

12th Annual Salisbury University Student Research Conference

Friday, April 26, 2013

12:30pm-1:30pm
Welcome Reception with Refreshments
Welcome from President Dudley-Eshbach
Performance by Squawkapella
Lawn between Henson Hall and Devilbiss Hall

1:30-2:45pm
Session 1: Oral Research Presentations
Henson Hall

3:00-4:15pm
Session 2: Oral Research Presentations
Henson Hall

4:30-5:45pm
Session 3: Oral Research Presentations
Henson Hall

6:00-7:30pm
Poster Session with Refreshments
Wicomico Room, Guerrieri Center

The Registration & Information table will be open:

12:30pm - 4:30pm Henson Hall Lobby
5:00pm - 6:00pm Guerrieri Center, Wicomico Room entrance

Salisbury University Student Research Conference
Friday, April 26, 2013, 12:30pm – 7:30 p.m.
Brief Program Outline

Welcome: 12:30 – 1:30 Welcome Session with Refreshments
Lawn between Henson Hall and Devilbiss Hall

Welcome from President Dudley-Eshbach; Performance by Squawkapella

Session 1: 1:30 – 2:45 Oral Research Presentations in Henson Hall

<u>Panel</u>	<u>Room</u>	<u>Title</u>
1A	HS 109	See You at the Movies
1B	HS 111	Not Just Another "Plain Jane"
1C	HS 113	Work and Play
1D	HS 115	Retail Therapy
1E	HS 337	It's a Novel Idea
1F	HS 243	Napoleon's Dynamite
1G	HS 211	The Scoop on Poop
1H	HS 341	Tales from Abroad
1I	HS 103	Respect Mama Earth

Session 2: 3:00 – 4:15 Oral Research Presentations in Henson Hall

<u>Panel</u>	<u>Room</u>	<u>Title</u>
2A	HS 109	Men are from Mars, Women are from Venus
2B	HS 211	Roundtable 1
2C	HS 111	So This Is College
2D	HS 113	Culture Wars
2E	HS 115	Hear Me, See Me
2F	HS 103	I Work Out
2G	HS 337	Roundtable 2
2H	HS 243	Good 'Ole Eastern Shore

Session 3: 4:30 – 5:45 Oral Research Presentations in Henson Hall

<u>Panel</u>	<u>Room</u>	<u>Title</u>
3A	HS 109	Mind Games
3B	HS 111	Hero and Heroines
3C	HS 243	Animal Kingdom
3D	HS 211	Sickness and Health
3E	HS 113	Schoolhouse Rock
3F	HS 115	Ecuador Studies
3G	HS 337	Quagmires
3H	HS 103	STEM
3I	HS 341	History in the Making

Session 4: 6:00 – 7:30 Poster Session with Refreshments
Wicomico Room, Guerrieri University Center

Research Poster Displays, Refreshments, and Outstanding Research Mentor Award

12:30-1:30 Welcome Reception with Refreshments

Lawn between Henson Hall and Devilbiss Hall

Welcome and Opening Remarks: President Janet Dudley-Eshbach
Performance by Squawkapella

1:30-2:45 First Session of the Oral Presentations

1A See You at the Movies

1:30-1:45 *Transnational Stardom: Why are Some Bollywood Stars More Well Known in the US Than Others?*
Mary Capper
*Faculty Mentor – James Burton, Communication Arts

1:50-2:05 *Tolerance and Intolerance in Forrest Gump*
Taylor Colbert
*Faculty Mentor – James Burton, Communication Arts

2:10-2:25 *Queering the Western--from Stagecoach to Brokeback Mountain*
Jacob Swinney
*Faculty Mentor – Elsie Walker, English

2:30-2:45 *Conventions of Science Fiction in Cinema- Invasion of the Body Snatchers vs. The Faculty*
Erica Winter
* Faculty Mentor – Elsie Walker, English

1B Not Just Another "Plain Jane"

1:30-1:45 *A Rose by Any Other: Jane Austen's Reflowering Name Repeats and Gender Implications*
Amanda Biederman
*Faculty Mentor – Lucy Morrison, English

1:50-2:05 *Austen's Daddy Issues*
Veronica Thompson
*Faculty Mentor – Lucy Morrison, English

2:10-2:25 *True Love or True Deceit? Elizabeth Bennett's true reason for marrying Darcy*
Brooke Feichtl
*Faculty Mentor – Lucy Morrison, English

1C Work and Play

1:30-1:45 *Whistle While You Work: A Survey on Employed Youth*
Jacob Troxell, Brooke Feichtl, Ashley Martin, William Morton, Ryan Sartschev
*Faculty Mentor – Chrys Egan, Communication Arts

1:50-2:05 *Homelessness: An Observational Study of the Relationship between the Homeless and the Shelters*
Katherine Werrell, Brittany Crispino, Molly Knapp, Sergio Mercado, Ryan Vanderwest
*Faculty Mentor – Chrys Egan, Communication Arts

2:10-2:25 *Arts in America: A Working Artist's Influence*
Dan Norris
*Faculty Mentor – John Kalb, English

2:30-2:45 *Leveling the Playing Field: How Moneyball is Saving Major League Baseball*
Edward Martin
*Faculty Mentor – Lee May, Math and Computer Science

1D Retail Therapy

1:30-1:45 *O Come, All Ye Faithful Shoppers: A Metaphor Analysis of Christmas Shopping as a Battlefield*
Diana Chavis, Rebecca Nolan, Gabrielle Weissburg
*Faculty Mentor – Vinita Agarwal, Communication Arts

1:50-2:05 *After the Fall: A Look at the Political and Economic Developments of Estonia During and After the Soviet Union.*
Brian Valdivia
*Faculty Mentor – Michael O'Loughlin, Political Science

2:10-2:25 *Intersection-Based Retail Location Modeling: A Nodal Network Approach*
Bradley Macpherson
*Faculty Mentor – Mark deSocio, Geography

1E It's a Novel Idea

1:30-1:45 *An Examination of Official Sourcing and White House Opinion Dominance in National Newspapers Post-9/11*
Melany Parlaman
*Faculty Mentor – Jennifer Cox, Communication Arts

1:50-2:05 *Sensationalism and Social Change: How Subjective Journalism is Pushing Social Change in India: A Content Analysis of Newspaper Articles in The Times of India*
Pete Hicks
*Faculty Mentor – Andrew Sharma, Communication Arts

2:10-2:25 *A Rhetorical Criticism of Narratives in Law*

Daniel Ferrett

*Faculty Mentor – Thomas Moriarty, English

2:30-2:45 *Interpretation Methods and How They Can Be Used to Predict the United States Supreme Court*
Joseph Brandler

*Faculty Mentor – Roberta Adams, Political Science

1F Napoleon's Dynamite

1:30-1:45 *The Toll of General Winter: Climatic Impacts On Napoleons Invasion of Russia in 1812*
Emily Moore

*Faculty Mentor – Darren Parnell, Geography

1:50-2:05 *Poor Decisions and Grim Consequences: the United States' Influence in the Guatemalan Civil War*
Caitlyn Rifenburg

*Faculty Mentor – Emily Story, History

2:10-2:25 *Andrew Jackson's War of Indian Removal*
Erin Nooney

*Faculty Mentor – Jeanne Whitney, History

2:30-2:45 *Military Anthropology and its Ethical Implications*
John Dysart

*Faculty Mentor – Linda Dwyer, History

1G The Scoop On Poop

1:30-1:45 *Dung Beetles on Organic and Conventionally Managed Cattle Pastures*
Joe Restein, Mallory Hagadorn

*Faculty Mentor – Dana Price, Biological Sciences

1:50-2:05 *Creating Keys to the Dung Beetles of Maryland*
Nemes Simone

* Faculty Mentor – Dana Price, Biological Sciences

2:10-2:25 *Survival of Enterococcus faecalis in Fresh and Tidal Waters*
Christopher Haviland

*Faculty Mentor – Mark Frana, Biological Sciences

1H Tales From Abroad

1:30-1:45 *Evaluating the Performance of Apparel Exports to the United States in the Post AGOA Period: Demand vs. Market Share Changes*
Kori Asbury *Faculty Mentor – Jonathan Munemo, Economics and Finance

1:50-2:05 *U.S. Foreign Direct Investment Effects on Developing Nations*
Elena Ramirez *Faculty Mentor – Jamie Emerson, Economics and Finance

2:10-2:25 *e. e. cummings: The Evolution of an Anti-Communist*
Stacey Miller *Faculty Mentor – John Wenke, English

2:30-2:45 *The Forgotten Story: The Diplomacy of Samantha Smith*
Courtney Shafer *Faculty Mentor – Maarten Pereboom, Fulton School of Liberal Arts

1I Respect Mama Earth

1:30-1:45 *The Differing Monthly Migration of United States Tornadoes: 1950-2011*
Michelle Saunders *Faculty Mentor – Brent Skeeter, Geography

1:50-2:05 *Empirical Demonstrations of Energy Savings from Color Changing Roof Tiles*
William Robinson, Adam Goertemiller *Faculty Mentor – Matthew Bailey, Physics

2:10-2:25 *The Superfund Case*
Jessica Johnson *Faculty Mentor – Michael Lewis Environmental Studies

3:00-4:15 Second Session of the Oral Presentations

2A Men Are From Mars, Women Are From Venus

3:00-3:15 *The Indian Woman: An Analysis of the Female Figure in Indian Media*
Rachel Segal, Amina Aden *Faculty Mentor – Andrew Sharma, Communication Arts

3:20-3:35 *Making Their Contribution: Women's Unwritten Defiance to Patriarchy in Brazil*
Kimberly Chambers *Faculty Mentor – Emily Story, History

3:40-3:55 *Deconstructing Masculinity in The Brief and Wondrous Life of Oscar Wao* by Junot Diaz
Fabiola St. Hilaire
*Faculty Mentor – Corinne Pubill, Modern Languages

4:00-4:15 *A Place for Women or Women in Their Place in Forrest Gump*
Megan Baker
*Faculty Mentor – James Burton, Communication Arts

2B Roundtable 1

3:00-4:15 *Candour in Jane Austen's Pride and Prejudice*
Camille St. Regis
*Faculty Mentor – Lucy Morrison English

2C So This Is College

3:00-3:15 *College Success: A Survey on the Benefits of Extracurricular Activities*
Corey Waters
*Faculty Mentor – Chrys Egan, Communication Arts

3:20-3:35 *The Influence of Student Organizations on Campus Life*
Catherine Raley
*Faculty Mentor – Linda Dwyer, History

3:40-3:55 *Hooking Up - An Exploration of Technology and the Sexuality of Digital Natives*
Katie Carroll
*Faculty Mentor – Cynthia Payne, English

2D Culture Wars

3:00-3:15 *The Principles of '98: How the Virginia and Kentucky Resolutions Impacted the Early Republic*
Patrick Becknell
*Faculty Mentor – Jeanne Whitney, History

3:20-3:35 *Guns at the Ready: The NRAs Cultural War, Its influence, Tenacity and Effect*
Samuel Voorhees
*Faculty Mentor – Roberta Adams, Political Science

3:40-3:55 *Going Native: Displaying the Indian in Chesapeake Museums*
Cheyenne Malinis
*Faculty Mentor – Elizabeth Ragan, History

2E Hear Me, See Me

3:00-3:15 *Social Consequences of Regional Accents in the U.S.*
Chantel Gerardo
*Faculty Mentor – Thomas Moriarty, English

3:20-3:35 *Examining Voice In Relation To Joris Ivens's Silent Documentary Rain*
Celeste Reeb
*Faculty Mentor – David Johnson, English

3:40-3:55 *Visions and Revisions of Eden: Three Abrahamic Voices Here and Now*
Natasha Shangold
*Faculty Mentor – James Hatley, Environmental Studies

4:00-4:15 *There's No Place Like Home*
Stephanie Johnson
*Faculty Mentor – Mary Norton, Theatre and Dance

2F I Work Out

3:00-3:15 *The Effects of Kinesiology Tape on Performance of the triceps surae Through Functional Testing in Collegiate Athletes*
Marguerite Gilchrist, Alyssa Douglas
*Faculty Mentor – Kelly Fiala, Health & Sport Sciences

3:20-3:35 *The Effect of Mechanical Loading on Bone Remodeling and Osteoporosis*
Jessica Haaf
*Faculty Mentor – Scott Mazzetti, Health & Sport Sciences

3:40-3:55 *Open vs. Closed Kinetic Chain: Understanding ACL Rehabilitation Exercise Choices*
Peter Francis
*Faculty Mentor – Scott Mazzetti, Health & Sport Sciences

4:00-4:15 *Understanding Changes in RMR and Energy Expenditure: More Muscle or Trained Muscle?*
Patrick Ferrara, Ryan Sapp, Edwin Miranda, Peter Francis, Carlos Rivera-Pratts, Jessica Haaf, Andrew Bushong, Victoria Meyers, Castor William
*Faculty Mentor – Scott Mazzetti, Health & Sport Sciences

2G Roundtable 2

3:00-4:15 *Design Evolution: Student to Career*
Taylyn Fuhrman, Kimberly George, Lana Hauser
*Faculty Mentor – Somiah Lattimore, Art Department

2H Good 'Ole Eastern Shore

3:00-3:15 *Evaluating 30 Years of Change in Forest Bird Populations on the Lower Delmarva Peninsula*
Marshall Boyd
*Faculty Mentor – Ronald Gutberlet, Biological Sciences

3:20-3:35 *Phylogeographic Analysis of Red-backed Salamanders (Plethodon cinereus) on the Delmarva Peninsula.*
Michael MacArthur
*Faculty Mentor – Ronald Gutberlet, Biological Sciences

3:40-3:55 *The Climatology of Fog Events in Salisbury, MD: 1980-2010*
Wesley Skeeter
*Faculty Mentor – Darren Parnell, Geography

4:00-4:15 *Archaeology After the Dig: Identifying, Analyzing, and Cataloging Prehistoric Artifacts Recovered in Dorchester County*
Shannon Gallagher
*Faculty Mentor – Elizabeth Ragan, History

4:30-5:45 Third Session of the Oral Presentations

3A Mind Games

4:30-4:45 *Mental Health Crisis: Public Perception Versus Professional Opinion*
Alexa Kline, Morgan Hoey, Tasha Totaram, Rachel Segal, Gerald Charles
*Faculty Mentor – Chrys Egan, Communication Arts

4:50-5:05 *Mental Illness in Hollywood*
Samantha Langdon
*Faculty Mentor – James Burton, Communication Arts

5:10-5:25 *So You Think You're Right: The Mediating Effect of Personality on Fundamentalism*
Katherine Calloway, Jennifer Thacker
*Faculty Mentor – Mark Walter, Psychology

5:30-5:45 *Types of Threat Messages that Reduce Denial Responses among Those High in Denial Response Tendencies*
Meagan Green, Sarah Williams, Alyson Stafford, Kathryn Wason
*Faculty Mentor – Michele Schlehofer, Psychology

3B Hero and Heroines

4:30-4:45 *Griswold's Gourmet*
Evan Sturman
*Faculty Mentor – Brian Hill, Economics and Finance

4:50-5:05 *Fantomina: Leaving Beauplaisir a Dunce*
Linsey Hill
*Faculty Mentor – Christopher Vilmar, English

5:10-5:25 *Wayne ist die ubermensch: Christopher Nolan's Dark Knight and Friedrich Nietzsche*
Zach Wheeler
*Faculty Mentor – David Johnson, English

5:30-5:45 *James Henry Hammond: Benevolent Master, Callous Villain*
Harry Suber

*Faculty Mentor – Jeanne Whitney, History

3C Animal Kingdom

4:30-4:45 *Mapping the Distribution of Amphibians and Reptiles in Maryland*
Jacqueline Darrow, Kevin Akins, Stephanie Lamb, Michael Woolford, Lauren Hensley

*Faculty Mentor – Ronald Gutberlet, Biological Sciences

4:50-5:05 *Genotypic Variation Among *pseudacris crucifer* Populations: Behavioral Genetics Approach*
Christina Bell, Georgette Ndamukong, Nicholas Egan

*Faculty Mentor – Kimberly Hunter, Biological Sciences

5:10-5:25 *A Microsatellite and Morphometric Analysis of the Atlantic Killifish (*fundulus heteroclitus*) along the Mid-Atlantic Region*
Joel Nelson, Austin Bryant

*Faculty Mentor – Kimberly Hunter, Biological Sciences

5:30-5:45 *The Importance of Wildlife Research for Effective Management of Biological Reserves: A Case Study Examining the Effect of African Elephants (*loxodonta africana*) on Sub-Saharan Ecosystems*
Rebecca Wanner

*Faculty Mentor – Ronald Gutberlet, Biological Sciences

3D Sickness and Health

4:30-4:45 *Human Influence on the Evolution of the Influenza A Virus*
Meryam Gharbi

*Faculty Mentor – Stephen Gehnrich, Biological Sciences

4:50-5:05 *The Effect of Vaccination Behavior on Stress in the H1N1 Pandemic*
Kathryn Reitenbach

*Faculty Mentor – Karl Maier, Psychology

5:10-5:25 *Characterization of Putative Enzyme 3-FCR*
Stacey Sova

*Faculty Mentor – Alison Dewald, Chemistry

5:30-5:45 *Identifying the Genetic Makeup of an Athlete*
Victoria Meyers

*Faculty Mentor – Scott Mazzetti, Health & Sport Sciences

3E Schoolhouse Rock

4:30-4:45 *The Digital Natives: Using Technology In Social Studies Secondary Classrooms*
Angela Landess
*Faculty Mentor – Peggy Genvert, History

4:50-5:05 *6+1= Successful 1st Grade Writers*
Kaitlin Connolly
*Faculty Mentor – Keith Conners, Teacher Education

5:10-5:25 *Shifting from Problem Centric to Opportunity Centric: A Private School Appreciative Inquiry through the Lens of Discover, Dream, Design and Destiny*
Anthony Yost, Tyler Smith
*Faculty Mentor – Brian Polkinghorn, CADR

3F Ecuador Studies

4:30-4:45 *Culture Shock: Analyzing Experiences of Study Abroad Students in Cuenca, Ecuador*
Jennifer Abel
*Faculty Mentor – Dennis Leoutsakas, Communication

4:50-5:05 *Amazon, Andes, and Coast: How subcultures and geography shaped the diverse architecture of Ecuador*
Daniel Trice
*Faculty Mentor – Dennis Leoutsakas, Communication

5:10-5:25 *Ecuador: Religion and Tradition*
Brendan Engle
*Faculty Mentor – Dennis Leoutsakas, Communication

5:30-5:45 *Women's Studies in Ecuador*
Emma Rutter
*Faculty Mentor – Dennis Leoutsakas, Communication

3G Quagmires

4:30-4:45 *Microbial Diversity of Nitrate Reductase (*napA* and *narG*) Gene Fragments in Wetlands*
Kathy Dunning, Morgan Pulsifer
*Faculty Mentor – Katherine Miller, Chemistry

4:50-5:05 *Analysis of Denitrification in Wetlands: Focusing on Kinetics*
Morgan Pulsifer, Kathy Dunning
*Faculty Mentor – Katherine Miller, Chemistry

5:10-5:25 *The Politics of Salmon: An Examination of the Environmental Issues Concerning the World's Salmon Populations, the Political Tensions They Cause, and Possible Remedies and Compromises.*
Steven Cennane
*Faculty Mentors – Sarah Surak, Political Science

3H STEM

4:30-4:45 *Sweet Sorghum as a Source of Bioethanol*
Benjamin Clark, Jordan Wilson
*Faculty Mentor – Elizabeth Emmert, Biological Sciences

4:50-5:05 *Genetic Variation in the Endangered Plant *Ptilimnium nodosum*: Maryland and West Virginia Populations*
Whitney Smith, Katelyn Blondino
* Faculty Mentor – Kimberly Hunter, Biological Sciences

5:10-5:25 *Cleansing the Origami Dodecahedron of Thirds*
Andrea Becker
*Faculty Mentor – Donald Spickler, Math and Computer Science

5:30-5:45 *The Calculation of Standard Error in SPSS*
Kristen Davis
* Faculty Mentor – J. Craig Clarke, Psychology

3I History In The Making

4:30-4:45 *Attitudes on The Legalization of Marijuana*
Trent Washington
*Faculty Mentor – George Whitehead, Psychology

4:50-5:05 *Repose and Responsibility*
Holly Baldwin
* Faculty Mentor – Elizabeth Ragan, History

5:10-5:25 *Efficiencies....The Other 70%*
Gregg Morris
*Faculty Mentor – Matthew Bailey, Physics

6:00-7:30pm Poster Session with Refreshments

Wicomico Room, Guerrieri University Center

Resilience: Bouncing Back After Deployment

Sasha Greenfeld

* Faculty Mentor – Rachel Buchanan, Social Work

Does Teacher-researcher Know Best? External Validity and Other Methodological Limitations in Teaching Research

Amy Harrell, Katherine Calloway

* Faculty Mentor – Thomas Tomcho, Psychology

ReactOS - A Perfect Operating System for the Future After All?

Nicholas Heald, Matthew Thorne

* Faculty Mentor – Xiaohong Wang, Math and Computer Science

Why Don't You Know More About the Graduate School Application Process? An Intervention to Improve Student Knowledge

Daphne Heflin, Kristen Davis

* Faculty Mentor – Thomas Tomcho, Psychology

The Role of Vascular Endothelial Cells in Thromboxane A2 Analogue U46619 Induced Vasoconstriction

Lylie Hinh, Zachary Rathbun, Michelle Rhodes

* Faculty Mentor – Victor Miriel, Biological Sciences

Quality Palliative Care in Nursing Practice

Nalynn Holland

* Faculty Mentor – Tina Reid, Nursing

*Identifying interaction partners of the *Arabidopsis thaliana* deubiquitinase-associated WD40-repeat proteins LRS1 and WDR20*

Sean James

* Faculty Mentor – Patti Erickson, Biological Sciences

Don't Leave Your Work Hidden Under a Rock: Predictors of the Conference Presentation to Publication Ratio in Psychology Teaching Research

Kelly Jent, Allison Adle

* Faculty Mentor – Thomas Tomcho, Psychology

Documenting the Distribution of Amphibians and Reptiles in Wicomico County, Maryland, as Part of a Statewide Atlas Effort

Stephanie Lamb, Michael Woolford, Jacqueline Darrow, Lauren Hensley, Kevin Akins

* Faculty Mentor – Ronald Gutberlet, Biological Sciences

Exploring Modern Cross-platform Technology

Christopher Langley, Jonathan Palmateer

* Faculty Mentor – Xiaohong Wang, Math and Computer Science

To Whom Are We Listening? A Multidimensional Analysis of the Research Literatures Informing Psychology Teaching Research

Katherine Leipold

* Faculty Mentor – Thomas Tomcho Psychology

Self-Image vs. Identity: Female Expression in Relation to Self-Perception

Lyndsay Lewman

* Faculty Mentor – Paul Flexner, Art Department

Computational Modeling of Robotic Arm Kinematics

Samim Manizade

* Faculty Mentor – Michael Bardzell, Math and Computer Science

Modeling of SN2011fe

Amber McBride

* Faculty Mentor – Joseph Howard, Physics

*A Review of the Taxonomy and Host Specificity of *Capsala poeyi* (Monogenea: Capsalidae) and an Investigation of its Distribution on Maryland Billfishes (Osteichthyes: Istiophoridae).*

Kendall Murphy

* Faculty Mentor – Ann Barse, Biological Sciences

The Struggle to Stay in School: A Survey on High School Truancy and Drop Out Rates

Mary O'Brien, Taylor Linker, Emma Klotz, Kelley McDonough, Amanda Emery

* Faculty Mentor – Chrys Egan, Communication Arts

A Computational Investigation of Pi-Cation Interactions between S-Adenosylmethionine (SAM) and Amino Acids.

Akua Preko, Zack Bayhan

* Faculty Mentor – Anita Brown, Chemistry

Distribution and Status of Birds of the Deal Island Wildlife Management Area and Monie Bay National Estuarine Research Reserve

Megan Ramstrom, Eric Lynch

* Faculty Mentor – Ronald Gutberlet, Biological Sciences

Comparison of Virtual Memory Implementation for Solaris and Windows

Thomas Rees, Dylan Haines, Eric Meyers

* Faculty Mentor – Xiaohong Wang, Math and Computer Science

Religion and College Coping: A Systematic Review of Literature

Jennifer Schomburg

* Faculty Mentor – Kimberly van Vulpin, Social Work

Analyzing Patterns in Large-Scale Graphs Using MapReduce in Hadoop

Joshua Schultz

* Faculty Mentor – Enyue Lu, Math and Computer Science

What's Eating You? How Communal Eating Effects College Relationships

Chelsea Smith

* Faculty Mentor – Larence Becker, Psychology

The Influence of Message Framing and Personal Relevance on Stress Appraisals of Climate Change

Kevin Smith

* Faculty Mentor – Karl Maier, Psychology

*Heterozygosity-fitness Correlations in the Red-backed Salamander (*Plethodon cinereus*)*

Gina Sorce, Christian Kramer

* Faculty Mentor – Eric Liebgold, Biological Sciences

Comparison of Window FAT and NTFS

Whitney Spangler, Joshua Souders

* Faculty Mentor – Xiaohong Wang Math and Computer Science

Bat Distribution and Abundance on the Delmarva Peninsula

Brittany Stoner

* Faculty Mentor – Aaron Hogue, Biological Sciences

I Think, Therefore I Bake: Building a Better Brownie

Ross Tajvar, Samim Manizade, Kathy Dunning

* Faculty Mentor – Robert Tardiff, Math and Computer Science

Comparison of Thread Handling for Multiple Operating Systems

Elaine Taylor, Josh Bargar

* Faculty Mentor – Xiaohong Wang, Math and Computer Science

*Effects of Chemical and Temperature-induced Oxidative Stress on *Caenorhabditis elegans* with Reduced mrck-1 Expression*

Morgan Taylor, Amanda Chapo

* Faculty Mentor – Patti Erickson, Biological Sciences

CPU Scheduling

Matt Vlahos, Ryan Sherman

* Faculty Mentor – Xiaohong Wang Math and Computer Science

Books for All: Learning from Children's Literature Related to Special Needs

Cara Wagaman

* Faculty Mentor – Ernest Bond, Teacher Education

Soil Nutrient Profiling

Staci Warrington

* Faculty Mentor – Judith Stribling, Biological Sciences

Warning! Wear Sunscreen: How to Convince the Unconvinceable.

Kathryn Wason, Meagan Greene, Alyson Stafford

* Faculty Mentor – Michele Schlehofer, Psychology

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 the Wicomico Room (Guerrieri Center). This award celebrates faculty mentors who have proven excellent supervisors of student research or creative work. **The 2013 Outstanding Research Mentor Award Nominees are:**

- Dr. Rachel Buchanan – Social Work
- Dr. Jennifer Cox – Communication Arts
- Dr. Linda Dwyer – Anthropology
- Dr. Annie Lu – Computer Science
- Dr. Lucy Morrison – English
- Dr. Ryan Taylor – Biological Sciences
- Dr. Thomas Tomcho – Psychology
- Dr. Kristen Walton – History

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

Corey Basch, Jameson Brinck, and Joaquin Ramos published "Synthesis of cis-octahydroindoles via intramolecular 1,3-dipolar cycloadditions of 2-acyl-5-aminoazolium salts" in *Journal of Organic Chemistry*, (2012).

Ava Carcirieri co-authored (with mentor) "Examining body shame of college women by type of sexual victimization" in *Modern Psychological Studies*, (in press).

Nelson Dyer has a publication accepted with revision "Notes on the Diversity and Foraging Height of Carrion Beetles (Coleoptera: Silphidae) of the Nassawango Creek Preserve, Maryland" in *Coleopterists Bulletin*, (2012).

Bradley Macpherson co-authored (with Mark de Socio) "Gasoline station morphology on Virginia's Eastern Shore" in *Southeastern Geographer*, (2013).

Bradley Macpherson co-authored (with Mark de Socio) "Applying modern geographical techniques to cataloging and preserving historical economic geographies: Exploring gasoline station location patterns on Virginia's Eastern Shore" in *Journal of Map & Geography Libraries*, (forthcoming).

Camille St. Regis published "A Refuge from Chaos" in *Queen City Writers: A Journal of Undergraduate Writing & Composing*, (2012).

Student Presentations

Lauren Anderson, Amanda Biederman, Alexie Fox, and Stacey Miller presented "Womanly Worth: Female Education and Accomplishment in Austen's Novels" at the Maryland Collegiate Honors Conference in MD, March 2013 (Layne Hoffman contributed to the presentation but was unable to present).

Zakiah Baker led the Special Interest Group "Anti-Racism Activism" at the National Conference on Peer Tutoring in Writing, Chicago IL, November 2012.

Ava Carcirieri presented "Examining Body Shame of College Women by Type of Sexual Victimization," at the Eastern Psychological Association annual meeting, March 2013.

Amanda Chapo presented a poster entitled "Analysis of oxidative stress responses to mrck-1 RNA interference-treated *Caenorhabditis elegans* using fluorescent microscopy" at the National Conference for Undergraduate Research, La Crosse, WI, April 2013.

Chelsea Chmel presented "Smooth Seas Do Not Make Skillful Sailors" at the National Conference of Undergraduate Research, La Crosse, WI, April 2013.

Mallory Hagadorn presented "Not All Dung is Created Equal" at the Biodiversity: From Evolutionary Origins to Ecosystem Function, The Academy of Natural Sciences of Drexel University, Philadelphia, PA, October 2012.

Sean James presented a poster entitled "Identifying interaction partners of the *Arabidopsis thaliana* deubiquitinase-associated WD40-repeat proteins LRS1 and WDR20" at the American Society for Biochemistry and Molecular Biology/Experimental Biology conference, Boston, MA, April 2013.

Alexandria Kinder and Nichole Egerton presented "For the love of a vampire: Do internal representations of attachment to romantic partners influence self-selected exposure to twilight saga media across two different phases of data collection?" at the National Conference for Undergraduate Research, La Crosse, Wisconsin, April, 2013.

Jesse Miller presented a poster entitled "Analysis of *Arabidopsis* plants lacking the WD-40 repeat protein p80" at the Undergraduate Research Symposium in the Chemical and Biological Sciences held at UMBC, Baltimore, MD, October 2012.

Simone Nemes and Jennifer Shaughney presented "An Inordinate Fondness for Scarab Beetles" at the Biodiversity: From Evolutionary Origins to Ecosystem Function, The Academy of Natural Sciences of Drexel University, Philadelphia, PA, October 2012.

Chris (Robert) Nicholson presented "Boulders on Delmarva? An investigation into the source and mechanism by which boulders were deposited on Delmarva" at the Pennsylvania Geographical Society's annual meeting held in Salisbury, MD, November 2012. This paper placed 2nd in the undergraduate student paper contest at the PGS meeting.

Melany Parlaman presented "An Examination of Official Sourcing and White House Opinion Dominance in National Newspapers Post-9/11" at The National Conference of Undergraduate Research (NCUR), The Northeast Regional Honors Conference (NRHC), and the Maryland Collegiate Honors Conference (MCHC).

Molly Phelan led the Special Interest Group "Graduate Student Tutors & Administrators" at the National Conference on Peer Tutoring in Writing, Chicago, IL, November 2012.

Molly Phelan presented "Collapsing Student Hierarchies: Assessing and Addressing the Needs of Graduate Students in the Writing Center" at the National Conference on Peer Tutoring in Writing, Chicago, IL, November 2012.

Joaquin Ramos and Nelson Elbers presented "Synthesis of cis-octahydroindoles from oxazolium salts" at the 15th Annual Undergraduate Research Symposium in the Chemical and Biological Sciences, Univ. of Maryland-Baltimore County, October 2012.

Jane Smith and John Jones presented "Violence in the Media" at the Eastern Psychological Association annual meeting, Pittsburgh, PA, March 2012.

Camille St. Regis presented "Impressions of the Future: Dreams in Paint" at the National Conference for Undergraduate Research, La Crosse, WI, April 2013.

Kathryn Reitenbach presented "The Effect of Vaccination Behavior on Stress in the 2009 H1N1 Pandemic" at the Eastern Psychological Association annual meeting, New York, NY, March 2013.

Elizabeth Rentz presented "Species Diversity and Succession of Dung Beetles to Horse Dung on Assateague Island" at the Biodiversity: From Evolutionary Origins to Ecosystem Function, The Academy of Natural Sciences of Drexel University, Philadelphia, PA. October 2012.

Alyson Stafford, Meagan Green, and Kathryn Wason presented "Threat Orientations as a Dispositional Predictor of Heuristic Message Processing" at the Eastern Psychological Association annual meeting, New York, NY, March 2013.

Jessica Weber presented "Returns to Sender: Authentic Audience and a Haphazard Community of Writers" at the National Conference on Peer Tutoring in Writing, Chicago, IL, November 2012.

Kelli Wilhelm presented "Finding Reality Post War: Second Chances and Simulacrum in Jane Austen's Persuasion" at the Annual Graduate English Organization Conference, Baltimore, MD, April 2013.

Student Awards, Honors, and other Activities of Distinction

Gayle Metzger served as an invited reviewer for the 2012 National Conference on Peer Tutoring in Writing, May 2012. This is a national conference for writing center consultants.

Mallory Hagadorn received a Scholar Holler Award, November 2012.

Mallory Hagadorn received the Biological Sciences Faculty Award, 2012-2013.

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**Thank you to all our presenters, mentors, volunteers,
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**See you for the 13th Annual Salisbury University Student
Research Conference in April, 2014!!!**