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SUSRC

SALISBURY UNIVERSITY STUDENT RESEARCH CONFERENCE

FRIDAY, APRIL 28, 2017 12:30 - 7:30 PM

**INTENT TO
SUBMIT DEADLINE
MARCH 15, 2017**

**Salisbury
UNIVERSITY**

Salisbury University is an Equal Opportunity/Affirmative Action university and provides reasonable accommodation given sufficient notice to the University office or staff sponsoring the event or program.

**HENSON SCIENCE HALL &
GUERRIERI ACADEMIC COMMONS,
ASSEMBLY HALL**

16th Annual Salisbury University Student Research Conference

Friday, April 28th, 2017

Contents

Conference Outline	2
I. Registration.....	3
II. Oral Presentation Sessions	3
§ Round Table Discussion Session 1:30 p.m. – 2:45 p.m.	4
§ First Session 1:30 p.m. - 2:45 p.m.....	5
§ Second Session 3:00 p.m. - 4:15 p.m.	8
§ Third Session 4:30 p.m. - 5:45 p.m.	11
III. Poster Presentation Session.....	14
IV. Outstanding Research Mentor Award	26
V. Outstanding Student Research.....	27
VI. Acknowledgements	40

Conference Outline

Welcome	Henson Science Hall	
12:30 p.m. - 1:30 p.m.	Registration	
Oral Presentation	Henson Science Hall	1:30 p.m. – 5:45 p.m.
Session 1:	1:30 p.m. – 2:45 p.m.	Oral Research Presentations
Panel	Room	Title
Round Table	HS 123	<i>The Wife of Bath as Anti-Feminist</i>
1A	HS 103	Biological Analysis
1B	HS 109	Language
1C	HS 107	Numbers
1D	HS 243	Current Issues
1E	HS 111	Poems, Plays & TV
1F	HS 113	Historical Considerations
Session 2:	3:00 p.m. – 4:15 p.m.	Oral Research Presentations
Panel	Room	Title
2A	HS 103	Health & Development
2B	HS 111	Justice
2C	HS 113	Money
2D	HS 243	Environment & Wildlife
2E	HS 109	Being Mindful
2F	HS 211	Peace & Equality
2G	HS 107	Arduino I
Session 3:	4:30 p.m. – 5:45 p.m.	Oral Research Presentations
Panel	Room	Title
3A	HS 211	Genetics
3B	HS 103	Society
3C	HS 243	Politics or Acting?
3D	HS 109	Auto-Body
3E	HS 111	Religion
3F	HS 107	Arduino II

Poster Presentation Session with Refreshments

Guerrieri Academic Commons, 4th Floor Assembly Hall

6:00 p.m. – 6:30 p.m. Welcome with Opening Remarks, Performance by Squawkapella
6:30 p.m. – 7:30 p.m. Research Poster Displays, Refreshments, and 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

12:30 p.m.-1:30 p.m. Henson Science Hall Lobby

Information Table Volunteers:

Dr. Tina P. Reid, Department of Nursing

Dr. Suzanne Osman, Department of Psychology

Karen Rayne, Department of English

Dr. Jill Caviglia-Harris, Department of Economics

Dr. Deneen Long –White, Health & Sport Sciences

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

Elizabeth Gertsch, Dining Services

Celine Carayon, Department of History

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

Kristen Walton, Department of History

Dr. Larence Becker, Department of Psychology

Dr. Tammy Donaway, Franklin P. Perdue School of Business

Priscilla Davis, Academic Affairs

Dr. Jing Quan, Department of Information and Decision Science

William Wolff, Art Department

Dr. Diane Davis, Department of Health Sciences

Dr. Mark Walter, Department of Psychology

Dr. Louise Detwiler, Department of Modern Languages and Intercultural Studies

Dr. Steve Hetzler, Department of Mathematics and Computer Science

Dr. John Wenke, Department of English

Dr. Jenny Toonstra, Department of Health and Sport Sciences

Dr. Derya Kulavuz-Onal, Department of English

Meghan East, Medical Laboratory Science Program

Dr. Michael Lewis, Department of Environmental Studies

Dr. Richard Hoffman, Department of Management and Marketing

Dr. Jon-Philip Imbrenda, Department of Educational Specialties

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

Dr. Toran Hansen, Conflict Analysis and Dispute Resolution

Dr. Eugene Williams, Department of Biological Sciences

Dr. Rhyannon Bemis, Department of Psychology

Dr. Mara Chen, Department of Geography and Geosciences

Dr. Lori Carmack, Department of Mathematics and Computer Science

Dr. Yuki Okubo, Department of Psychology

Dr. Jason McCartney, Department of Psychology

Dr. Dane Foust, Vice president of Student Affairs

Robin Evans, Executive Administrative Assistant of Student Affairs

Dr. Vitus Ozoke, Conflict Analysis and Dispute Resolution

Dr. Allessia Owens, Department of Social Work

Dr. Aaron Hogue, Department of Biological Sciences

Dr. John LaManca, Department of Health and Sport Sciences

Dr. Michael J. Bardzell, Department of Mathematics and Computer Science

Dr. Lance Garmon, Department of Psychology

Dr. Eric Rittinger, Department of Political Science

Dr. Patti Erikson, Department of Biological Sciences

Thomas Anderson, Department of Theatre and Dance

Dr. Jessica Clark, Department of Biological Sciences

Laura Marinaro, Department of Health and Sport Sciences

▪ Round Table Discussion Session 1:30 p.m. - 2:45 p.m.**Rd1 Round Table 1**

Henson Hall 123

Moderator: Dr. Jon-Philip Imbrenda, Education Specialties

1:30 – 2:45 The Wife of Bath as Anti-Feminist

Miranda Wylie

*Faculty Mentor – Christopher Vilmar, English

▪ **First Oral Session** **1:30 p.m. - 2:45 p.m.**

1A Biological Analysis Henson Hall 103

Moderator: Dr. Jenny Toonstra, Department of Health & Sport Sciences

1:30-1:45	Isolation, Identification, and Characterization of Local Wild Yeasts for Use in Fermentation	
	Lauren DeLong	*Faculty Mentor - Les Erickson, Biological Sciences
1:50-2:05	Influence of AKT/mTOR Signaling during Concurrent Training on Sport Performance	
	Ben Meister	*Faculty Mentor - Scott Mazzetti, Health & Sports Sciences
2:10-2:25	Toward Bacterial Expression of KHDC1: a Human Protein Potentially linked to Diabetes	
	Kyle Billings	*Faculty Mentor - Alison Dewald, Chemistry
2:30-2:45	Synthesis of a Tetra-Aza Ligand for the Separation of Lanthanides from Actinides	
	Rachel Stadler, S. Labb	*Faculty Mentor - Seth Friese, Chemistry

1B Language Henson Hall 109

Journal, Department of English

	Brandon Nardone	*Faculty Mentor - Elizabeth Ragan, History
1:50-2:05	Righting Historical Truths: A Linguistic Account of Memory and Record in Rural Rosenwald Schools	
	Karen Prengamen	*Faculty Mentor - Anjali Pandey, English
2:10-2:25	Caribbean Englishes: An Argument for Linguistic Legitimacy	
	Shauna-Kaye Jones	*Faculty Mentor - Derya Kulavuz-Onal, English
2:30-2:45	Why not only TOEFL? An Analysis of Test Bias in TOEFL from Chinese Perspective	
	Lai Xu	*Faculty Mentor - Derya Kulavuz-Onal, English

1C Numbers**Henson Hall 107***Moderator: Dr. Steve Hetzler, Department of Mathematics and Computer Science*

1:30-1:45 A MetaAnalytic Examination of Psychological Intervention Effect Sizes
Chelsey Clement, J. Lilly, R. Robinson, N. McAleer, S. Maio, A. Carmack
*Faculty Mentor - Barbara Wainwright, Math & Computer Science

1:50-2:05 A Sharp Upper Bound on the k-Color Connection Number of a Graph
Adam Jump *Faculty Mentor - Alexander Halperin, Math & Computer Science

2:10-2:25 Wehmeuller n-Tuples: An Extension of Pythagorean Triples
Richard Quackenbush *Faculty Mentor - Lee May, Math & Computer Science

2:30-2:45 Using Technical Analysis and Monte Carlo Methods to Predict Price Movement of the S&P 500 Index
Sarah Hayden, G. Malcom *Faculty Mentor - Lori Carmack, Math & Computer Science

1D Current Issues**Henson Hall 243***Moderator: Dr. Mark Walter, Department of Psychology*

1:30-1:45 Salisbury University Campus Climate Survey of LGBTQIA Students
Molly Dyer, CJ Welch *Faculty Mentor - Michele Schlehofer, Psychology

1:50-2:05 The Unpredictable Forces of Male Sexual Desires in John Donne's 'The Flea' and John Wilmot's 'The Imperfect Enjoyment'
Ojel Nduanya *Faculty Mentor - Christopher Vilmar, English

2:10-2:25 Art for Social Change
Martina Maya-Callen *Faculty Mentor - William Wolff, Art

2:30-2:45 Point Spread Markets as Unbiased Predictors of NFL Game Results
Brian Gillespie *Faculty Mentor - Brian Hill, Economics & Finance

1E Poems, Plays & TV Henson Hall 111

Moderator: Dr. John Wenke, Department of English

1:30-1:45	Significance of Cain and his Mark within Beowulf
	Eaqan Chaudhry *Faculty Mentor - Christopher Vilmar, English
1:50-2:05	Crossing Timelines with Walt Whitman
	Elizabeth Portner *Faculty Mentor - John Wenke, English
2:10-2:25	Body Image and the Netflix Original Series Voltron: Legendary Defender
	Madeline Haines *Faculty Mentor - Michael Moeder, Communication Arts

1F Historical Considerations Henson Hall 113

Moderator: Dr. Louise Detwiler, Dept. of Modern languages and Intercultural Studies

1:30-1:45	Illegitimacy in Early Modern England and Scotland	
	Rebecca Miller	* Faculty Mentor - Kristen Walton, History
1:50-2:05	A New Cohesion: Nigerian Regional Power on the African Continent	
	Darby Joyce	*Faculty Mentor - Joseph Venosa, History
2:10-2:25	The middle class climbing the social ladder in the 18th century	
	Erica Hall	* Faculty Mentor - Kristen Walton, History
2:30-2:45	Cowpens: The Turning Point of the Revolutionary War	
	Josh Bussom	* Faculty Mentor - Kristen Walton, History

▪ *Second Oral Session* *3:00 p.m. - 4:15 p.m.***2A Health & Metabolism Henson Hall 103***Moderator: Dr. Eugene Williams, Department of Biological Sciences*

3:00-3:15 Federally Funding Planned Parenthood: Providing Americans With Necessary Health Care

Devon Bristow * Faculty Mentor - Lauren Hill, Honors

3:20-3:35 The Simply Difficult Thinking of a Developing Child

Aubrie Kerner, A. Wible, A. Greer, J. Gomez

 * Faculty Mentor - Rhyannon Bemis, Psychology

3:40-3:55 What's killing the buzz? The effects of neonicotinoids on *Apis mellifera* mitochondrial metabolism

Jessica Novak, MJ Dickey, IS Ralph

 * Faculty Mentor - Stephen Gehnrich, Biological Science

4:00-4:15 Acute effects of hyperglycemia in a chemical-genetic cell ablation model

Julia Howell * Faculty Mentor - Jessica Clark, Biological Sciences

2B Justice Henson Hall 111*Moderator: Dr. Yuki Okubo, Department of Psychology*

3:00-3:15 Necessary Provisions to Heroin Legislation in Maryland to Combat the Statewide Epidemic

Anna Susie * Faculty Mentor - Lauren Hill, Honors

3:20-3:35 Judicial Activism vs. Restraint In The Era of the Neil Gorsuch Nomination

Alexander Valdes * Faculty Mentor - E. Patrick McDermott, Management & Marketing

3:40-3:55 Americas Bill of Rights: Individuality or Imitation?

Marie Harmon * Faculty Mentor - Kristen Walton, History

2C Money**Henson Hall 113***Moderator: Dr. Lori Carmack, Department of Math & Computer Science*

3:00-3:15 Maryland's Bottom Line: The Process of Preparing the Annual State Budget
Savana McClure * Faculty Mentor - Charles Boster, Accounting and Legal Studies

3:20-3:35 Does the Earned Income Tax Credit improve Educational Outcomes? An analysis of Montgomery County's Local Earned Income Tax Credit (EITC)
Mark Cimiluca * Faculty Mentor - Brian Hill, Economics & Finance

3:40-3:55 The National Debt
Kolin Gunn * Faculty Mentor - John Murphy, Economics & Finance

4:00-4:15 Binary Bucks: A Statistical Investigation of the Randomness of the S&P 500 Index (A Binary Approach)
Kevin Sapp * Faculty Mentor - Lori Carmack, Math & Computer Science

2D Environment & Wildlife**Henson Hall 243***Moderator: Dr. Mara Chen, Department of Geography & Geosciences*

3:00-3:15 Assessment of Olasiti Village's Awareness on Burunge Wildlife Management Area (WMA)
Meleine Yao * Faculty Mentor - Michael Lewis, Environmental Studies

3:20-3:35 Bat Collisions at Wind Turbines: How Advocacy Groups Apply the Science
Nicole Naleszkiewicz * Faculty Mentor - Michael Lewis, Environmental Studies

3:40-3:55 Estimating the habitat and population parameters of spotted turtles (*Clemmys guttata*) on the Delmarva Peninsula
Stephanie Lamb * Faculty Mentor - Eric Liebgold, Biological Sciences

4:00-4:15 Coastline analysis and computer modeling utilizing graphic extraction of Landsat images and GIS techniques
Caitlin Curry * Faculty Mentor - Mara Chen, Geography & Geosciences

2E Being Mindful**Henson Hall 109**

Moderator: Dr. Rhyannon Bemis, Department of Psychology

3:00-3:15 Crossing the Lines: The Representation of Immigration in Sin Nombre
Rishon Seaborn * Faculty Mentor - Eric Rittinger, Political Science

3:20-3:35 The Effect of Stereotype Perceptions on Memory Retrieval
Victoria Morris * Faculty Mentor - Echo Leaver, Psychology

3:40 3:55 Influences and Outcomes of Early American Intellectualism
Darian Mullikin * Faculty Mentor - Kristen Walton, History

4:00-4:15 Ethics in Journalism in the Middle East
Shannon Wiley * Faculty Mentor - Brian Polkinghorn, CADR

2F Peace & Equality**Henson Hall 211**

Moderator: Dr. Dane Foust, Vice President of Student Affairs

3:00-3:15 The American Slave Trade: Caused by English Law
Alexis Kurtz * Faculty Mentor - Kristen Walton, History

3:20-3:35 Fight for Peace and Equality: Jackie Robinson and Martin Luther King, Jr.
Ashley Miller * Faculty Mentor - Lauren Hill, Honors

3:40 3:55 Russia and the West: A Roadmap for Peace
John Thompson * Faculty Mentor - Eric Rittinger, Political Science

4:00-4:15 Systematic Oppression Through a Youth Minority Lens
Kevin Powell Jr. *Faculty Mentor - Sarah Surak, Political Science

2G Arduino I**Henson Hall 107**

Moderator: Dr. Jason McCartney, Department of Psychology

3:00-3:15 Automated Medication Dispenser

Luciano Giorgilli, RJ Gouin *Faculty Mentor - Gene Hahn, Information & Decision Sciences

3:20-3:35 Fog-Farmer

Colin Moshedi *Faculty Mentor - Gene Hahn, Information & Decision Sciences

3:40 3:55 Possibilities with Arduino

Adam Crouse, D. Scharfe *Faculty Mentor - Gene Hahn, Information & Decision Sciences

■ ***Third Oral Session*** ***4:30 p.m. - 5:45 p.m.***

3A Genetics**Henson Hall 211**

Moderator: Dr. Aaron Hogue, Department of Biological Sciences

4:30-4:45 Identification of Genes Promoting Resistance to Enzalutamide

Robert Phillips *Faculty Mentor - Philip Anderson, Biological Sciences

4:50-5:05 Determining the Specificity and Sensitivity of the Human, Gull, Ruminant, and Poultry Genetic Markers Used to Track Fecal Contamination in Environmental Water

Jessica Tague, A. Balaggan *Faculty Mentor - Mark Frana, Biological Sciences

5:10-5:25 A Knockout Mutation in the Yeast DUF1 Gene Increases Oxidative Stress Survival

Samantha Allen *Faculty Mentor - Les Erickson, Biological Sciences

3B Society**Henson Hall 103***Moderator: Dr. Eric Rittinger, Department of Political Science*

4:30-4:45 Exploring Utopia: Imagining the Possible
Alyssa Massey *Faculty Mentor - Sarah Surak, Political Science

4:50-5:05 Environmental Injustice in Maryland: Superfund Sites and Their Surrounding Communities
Crysta Draayer *Faculty Mentor - Sarah Surak, Political Science

5:10-5:25 Plastic Baggage: policies to quell the single-use bag epidemic
Terri Gladus *Faculty Mentor - Sarah Surak, Political Science

5:30-5:45 The Redevelopment of Real Estate Assets in Downtown Salisbury
Ryan Daniher *Faculty Mentor - Leonard Arvi, Economics & Finance

3C Politics or Acting?**Henson Hall 243***Moderator: Dr. John LaManca, Department of Health & Sport Sciences*

4:30-4:45 Conspiracies and the 2016 Presidential Election: An Analysis of Tweets through the Lens of Agenda-Setting Theory
Darby Dicks *Faculty Mentor - Vinita Agarwal, Communication Arts

4:50-5:05 The Rhetoric of the Presidential Election of 2016: The Bad, the Bad, and the Ugly.
Kathryn Jedlicka *Faculty Mentor - Elizabeth Curtin, English

5:10-5:25 A Deeper Look: The Benefits of Film Analysis
Carl Eicher *Faculty Mentor - Elsie Walker, English

5:30-5:45 Writing for Film: Tips from an Aspiring Screenwriter
Kaley Booth *Faculty Mentor - Elsie Walker, English

3D Auto-Body**Henson Hall 109**

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

4:30-4:45 Autonomous Cars: The Teenage Drivers of the 21st Century
Cameron Kane *Faculty Mentor - Lauren Hill, Honors

4:50-5:05 Deep Learning for Self-Driving Cars
Nghia Tran, T. Ngo *Faculty Mentor - Enyue Lu, Math & Computer Science

5:10-5:25 Xenotransplantation: The Life-Saving Alternative to Allotransplantation
Stephanie Miller *Faculty Mentor - Lauren Hill, Honors

5:30-5:45 Donors Exploited for Profit: The Unethical aspects involved in Body Donation
Morgan Crockett *Faculty Mentor - Elizabeth Ragan, History

3E Religion**Henson Hall 111**

Moderator: Dr. Lance Garmon, Department of Psychology

4:30-4:45 Liberation Theology: Religious Social Justice in 20th Century Latin America
Marie Hils *Faculty Mentor - Corinne Pubill, Modern Languages

4:50-5:05 How Pagan is Christianity?: The Conversion Process of Early Medieval Europe
Michaela O'Donnell *Faculty Mentor - Elizabeth Ragan, History

5:10-5:25 Fantomina: The Liberated "Fallen Woman" in a Hypocritical Society
Madeline McLeod *Faculty Mentor - Christopher Vilmar, English

5:30-5:45 Beowulf, the Pagan Hero of a Christian England
Samantha Goetz *Faculty Mentor - Christopher Vilmar, English

Poster Room Set-up Volunteers

Vicky Adeniran, University Dining Services

James Parrigin, Salisbury University Libraries

Dr. Rachel Buchanan, Department of Social Work

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. The Affordable Care Act and Medicaid Beneficiaries" Access to Primary Healthcare

Mariah Hackett

* Faculty Mentor - William Campbell, Nursing

2. Becoming a Veterinarian: What Students Really Need to Know

Megan Short

*Faculty Mentor - Kimberly Hunter, Biological Sciences

3. An Analysis of Country Music Trends Utilizing Mathematical Matrix Theory

Kristopher Price

*Faculty Mentor - Kurt Ludwick, Math & Computer Science

4. Utilizations of Queuing Theory and Digraphs for more Efficient Merging in Tollways

Amy Vennos, A. Jump, R. Quackenbush

* Faculty Mentor - Robert Tardiff, Math & Computer Science

5. The Effects on Obesity of Pre- and Postnatal Nutrition

Caroline Leahy

* Faculty Mentor - Scott Mazzetti, Health & Sport Sci.

6. Implementing Nursing Evidence into Practice: Hope and Advance Care Planning in a Rural Care Facility

Tejal Bhatt, PM Miller

* Faculty Mentor - Katherine Hinderer, Nursing

7. Students' Use, Knowledge and Perception of Melatonin

Christina Tucker

* Faculty Mentor - Cecilia Acocella, Psychology

8. File Survival on USB Drive

Jessica Truong

* Faculty Mentor - Donald Spickler, Math & Computer Science

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

9. Merge Patterns: Modeling Traffic After Tollbooths

Morgan Iachini, AA Talbert, JE Banachoski

* Faculty Mentor - Robert Tardiff , Math & Computer Science

10. A Potential Link Between a Connexin41.8 Mutation and Peripheral Neuropathy

Amanda Rocker

* Faculty Mentor - Jessica Clark, Biological Sciences

11. Salisbury University Event App

Alison Haley, J. Johnston

* Faculty Mentor - Chrys Egan, Communication Arts

12. The Effect on Employment that Criminal Background Checks Have on Previously Incarcerated Individuals

Eleanor Brown

* Faculty Mentor - Jennifer Jewell, Social Work

13. Salisbury Farm-to-Table Initiative

Kathleen Nizich, V. Messinger, H. Davis

* Faculty Mentor - Chrys Egan, Communication Arts

14. Guerrieri Academic Commons App

Amy Mellinger, L. Ferraioli

* Faculty Mentor - Chrys Egan, Communication Arts

15. Central: an Under-21 Nightclub for Downtown Salisbury, MD

Jada Taylor, A. Wigglesworth

* Faculty Mentor - Chrys Egan, Communication Arts

16. Thermal Imagery as a Tool for Studying Bat Drinking Behavior

Erin Allar, O. Hamilton

* Faculty Mentor - Aaron Hogue, Biological Sciences

17. Modeling Pi-Cation Interactions in SAM Dependent Tuberculosis Enzymes

James Port, KR Billings

* Faculty Mentor - Anita Brown, Chemistry

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

18. Analysis of Trichloroethylene in Water

Elizabeth Withers, M. Koehler * Faculty Mentor - Anita Brown, Chemistry

19. Building a Purge and Trap Concentrator to Detect TCE in Groundwater

Jason Sirk * Faculty Mentor - Anita Brown, Chemistry

20. Corporate Social Responsibility: A Case Study on Strategies, Motivations, and Local Approaches

Megan Spence * Faculty Mentor - Danny Ervin, Economics & Finance

21. Turning Wasted Heat from an Engine into Useable Electrical Energy to Increase Efficiency in Cars

Michael Joram, EC Lowe, * Faculty Mentor - Matthew Bailey, Physics

22. The Impact of Hospital Design on Patient Outcomes

Megan Caudill * Faculty Mentor - Mary DiBartolo, Nursing

23. Utilizing Qualitative Coding Techniques to Assess Civic Engagement on a College Campus

Michael Webber * Faculty Mentor - Alexander Pope IV, Teacher Education

24. Water Quality Perceptions and Fertilizer Application Practices of Property Owners Along The Wicomico River, Maryland

Michael Omps * Faculty Mentor - Mara Chen, Geography & Geosciences

25. Impact of artificial feeders on hummingbird visitations to wildflowers

Rachel Pierson * Faculty Mentor - Michael Lewis, Environmental Studies

26. Abortion in Latin America

Karolyne Calixto * Faculty Mentor - Carolina Bown, Modern Languages

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

27. Estimating Population Parameters of Painted Turtles(*Chrysemys picta*) on the Delmarva Peninsula

Samantha Utt, DR Ortmann, NC Schiffler

* Faculty Mentor - Tami Ransom, Environmental , Studies

28. Estimating Population Parameters of Eastern Mud Turtles (*Kinosternon subruburm*) on the Delmarva Peninsula

Matthew Houlihan, KM Morsey * Faculty Mentor - Eric Liebgold, Biological Sciences

29. Human Catalysts: Behavior Causing the Spread of Computer Viruses

Kayla Cannon * Faculty Mentor - Randall Cone, Math & Computer Science

30. Finger Lock

Matthew Roache * Faculty Mentor - Gene Hahn, Information & Decision Sciences

31. Autonomous Vehicles: The Road to a Better Future

Daniel Moats * Faculty Mentor - Matthew Bailey, Physics

32. Policing for Profit and Legal Theft: An Analysis and Discussion of Civil Asset Forfeiture and Its Reforms

Clayton Levy * Faculty Mentor - Lauren Hill, Honors

33. Student Athlete Knowledge and Perception of Marijuana

Daniel Brennan * Faculty Mentor - Cecilia Acocella, Psychology

34. Stress Reduction from a Musical Intervention

Lauren St.Pierre, R. Warfield * Faculty Mentor - Echo Leaver, Psychology

35. Geographical Factors Influencing Movements and Population Size of Spotted Turtles (*Clemmys guttata*) a Species of Conservation Concern, on the Delmarva Peninsula

Logan Poore * Faculty Mentor - Tami Ransom, Environmental Studies

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

36. Predicting Esteem Based on Rape Experience, Acknowledgment and Time Period

Carolyne P. Merwin, SL Osman

* Faculty Mentor - Suzanne Osman, Psychology

37. Soil Chemistry Variation in the Salisbury University Arboretum Linked to Habitat Type

Erica Parkhurst

* Faculty Mentor - Samuel Geleta, Biological Sciences

38. Teaching Racial Changes in America: 10th Grade Government

Debra Reynolds

* Faculty Mentor - Alexander Pope IV, Teacher Education

39. Geography of the Revolutions

Mark Mossa

* Faculty Mentor - Alexander Pope IV, Teacher Education

40. The Scramble for Africa During the Age of Imperialism

Nicholas Sturm

* Faculty Mentor - Alexander Pope IV, Teacher Education

41. Measurement of the microbial influence on soil carbon sequestration in four different landscapes on the Salisbury University campus

Justin Maniatty

* Faculty Mentor - Elizabeth Emmert, Biological Sciences

42. Analysis of Soil Bacterial and Fungal Biomass and Determination of Soil Microbial Activity in Four Different Landscapes on the Salisbury University Campus

Hayley Schindler

* Faculty Mentor - Elizabeth Emmert, Biological Sciences

43. Neural Specializations for Audition in the Spectacular Tui

Patrick Miller

* Faculty Mentor - Jeremy Corfield, Biological Sciences

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

44. Docosahexaenoic Acid (DHA) Inhibits Metastasis in B16 Cell Lines by Altering Membrane Molecular Order and Cell Adhesion Potentials

Sunny Choudhary, J. Shilling, L Engleman, D Pidhorodetska

* Faculty Mentor - Eugene Williams, Biological Sciences

45. High-Throughput, Fluorescent Analysis of Reactive Oxygen Species in C. Elegans after Knockdown of MRCK-1

Callista Brown, R. Heying

* Faculty Mentor - Patti Erickson, Biological Sciences

46. LGBTQ Acceptance

Ada Canelas

* Faculty Mentor - Carolina Bown, Modern Languages

47. Characterization of an Oxidoreductase Enzyme, 3GBH

Brittany Marshall

* Faculty Mentor - Alison Dewald, Chemistry

48. Sequence Analysis of napA Gene Diversity in Three Denitrifying Communities from a Local Watershed

Courtney Petersen

* Faculty Mentor - Katherine Miller, Chemistry

49. The Evolution of Library Collections and Services in the Digital Age with Future Projections

Nicole Demme

* Faculty Mentor - James Parrigin, Library

50. Bdellovibrio bacteriovorus as a Biocontrol Agent against Blackleg Disease in Potatoes

Rebecca Paulis

* Faculty Mentor - Elizabeth Emmert, Biological Sciences

51. A Meta-Analysis of Listening Skills

Ashlin Sahlin, M. Fulton

* Faculty Mentor - Thomas Tomcho, Psychology

52. Abundance and Diversity of Denitrifying Bacteria in a Newly-Created Wetland

Francesca DiPino

* Faculty Mentor - Elizabeth Emmert, Biological Sciences

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

53. Designing Software to Statistically Analyze Candlestick Chart Patterns

Carolina Alfaro, JR Tress, CE Huseman, DS Pessu

* Faculty Mentor - Lori Carmack, Math & Computer Science

54. Is an Enlargement of the Nidopallium Caudolaterale (NCL) Associated with Increased Cognitive Capacities in Birds?

Alexandra Barth

* Faculty Mentor - Jeremy Corfield, Biological Sciences

55. Children's Ability to Define Learning and Recall Learning Events

Amy Wible, A. Kerner, J. Gomez, A. Greer

* Faculty Mentor - Rhyannon Bemis, Psychology

56. Identification of Alleged Chondritic Meteorites

James Arnuk

* Faculty Mentor - Thomas Cawthern, Geography & Geosciences

57. Desire for Control, Rumination, Alcohol Use and Coping in an Undergraduate Sample

Brendan Gallagher

* Faculty Mentor - Heidi Fritz, Psychology

58. Analyzing Error Between Forecasted and Actual Tracks of Hurricanes 2013-2016

Kyle Lane

* Faculty Mentor - Arthur Lembo, Geography & Geosciences

59. Regression and Kriging analysis to determine the relationship between chlorophyll levels, depth, temperature, wind direction and speed of Lake Victoria Africa from 2002-2015

Noah Krach

* Faculty Mentor - Arthur Lembo, Geography & Geosciences

60. A Multi-Criteria GIS Analysis on the Correlation between Road Accidents, the Time of Day, and the Various Road Conditions within the City of Salisbury

Meghan Murphy

* Faculty Mentor - Arthur Lembo, Geography & Geosciences

61. A Path Toward Multiplicative Reasoning With Understanding

Julia Pendola, C. Cody

* Faculty Mentor - Randall Groth, Education Specialties

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

62. Isolation and Identification of yeast and bacterial species from an open fermentation vessel

Allison Brown

* Faculty Mentor - Les Erickson, Biological Sciences

63. Carbon Sequestration by the Salisbury Arboretum

Maggie Lundy

* Faculty Mentor - Christopher Briand, Biological Sciences

64. A Linguistic Analysis of 400 University Mission Statements and Learning Goals.

Dana Rand, A. Hammersla

* Faculty Mentor - Thomas Tomcho, Psychology

65. Nature Connectedness: A Synthesis of Relations to Ecological Attitudes

Madison Warfield

* Faculty Mentor - Thomas Tomcho, Psychology

66. Methodological rigor in psychological teaching research

Alexis Shank, S. Maio

* Faculty Mentor - Thomas Tomcho, Psychology

67. Teaching United States Urban and Suburban Development: 10th Grade American Government

Margaret Deering

* Faculty Mentor - Alexander Pope IV, Teacher Education

68. Links of Unmitigated Communion with Psychological Adjustment and Diet-related Cognitions and Behaviors

Jessica Lilly

* Faculty Mentor - Heidi Fritz, Psychology

69. A GIS Multi-Criteria Model to Determine the Optimal Location for a New Ski Resort in the Adirondack Mountains

Zachery Radziewicz

* Faculty Mentor - Arthur Lembo, Geography & Geosciences

70. English Language Learning through Healthcare

Tess Johnson

* Faculty Mentor - Dorothea Winter, Nursing

71. The Effect Of Lyrics On Recall Of Unattended

Hailey Edsall

* Faculty Mentor - Larence Becker, Psychology

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

72. Politics Through Twitter: A Content Analysis of the Cognitive Aspects and Emotional Tones of Presidential Tweets

Allysa Miller, S. Gonc * Faculty Mentor - Mark Walter, Psychology

73. Network Analysis and Optimal Route Finding to Determine the Accessibility of Properties in Ocean City, MD Under Various Flood Depth Scenarios

Jeremy Gencavage * Faculty Mentor - Arthur Lembo, Geography & Geosciences

74. Using Autonomous Drones to Find High Light Areas on Campus

Daniel Bower, A. Marengo * Faculty Mentor - Joseph Howard, Physics

75. Prevalence Rates of Student Engagement in High Impact Educational Practices in a National Sample

Emily Cox, C. Griffiths, RA Lingenfelter

* Faculty Mentor - Thomas Tomcho, Psychology

76. Hidden Graves: Uncovering the Past

Conor Walsh * Faculty Mentor - Elizabeth Ragan, History

77. A GIS Multi Criteria Model to determine the optimal habitat location for the American Beaver in Oregon.

Sintel Paige * Faculty Mentor - Arthur Lembo, Geography & Geosciences

78. A GIS Based Multi-Criteria Model to Identify Locations in the Chesapeake Bay to Reduce Cownose Ray (Rhinoptera bonasus) Fatality Rates

Lucas Roy * Faculty Mentor - Arthur Lembo, Geography & Geosciences

79. Undergraduate Research Offices at Universities: Prevalence Rates, Common Content, and Best Practices

Cara Griffiths, RA Lingenfelter * Faculty Mentor - Thomas Tomcho, Psychology

80. Designing an Autonomous Photophilic Robot

Tristan Boyle * Faculty Mentor - Joseph Howard, Physics

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

81. Spatial Analysis of German-Based Luxury Automobile Manufacturers in Maryland

Matthew Bucklew

* Faculty Mentor - Arthur Lembo, Geography & Geosciences

82. Echinostome Trematodes in the Mud Snail (*Ilyanassa obsoleta*), the Ribbed Mussel (*Geukensia demissa*), and Gulls (*Larus spp.*) in a Delaware Salt Marsh

Marissa Moran, M Rodriguez

* Faculty Mentor - Ann Barse, Biological Sciences

83. Spatial Relationships Between Crime and Street Light Luminescence in Salisbury, MD

Grant Chalfin

* Faculty Mentor - Arthur Lembo, Geography & Geosciences

84. Utilizing Watersheds to Spatially Identify Patterns of Forest Fire Prone Areas in California

Nathan Mattola

* Faculty Mentor - Arthur Lembo, Geography & Geosciences

85. Multi-Year Analysis of Shark Attacks on the East Coast, 2000 - 2016

Hannah Sweet

* Faculty Mentor - Arthur Lembo, Geography & Geosciences

86. A GIS-Based Multi-Criteria Model to Identify Optimal Habitats for Grizzly Bears in the Greater Yellowstone Ecosystem

Alex Nowak

* Faculty Mentor - Arthur Lembo, Geography & Geosciences

87. The Nanticoke and Wicomico Rivers: The Efficacy of Best Management Practices

Nathan Hirtle

* Faculty Mentor - Judith Stribling, Biological Sciences

88. Using a GIS Based Model to Identify Ideal Locations for Renewable Energy Plants in the State of Hawaii

Brian Hiller

* Faculty Mentor - Arthur Lembo, Geography & Geosciences

89. Increasing the Power Output of a Bicycle Generator

Kenneth Hill, I. Wood

* Faculty Mentor - Joseph Howard, Physics

Poster Presentations (Title, Presenter, and *Faculty Mentor) (Cont.)**90. A Review of Listening Research****Katelyn Kirby, TR Bellesi, MR Fulton, EE King, AM Sahlin**

* Faculty Mentor - Thomas Tomcho, Psychology

91. Spatial Analysis of Hydraulic Fracturing Sites and Water Contamination in Colorado Watersheds, 2010-2014**Cody Garcia**

* Faculty Mentor - Arthur Lembo, Geography & Geosciences

92. The Effect of Graph Type on Students' Ability to Interpret Interactions**Erin Whitt, H. Morrill, J. Stallings, H. Manning**

* Faculty Mentor - Larence Becker, Psychology

93. A GIS Based Approach to Measure Phosphorus and Nitrogen Pollution in the Chesapeake Bay Due to Chicken Manure**Hans Meeder**

* Faculty Mentor - Arthur Lembo, Geography & Geosciences

94. Discovering the Scenario to Generate Tolerable Tonality with Designated Double Pendulum's Motion**Iv Yin**

* Faculty Mentor - Kathrine Manizade, Physics

95. Personality and Charitable Giving**Shannon Maio**

* Faculty Mentor - Nicholas Busko, Economics & Finance

96. Appalachian Trail Hiking Guide: Overlook Viewshed Maps and Out Resources**Joshua M. Young**

* Faculty Mentor - Arthur Lembo, Geography & Geosciences

97. An Antioxidant-Induced Gene Expression Signature Associated with Higher Risk of Prostate Cancer**Andrea Carmack**

* Faculty Mentor - Philip Anderson, Biological Sciences

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

98. Analysis of Post Storm Events on Piping Plover (Charadrius melanotos) Breeding Success at Assateague Island

Ruth C. Heying

* Faculty Mentor - Arthur Lembo, Geography & Geosciences

99. Liking for Symmetrical and Asymmetrical Mondrian Paintings

Brooke M. Benz, B. Ferguson, A. Polek

* Faculty Mentor - J. Craig Clarke, Psychology

100. A GIS Based Approach to Analyzing the Ongoing Effects of the 2014 Economic Recession in Brazil

Timothy Williams

* Faculty Mentor - Arthur Lembo, Geography & Geosciences

101. The Poster Poster

Kenneth Rhoads, J. Lilly, M. Adkins, G. Bisset, S. Hopkins, R. Lederman, R. Marchowsky, C. Markiewicz, M. Sowell, C. Welch

* Faculty Mentor - J. Craig Clarke, 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 2017 Outstanding Research Mentor Award Nominees are:

Dr. Chrys Egan – Communication Arts

Dr. Asif Shakur – Physics

Dr. Sarah Surak – Political Science

Dr. Michelle Schlehofer – Psychology

Dr. Les Erickson – Biological Sciences

Dr. Steven Durow – Art

Dr. Loren Marquez – English

Dr. Art Lembo – Geography and Geosciences

The 2017 Outstanding Research Mentor Award Nominees (Cont.):

Dr. Seth Friese – Chemistry

Dr. John Kalb – English

William Wolff – Art

Dr. Judith Franzak – Education Specialties

Dr. Jonathan Munemo – Economics and Finance

Dr. Joseph Venosa – History

Dr. Jon-Philip Imbrenda – Education Specialties

Dr. J. Craig Clarke – 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**Edwin Miranda:**

Energy Cost of Active and Sedentary Music Video Games: Drum and Handheld Gaming vs. Walking and Sitting. Miranda, E., B.S. Overstreet, W.A. Fountain, V. Gutierrez, M. Kolankowski, M.L. Overstreet, R.M. Sapp, C.A. Wolff, and S. Mazzetti. *International Journal of Exercise Science*. 2017 (In Final Review).

Taylor Fedorchak:

“Almost Regulars” The Quaker. 2016.

“Stave” & “Tenor” Pittsburgh Poetry Review. 2016.

“Graveyarding” Arkana. 2017.

“Elegy for our Fifth Grade Selves” OVS Magazine. 2017.

“Another Cake I Haven’t Tasted” Red Earth Review. 2017.

V. Outstanding Student Research (Cont.)

Student Publications (Cont.)

Miranda Haney:

“Winter, Buenos Aires” Kentucky Review. 2017.

“Hypnagogia” Slipstream. 2017.

Caylie Herrmann:

“Notes from Home” Driftwood. 2017.

“Mother Keeping House” Pittsburgh Poetry Review. 2017.

“Appendix,” “February Polaroid,” & “Re-Mothering” Third Wednesday. 2017.

K.S. (Kate) Keeney:

“Lilith, Proserpine, Venus” & “The Girl Who Howled” Germ Magazine. 2016.

“Lost Time” Roanoke Review. 2017.

“Nobody Body” The Tishman Review. 2017.

Molly Likovich:

“April Showers” Bluestem. 2016.

“Other Girls” Jenny Magazine. 2016.

“Think of a Mermaid Lagoon” New Mexico Review. 2016.

“Cause of Death” Red Paint Hill. 2016.

“The August Visitor” Rust & Moth. 2016.

“Roulette” & “Wooded Bodies” Columbia College Literary Review. 2017.

Megan Newcomer:

“Wicked” Steel Toe Review. 2016.

Outstanding Student Research (Cont.)
Student Publications (Cont.)

Dylan Nutter:

“Slick” Catfish Creek. 2017.

Jacob Rayner:

“Inosculation” & “Phototropism” New Mexico Review. 2016.

Noor Shahzad:

“Cantonment” & “Notes on the Jugular” Tinderbox Poetry Journal. 2017.

Jamie Shrewsbury:

“Sinepuxent” decomP. 2016.

“Transfusing” Natural Bridge. 2017.

“Welcome Home” Passages North. 2017.

Katelyn Steagall:

“Stereoscope” Polaris. 2017.

Nancy Talbott:

“Fissures” Hawai’i Review. 2017.

Renae Tucker:

“This Is Not a Tree” Steel Toe Review. 2016.

Riley Ward:

“A Thursday Afternoon in Gorenjsko” OVS Magazine. 2017.

“Drafting” Sierra Nevada Review. 2017.

Outstanding Student Research (Cont.)

Student Publications (Cont.)

Annie Warner:

“Mixed Drinks” New Mexico Review. 2016.

“I Pulled His Last Off My Sweater Today” Mochila Review. 2017.

Terin Weinberg:

“Canopic” Barely South Review. 2017.

“Processes” Red Earth Review. 2017.

Katherine Michalik:

“Nothing Left” Germ Magazine. 2017.

“Save Me a Smoke” Germ Magazine. 2017.

Doctoral Program Publication Submissions

Franzak, J., Porter, H., McFadden, J., Harned, C., & Taylor, C. (Fall 2016) “We’re Rural Not Dumb”: Constructing Literacy Capital in Rural Contexts.” *English Education*. Accepted for publication. In revision.

Porter, H., Harned, C., & Jack, G. (Spring 2017) “Reading in Disciplinary Contexts: Understanding Practices and Perspectives of Upper-Division African American Students.” (article has been written and is being revised for submission to *Journal of Adolescent & Adult Literacy*)

Porter, H. (Spring 2017) “Constructing an Understanding of Undergraduate Disciplinary Reading: An Analysis of Contemporary Scholarship.” *Journal of College Reading and Learning*. Accepted for publication. In revision.

Outstanding Student Research (Cont.)

Student Presentations

Kyle Rollyson, a bass student of Dr. Jeffrey Schoyen, performed with his band Breakfast at the River Valley Ranch in Manchester, MD on March 5, 2017.

Dr. Asif Shakur and Jakob Kraft presented "Measurement of Coriolis Acceleration with a Smartphone" *The Physics Teacher*, 54, 288, May 2016.

Pendola, Julia, & Cody, Caitlin presented a poster entitled "A path toward multiplicative reasoning with understanding" at the 2017 National Conference on Undergraduate Research, Memphis, TN.

Jones, Matthew presented on "Learning to use appropriate tools strategically for bivariate data analysis" at the 2017 National Conference on Undergraduate Research, Memphis, TN.

Hawthorne, Emily presented a poster entitled "An exploration of students' base-ten concepts" at the 2017 National Conference on Undergraduate Research, Memphis, TN.

Bright, David, & Davis, Kayla presented a poster entitled "Developing 5th Graders' understanding of fraction multiplication" at the 2017 National Conference on Undergraduate Research, Memphis, TN.

Gallo, Silviya presented a poster entitled "Fourth grade students' learning of operations and algebraic thinking" at Council on Undergraduate Research: Research Experiences for Undergraduates Symposium, Arlington, VA.

Pendola, Julia presented a poster entitled "A path toward multiplicative reasoning with understanding" at the Annual Conference of the National Association of Professional Development Schools, Washington, D.C.

Groth, Randall, Butler, Jaime, & Nelson, Delmar (2016) presented "Overcoming challenges in learning probability vocabulary" *Teaching Statistics*, 38(3), 102-107.

Callista Brown and Ruth Heying presented "High-Throughput, Fluorescent Analysis of Reactive Oxygen Species in *C. elegans* after Knockdown of *mrck-1*" at the Undergraduate Research Symposium in the Chemical and Biological Sciences, Baltimore, MD, October, 2016..

Callista Brown and Ruth Heying presented "High-Throughput, Fluorescent Analysis of Reactive Oxygen Species in *C. elegans* after Knockdown of *mrck-1*" at the Experimental Biology Conference, Chicago, IL, April 2017.

Callista Brown and Ruth Heying presented "High-Throughput, Fluorescent Analysis of Reactive Oxygen Species in *C. elegans* after Knockdown of *mrck-1*" at the National Conference for Undergraduate Research conference, Chicago, IL, April 2017.

Outstanding Student Research (Cont.)

Student Presentations (Cont.)

Madison Hill presented “Barbie’s Day Job: A Radical Critique of a Woman’s Role in the Workplace” at the Radical Philosophical Association conference, Lexington, KY, November 2016.

Hunter Jennings presented “Informal Oppression: Uber-Exploitation and Economic Oppression in the Informal Economy” at the Radical Philosophical Association conference, Lexington, KY, November 2016.

Alyssa Massey presented “Exploring Utopia: Imagining the Possible” at the Radical Philosophical Association conference, Lexington, KY, November 2016.

Laura Baasland presented “Non-Profits: What is the Bottom Line?” at the Radical Philosophical Association conference, Lexington, KY, November 2016.

Laura Baasland presented “The Problematic Structure of the Nonprofit System” at the National Undergraduate Research Conference, Memphis, TN, March 2017.

Brendan Gallagher presented “Desire for Control, Rumination, Alcohol Use, and Coping in an Undergraduate Sample” at the Eastern Psychological Association annual meeting in Boston, MA, March 2017.

Adam Jump presented “A Sharp Upper Bound on the k-Color Connection Number of a Graph” at the Joint Mathematics Meetings, Atlanta, GA, January, 2017.

Kelly Wilson, presented a poster entitled “Microbial Survival on Metallic Fomites” at the American Society of Clinical Laboratory Science national meeting in Philadelphia, PA August 2017.

Laurel Heflin presented "Teaching learning Community: Women's Circles" at the Teaching Learning Conference in Salisbury, MD, February 2017.

Mike Webber presented "Public Affairs and Civic Engagement" at the Teaching Learning Conference in Salisbury, MD, February 2017.

Hannah Ennerfelt, Brenna Hearn, Rebecca Warfield, & Lauren St. Pierre presented “Skin Conductance Measures of Stress Reduction in Response to Music Intervention” at the Eastern Psychological Association annual meeting, Boston, MA, March, 2017.

Colleen Reeping presented “Teaching English to Reinforce a Graduate Student’s Education” at Maryland TESOL Annual Spring Graduate Student Conference, Baltimore, MD, February 2017.

Outstanding Student Research (Cont.)

Student Presentations (Cont.)

Karen Prengaman presented on “Discovering ELLs’ Mathematically Limitless Language Learning Potential” at the Annual International TESOL Convention’s Master’s Student Forum, Seattle, WA, March 2017.

Shauna-Kaye Jones will present on "Caribbean Englishes and the Kachruvian Model" at the International Association of World Englishes Conference at Syracuse University, Syracuse, NY, June/July, 2017.

Lauren Delong presented "Isolation, Identification, and Characterization of Wild Yeasts for Fermentation " at the Experimental Biology Conference in Chicago, IL, April, 2017.

Lauren Delong presented "Isolation, Identification, and Characterization of Wild Yeasts for Fermentation " at the NCUR conference in Memphis, TN, April, 2017.

Lauren Delong and Brenna Noone presented "Isolation and Identification of Wild Yeasts for Fermentation " at the University of Maryland, Baltimore County Chemistry/Biology research conference in Baltimore, MD, Oct, 2016.

Samantha Allen presented "A Knockout Mutation in the Yeast DUF1 Gene Increases Oxidative Stress Survival" at the NCUR conference in Memphis, TN, April, 2017.

Molly Dyer and Celeste Welch presented “LGBTQIA Student Experiences at College: A Campus Climate Study” at the Eastern Psychological Association Annual Meeting, Boston, MA, March 2017

Samantha Maillie presented a poster entitled “PET Scans Versus CT Scant and the Effect on Patient Survival” at Multidisciplinary Thoracic Cancers Symposium in San Francisco in March 2017.

Brendan Gallagher presented “Mortality Salience and Perceptions of Intimacy with Deceased Friends and Classmates” at the National Conference for Undergraduate Research, Memphis, TN, April, 2017

Carolyne Paige Merwin presented “Predicting esteem based on rape experience, acknowledgment and time passage” at the Eastern Psychological Association annual meeting, Boston, MA, March 2017. She also co-authored “Body shame and sexual satisfaction: A test of mediating factors based on objectification theory,” presented at the annual meeting of the American Psychosomatic Society, Seville, Spain, March, 2017.

Natalie Guion, Julia Pendola and Madison Olewine presented on Social Emotional Wellness at the National Association for Professional Development Schools (NAPDS) conference in Washington, DC in March 2017

Outstanding Student Research (Cont.)

Student Presentations (Cont.)

Taylor Simpson and Anne Kinsey presented on Supersaturation in Support of Response to Intervention at the National Association for Professional Development Schools (NAPDS) conference in Washington, DC in March 2017

Natalie Guion and Anne Kinsey presented a poster session on Social Emotional Wellness at the National Association for Professional Development Schools (NAPDS) conference in Washington, DC in March 2017

Natalie Guion, Madison Olewine and Shelby Ennis presented a poster session on Snow Hill Elementary School's Back-to-School Bash at the National Association for Professional Development Schools (NAPDS) conference in Washington, DC in March 2017

Julia Pendola presented a poster session on the NSF Mathematics Pathways summer program at the National Association for Professional Development Schools (NAPDS) conference in Washington, DC in March 2017

Taylor Simpson and Julie Bunten presented a poster session on analyzing how 4th graders learn multiplication facts at the National Association for Professional Development Schools (NAPDS) conference in Washington, DC in March 2017

Zack Valenti presented Comparison of Metabolic Rate Between Concentric and Eccentric Muscle Actions at the Mid-Atlantic Regional Conference of the American College of Sports Medicine, Harrisburg, PA. November, 2016.

Will Fountain presented Neuromuscular and Metabolic Activity during Concentric and Eccentric Squat Exercise at the Mid-Atlantic Regional Conference of the American College of Sports Medicine, Harrisburg, PA. November, 2016.

Shelby Carl presented "Perspectives on Prison Policies and Practices: Visions of Change" at the Association of Baccalaureate Social Work Program Directors (BPD) annual Conference, New Orleans, LA, March, 2017.

Terin Weinberg presented "The Absorbed World" poetry cycle at NCUR 31 (2017) in Memphis in April. 2017.

Outstanding Student Research (Cont.)

Student Presentations (Cont.)

NCUR 2017

Darby Joyce presented “A New Cohesion: Nigerian Regional Power on the African Continent” at the National Conference of Undergraduate Research, Memphis, Tennessee, April, 2017.

Matthew Jones presented “Learning to Use Appropriate Tools Strategically for Bivariate Data Analysis” at the National Conference of Undergraduate Research, Memphis, Tennessee, April, 2017. Co-author Mary Knaub.

Julia Howell presented “Acute effects of hyperglycemia on zebrafish peripheral nerves in a genetic-chemical ablation model” at the National Conference of Undergraduate Research, Memphis, Tennessee, April, 2017.

Julia Pendola and Caitlin Cody presented “A Path Toward Multiplicative Reasoning with Understanding” at the National Conference of Undergraduate Research, Memphis, Tennessee, April, 2017.

Rachel Stadler presented “A Synthesis of a Tetra-aza Ligand for the Separation of Lanthanides and Actinides” at the National Conference of Undergraduate Research, Memphis, Tennessee, April, 2017.

Alyssa Massey presented “Exploring Utopia: imagining the possible” at the National Conference of Undergraduate Research, Memphis, Tennessee, April, 2017.

Shannon Barry presented “From ‘thieves literature’ and Dicken’s Oliver Twist to Working Class ‘Penny Readings’” at the National Conference of Undergraduate Research, Memphis, Tennessee, April, 2017.

Terin Weinburg presented “The Absorbed World” at the National Conference of Undergraduate Research, Memphis, Tennessee, April, 2017.

Patricia Miller and Tejal Bhatt presented “Implementing Nursing Evidence into Practice: Hope and Advance Care Planning in a Rural Care Facility” at the National Conference of Undergraduate Research, Memphis, Tennessee, April, 2017.

Kendall Krach presented “Juvenile Delinquency: Is There an Avoidable Pattern?” at the National Conference of Undergraduate Research, Memphis, Tennessee, April, 2017.

Lauren DeLong presented “Isolation, Identification, and Characterization of Local Wild Yeasts for Use In Fermentation” at the National Conference of Undergraduate Research, Memphis, Tennessee, April, 2017.

Outstanding Student Research (Cont.)

Student Presentations (Cont.)

NCUR 2017 (Cont.)

Taylor Morris-Bates presented “Increasing Donations from a Younger Generation: A Marketing Campaign for MADD” at the National Conference of Undergraduate Research, Memphis, Tennessee, April, 2017.

Ruth Heying and Callista Brown presented “High-Throughput, Fluorescent Analysis of Reactive Oxygen Species in *C. elegans* after Knockdown of *mrck-1*” at the National Conference of Undergraduate Research, Memphis, Tennessee, April, 2017.

Jada Taylor and Amy Wigglesworth presented “Central: An Under 21 Night Club” at the National Conference of Undergraduate Research, Memphis, Tennessee, April, 2017.

Miranda Haney presented “Providing a Voice to the Voiceless through Text in Ciro Guerra’s ‘Embrace of the Serpent’” at the National Conference of Undergraduate Research, Memphis, Tennessee, April, 2017.

Elizabeth Withers presented an “Analysis of Trichloroethylene in Water” at the National Conference of Undergraduate Research, Memphis, Tennessee, April, 2017.

Laura Baasland presented “The Problematic Structure of the Nonprofit System” at the National Conference of Undergraduate Research, Memphis, Tennessee, April, 2017.

Alison Haley presented “Salisbury University Event App” at the National Conference of Undergraduate Research, Memphis, Tennessee, April, 2017. Co-author Josey Johnson.

Martina Maya-Callen presented “Art, Pollution & Social Practice” at the National Conference of Undergraduate Research, Memphis, Tennessee, April, 2017.

Brendan Gallagher presented “Mortality Salience and Perceptions of Intimacy with Deceased Friends and Classmates” at the National Conference of Undergraduate Research, Memphis, Tennessee, April, 2017.

Samantha Allen presented “A Knockout Mutation in the Yeast DUF1 Gene Increases Oxidative Stress Survival” at the National Conference of Undergraduate Research, Memphis, Tennessee, April, 2017.

Amber Lahay presented “Campus to Country, is the Consensus on Climate Change Really What You Think It Is?” at the National Conference of Undergraduate Research, Memphis, Tennessee, April, 2017.

Outstanding Student Research (Cont.)

Student Presentations (Cont.)

NCUR 2017 (Cont.)

Kathleen Nizich, Hannah Davis and Victoria Messinger presented “Salisbury Farm-to-Table Initiative” at the National Conference of Undergraduate Research, Memphis, Tennessee, April, 2017. Co-authors, Marybeth Bidwick and Christopher Thorn.

Emily Hawthorne presented “An exploration of students’ base-ten concepts” at the National Conference of Undergraduate Research, Memphis, Tennessee, April, 2017. Co-author Brittany Ilzuck.

Shannon Maio presented “Personality and charitable giving” at the National Conference of Undergraduate Research, Memphis, Tennessee, April, 2017.

Adam Jump presented “A sharp upper bound on the K-color connection number of a graph” at the National Conference of Undergraduate Research, Memphis, Tennessee, April, 2017.

Kayla Davis presented “Developing 5th Graders’ Understanding of Fraction Multiplication” at the National Conference of Undergraduate Research, Memphis, Tennessee, April, 2017. Co-author David Bright.

Doctoral Program Presentations

Davis, Andrea, Zoll, Gary presented “History, Literature, & Technology: A Recipe for Secondary PBL.” At the Maryland Council for Social Studies and Maryland Council of Teachers of English Language Arts joint conference, *Literacy: The Key to Engagement*.

McFadden, J., Franzak, J.K., Taylor, C., Briggs, R., Poist, H. presented “Investigating reading capital in rural literacy learning contexts: Students speak up.” at the Literacy Research Association Annual Meeting. Nashville, TN.

Harned, C., Porter, H., Camillo, C, & Franzak, J. presented “From High School to College: Supporting Students’ Self-Advocacy of Literacy Skills.” at the National Council of Teachers of English Annual Conference. Atlanta, GA. 17-20 November 2016.

Harned, C., Porter, H., Camillo, C, & Franzak, J. presented “Promoting Student Agency for Literacy Learning in the Disciplines.” at the 7th Annual SU Teaching & Learning Conference. Salisbury, MD. 17 February 2017.

Outstanding Student Research (Cont.)

Student Presentations (Cont.)

Doctoral Program Presentations (Cont.)

Porter, H., Harned, C., & Jack, G. presented “Reading in Disciplinary Contexts: Understanding Practices and Perspectives of Upper-Division African American Students.” at the American Educational Research Association Annual Conference. San Antonio, TX. 29 April - 1 May 2017.

Porter, H. presented “Undergraduate Literacy Practices: A Case Study of Disciplinary Learners” Submitted/Pending Approval to Literacy Research Association Annual Conference. Tampa, FL. 29 November-2 December 2017

Christina Camillo presented “Organize Your Curiosity: How to Write in Science” at the Association of Zoo Veterinary Technicians Conference; Tulsa, OK; September 14, 2016.

April Winterson presented “Analyzing Student Book Discussions for CC Standards.” at the Maryland Council of Social Studies & Maryland Teachers of English Joint Conference. October 2016.

Student Awards, Honors, and other Activities of Distinction

National NATS Winner

Jeffrey Todd: Freshmen/Sophomore Men Classical, 3rd Place, '16

Mid-Atlantic Regional NATS Winners

Jeffrey Todd: Second Year Men Classical, 1st Place, '17

Most Outstanding Collegiate Male Vocalist Classical, Winners' Recital, '17

John Wixted: Fourth/Fifth Year Musical Theater, 2nd Place, '17

Syed Jaffery: Third Year Musical Theatre, 3rd Place, '17

MD-DC NATS Winners

Jeffrey Todd: 1st Place, Classical, '17

John Wixted: 1st Place, Musical Theatre, '17

Outstanding Student Research (Cont.)

Student Awards, Honors, and other Activities of Distinction (Cont.)

Syed Jaffery: 2nd Place, Musical Theatre, '17

Desiree Borges: 1st Place, Musical Theatre, '17

Maggie Jones: 2nd Place, Musical Theatre, '17

Patrick Gover: 1st Place, Musical Theatre, '17

Jeremiah Copeland: 2nd Place, Musical Theatre, '17

Hannah Ennerfelt:

Fulbright Recipient, 2017

John and Mary Roth Honors Thesis Prize recipient

Undergraduate Honors Thesis, "The Effect of Induced Hyperglycemia on Dorsal Root Ganglia and Sensory Nerves in *Danio rerio*," Salisbury University, Honors College, 2015. Print.

Ennerfelt HE. *, Clark JK. The Analysis and Effect of Induced Hyperglycemia on the Dorsal Root Ganglion and Sensory Nerves in Zebrafish. Society for Neuroscience Conference 2016.

Ennerfelt HE. *, Clark JK. The Effect of Induced Hyperglycemia on the Dorsal Root Ganglion and Sensory Nerves in Zebrafish. Northeastern Regional Honors Council Conference 2016.

Ennerfelt HE. *, Clark JK. The Effect of Induced Hyperglycemia on the Dorsal Root Ganglion and Sensory Nerves in Zebrafish. Salisbury University Summer Research Program 2016.

Ennerfelt HE. *, Clark JK. The Effect of Induced Hyperglycemia on the Dorsal Root Ganglion and Sensory Nerves in Zebrafish. Maryland STEM Festival. Salisbury, MD 2015.

Ennerfelt HE. *, Clark JK. Analysis of Hyperglycemic Induction in Zebrafish. Maryland STEM Festival. Salisbury, MD 2015.

Outstanding Student Research (Cont.)

Student Awards, Honors, and other Activities of Distinction (Cont.)

Julia Howell:

Undergraduate Honors Thesis, "Acute effects of hyperglycemia in a chemical-genetic cell ablation model," Salisbury University, Honors College, 2015.

Howell J. *, Clark JK. Acute effects of hyperglycemia on zebrafish peripheral nerves in a genetic-chemical ablation model. 31st Annual National Conference on Undergraduate Research (2017)

Howell J. *, Clark JK. Acute effects of hyperglycemia on zebrafish peripheral nerves in a genetic chemical ablation model. Faculty for Undergraduate Neuroscience, Society for Neuroscience 2016.

Howell J. *, Clark JK. Acute effects of hyperglycemia on zebrafish motor axons in a genetic chemical ablation model. Salisbury University Summer Research Program 2016.

Amanda Rocker:

Rocker A. *, Clark JK. A potential link between a connexin41.8 mutation and peripheral neuropathy. Northeastern Regional Honors Council Conference 2016.

Katelyn Steagall: "Stereoscope" Second Place Polaris Fiction Contest. 2017.

Annie Warner: "Away" Semifinalist. StoryQuarterly Fiction Prize. 2016.

VI. Acknowledgements

▪ Posters, T-Shirts, & Program Cover:

Joseph Migliorini & Dr. Paul Flexner

▪ Student Assistants:

Nicholas A. Carlini & William Fountain

▪ SU Student Research Conference Committee:

Scott Mazzetti (*Health and Sport Sciences*), Moushumi Chakraborty (*Library*), Jessica Clark (*Biological Sciences*), Brian Hill (*Economics and Finance*), Aurelie Van de Wiele (*Modern Languages*), Kimberly van Vulpen (*Social Work*) and Timothy Werner (*Health and Sport Sciences*)

Acknowledgements (Cont.)

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

Dr. Clifton Griffin, *Dean of Graduate Studies & Research*
Lacie Doyle, *Admissions Counselor*
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Donna Knopf, *Grants Specialist & Compliance Coordinator*
Haleigh LaChance, *Contract & Grants Specialist*
Jessica Scott, *Graduate Program Manager*
Beth Walsh, *Grants Specialist*
Dr. Doug DeWitt, *Graduate Council Chair*
Dr. Diane Wagner, *Graduate Council Vice-Chair*

- **Administration Support:**

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See you at the 17th Annual Salisbury University Student Research Conference in April 2018!!!***