Emergent Adult College Students: Expressions of Identity" at the National Council of Teachers of English Assembly of Research 2018 Annual Conference, Towson University, 2018.

McFadden, J. presented "Using Creative Analytic Processes to Break Down the Binary: Exploring Multiraciality through Multiple Modes of Story" at the 14th International Congress of Qualitative Inquiry, University of Illinois at Urbana, Champaign. 2018.

Jaimie Ridgely presented "Using Media Arts with Literacy" at the Salisbury University Arts in Motion Conference, Salisbury, MD, March, 2018.

Jaimie Ridgely presented "Twitter for the Classroom and as a Professional Learning Network" to the Faculty of Stephen Decatur Middle School, Berlin, MD, January, 2018.

Emma DePanise presented "Every Metal Grate: Exploring Identity as a Social Construct" at the National Conference for Undergraduate Research, Edmond, OK, April, 2018.

Jasmine Fuller presented "Data Overview: Rolim de Moura pilot study" at the National Socioenvironmental Synthesis Center (SESYNC) as part of the SESYNC Water, People & Ecosystems Pursuit Forests, Agriculture, and River (FAR) Systems in the Brazilian Amazon

Interactions between Deforestation, Seasonal Water Availability and Farm Production, March 12, 2018.

Eleanor Brown presented a poster at the Association of Baccalaureate Social Work Program Director's national conference in Atlanta, GA, March 2018.

Haylie Morrill, Hannah Manning, Jessica Stallings and Erin Whitt presented a poster "The ability of students to interpret 2x2 interaction graphs" at the meeting of Eastern Psychological Association 2018.

Leanne Anderson and Emilee Fiscus presented a poster "Statistical requirements: Are the American Psychological Association requirements being met?" at 2018 meeting of Eastern Psychological Association.

Meghan Murphy, Thomas Simpson, Zach Radziewicz, Bryan VanGieson, and Brian Hiller presented four papers at a special session entitled "Special Session: Arcpy Development for Quantitative Analysis" at the Environmental Systems Research Institute Mid Atlantic User Group Meeting on April 20, 2018.

Anne Kinsey presented a poster on Regrouping Intervention Strategies in Second Grade Math. (NAPDS, Jacksonville, FL, March 2018)

Shelby Ennis presented a poster on Fine Motor Skill Acquisition in Pre-K. (NAPDS, Jacksonville, FL, March 2018)

Shelby Ennis and Anne Kinsey presented at the National Association for Professional Development Schools annual conference in Jacksonville, Florida, March 2018.

Shelby Ennis and Anne Kinsey presented, along with Dr. Brandy Terrill, on Arts Integrated Instruction. (NAPDS, Jacksonville, FL, March 2018)

Juliet Vaspva, with her research mentor Dr. Schlehofer, will be presenting "Experiences of parents of trans and gender non-conforming pre-adolescents" at the Society for the Psychological Study of Social Issues conference in Pittsburgh, PA, June 2018.

Juliet Vaspva, with her research mentor Dr. Schlehofer, will be presenting "Parents' interpretation of and response to a child's emerging TGNC identity" at the American Psychological Association convention, San Francisco, CA August 2018.

Lida Allen, with her research mentor Dr. Schlehofer, will be presenting "Resources gap analysis for LGBTQ people in a quasi-rural city" at the Society for the Psychological Study of Social Issues conference in Pittsburgh, PA, June 2018.

Rebecca Peffer and Juliet Vaspva presented "Predictors of allyship for LGBTQ communities" at the Eastern Psychological Association Conference in Philadelphia, PA, March 2018.

Ryan Bailey, presenting his work on SU's production of *A Midsummer Night's Dream*, was the regional finalist in lighting design at the Region 2 Kennedy Center American College Theatre Festival.

Georgia Fried, presenting her work on SU's production of *Appropriate*, was the national finalist in costume design at the Region 2 Kennedy Center American College Theatre Festival. Fried will now attend the National Kennedy Center American College Festival in Washington DC - all expenses paid - to be considered for scholarship awards as well as internships and other professional opportunities.

Amanda Rocker presented "Migration of sensory neurons following chemical-genetic b-cell ablation in larval zebrafish" at the National Conference for Undergraduate Research, Edmond, OK, April, 2018.

Student Awards, Honors, and other Activities of Distinction

Carolyn Paige Merwin: Psi Chi's Annual Diversity Article Award in the Psi Chi; Journal of Psychological Research, 1st place, '17

Eleanor Brown: Student Poster Competition, 2nd place, '18

Rachel Pierson: Undergraduate Student Presentation, 1st place, '17

Nelcy Avila: Maryland Hispanic Scholarship, 1st place, '17

Emma DePanise: Polaris Undergraduate Poetry Contest, 2nd place, '18

Emma DePanise served as an invited reader at Little Patuxent Review's issue launch, Jan 2018.

Terin Weinberg: Terin Weinberg served as an invited reader at Little Patuxent Review's issue launch, January 2018.

Shelby Ennis, Anne Kinsey: Shelby Ennis received the NAPDS "Emerging PDS Leader" award. (NAPDS, Jacksonville, FL, March 2018)

Anne Kinsey was a finalist for the NAPDS "Emerging PDS Leader" award. (NAPDS, Jacksonville, FL, March 2018)

Shelby Ennis and **Anne Kinsey** served on a national panel of student members at the NAPDS conference. (NAPDS, Jacksonville, FL, March 2018)

Rebecca Peffer, Diamond Brown: Rebecca Peffer and Diamond Brown gave a workshop entitled "Adulthood as a gender non-conforming person" to Gender Conference East in November 2017.

Juliet Vaspva: Juliet Vaspva was selected to receive one of two Psychology Department Awards, to be conferred at Honors Convocation in May.

Chelsea Eline: Chelsea Eline received a Kennedy Center American College Theatre Festival Certificate of Merit for Scenic Design, for her work on SU's production of *A Midsummer Night's Dream*.

Bailey Kirk: Bailey Kirk received a Kennedy Center American College Theatre Festival Certificate of Merit for Stage Management, for her work on SU's production of *A Midsummer Night's Dream*.

Alli Payne: Alli Payne, nominated for her work in SU's production of *A Midsummer Night's Dream*, was a semi-finalist in the Region 2 Kennedy Center American College Theatre Festival Irene Ryan Acting Scholarship Competition; she competed against 200 other students.

Jeremiah Copeland: 2nd Place, Region 2 Kennedy Center American College Theatre Festival, '18; 1st place, Vocal Excellence, 18

Amanda Rocker: Goldwater Scholarship 2018 Honorable Mention

Lauren Delong: Goldwater Scholarship 2018 Honorable Mention

VI. Acknowledgements

▪ **2018 SUSRC Graphics (Posters & T-Shirts) & Program Cover:**

- Natalie Rogers (Winner 2018 SUSRC Poster Contest)
- Special Thanks
 - Paul Flexner, Professor, Art Department
 - Pamela Olszewski, Lecturer, Art Department
- Recognizing Other Student Poster Designers
 - Bria Fauntleroy
 - Brian Tulley
 - Taylor Streib
 - Elyse Krupinski
 - Gabrielle Caudill
 - Allecia Jones

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

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

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Chrys Egan, *Co-Director*

Megan Druzgala, *Graduate Assistant*

Julia Jabbari, *PR Intern*

OURCA Website:

<http://www.salisbury.edu/ourca/UndergradResearchFellows.html>

Inaugural Cohort of OURCA Undergraduate Research Fellows

Austin Dabbs, *Finance and Chemistry*

Lauren DeLong, *Biology*

Myra Dickey, *Biology*

Genevieve Kurtz, *Communication Arts: Journalism and Public Relations*

Colleen Lynch, *Exercise Science and Interdisciplinary Studies: Biology, Chemistry and Psychology*

Martina Maya-Cullen, *Art: Sculpture and Conflict Analysis and Dispute Resolution*

Ben Meister, *Exercise Science*

Julia Miller, *Chemistry*

Patrick Miller, *Biology*

Zackery Radziewicz, *Geography: Geographic Information Science*

Amanda Rucker, *Biology*

Juliet Vapsva, *Psychology*

Danielle Walker, *Political Science and English*

▪ SU Student Research Conference Committee:

Lisa Ball, *Henson School of Science and Technology*

Moushumi Chakraborty, *Library*

Jessica Clark, *Biological Sciences*

Brian Hill, *Economics and Finance*

Scott Mazzetti, *Health and Sport Sciences*

Aur lie Van de Wiele, *Modern Languages*

Kimberly van Vulpen, *Social Work*

Timothy Werner, *Health and Sport Sciences*

Ben Meister, SUSRC Student Assistant, *Exercise Science*

▪ Administration Support:

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Donna Knopf, Scott Garrison, Melissa Thomas, Marina Feeser, Dave Raizen, Yvonne Downie, Todd Smith, Jason Rhodes, Paul Clements, Jennifer Caddell, Kathy Pusey, Christine Smith, Matt Hill, Valerie Cullen, and David Lake

***Thank you to all our presenters, mentors, volunteers,
support folks, and committee members! See you at the
18th Annual Salisbury University Student Research
Conference in April 2019!!!***

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