Armstrong Student SCHOLARS Symposium
Explore Engage Enlighten

APRIL 16-17, 2015
Armstrong State University
Student Union
STUDENT SCHOLARS SYMPOSIUM

APRIL 16, 2015 — ORAL PRESENTATIONS
9 a.m.-6:30 p.m.  |  Student Union

Art, Music & Theatre Presentations  Ogeechee Theater
Biology Presentations  Ballroom A
Chemistry and Physics Presentations  Ballroom A
Communication Sciences and Disorders Presentations  Ballroom B
Computer Science and Information Technology Presentations  Ballroom B
Criminal Justice, Social and Political Science Presentations  Skidaway Room
Economics Presentations  Skidaway Room
Economics Awards, Monica Lewis  Ballroom A
  Economic Policy Competition 2015 Winner
Education Presentations  Ballroom A
  Ballroom C
History/Geography Presentations  Ballroom C
Languages, Literature & Philosophy Presentations  Ogeechee Theater
Mathematics Presentation  Ballroom B
Psychology Presentation  Ballroom B
Physical Therapy and Health Sciences Presentation  Ballroom B
Reacting to the Past Panel  President’s Dining Room
Writing Awards  President’s Dining Room

LUNCH
11:30 a.m.-1:30 p.m.  |  Student Union

APRIL 17, 2015 — POSTER PRESENTATIONS
10 a.m.-noon  |  Student Union

POSTER SESSION  Ballrooms A, B & C
ORAL PRESENTATIONS  Skidaway Room
APRIL 16, 2015
ORAL PRESENTATIONS

Symbols:
** = Graduate Student
* = Honors Project
^ = Received an Undergraduate Research Grant

LUNCH
11:30 A.M.-1:30 P.M.

BALLROOM A

BIOLOGY
9:30-11:40 A.M.

^Ben Callahan, Differences in DNA Methylation among Kenyan House Sparrows. Mentor: Aaron Schrey, Biology .................................9:30 a.m.

^David Dukes, The Role of Epigenetics in the House Sparrow’s Invasion of Kenya. Mentor: Aaron Schrey, Biology .......................9:50 a.m.


*Candace Poole and Cecilia Hernandez, Characterizing substrate specificity using Loop A domain mutagenesis of YOR120w and YHR104w. Mentor: Scott Mateer, Biology .................................10:10 a.m.

^Curtis Smith, Epigenetic Modifications of the TLR4 Promoter in House Sparrows Using Bisulfite Sequencing. Mentor: Aaron Schrey, Biology .........................10:30 a.m.

^Katherine Babineau, Optimizing Sustainable Fertilization Methods for Moringaoleifera. Mentor: Suzanne Carpenter, Chemistry & Physics; Richard Wallace, College of Science and Tech .................................11:40 a.m.

^Berkley Griffin, Development of Inexpensive CO2 Sensors for Gas Flux Analyses in Aquatic Coastal Ecosystems. Mentor: Sarah Gray, Chemistry and Physics .........................................................12:30 p.m.

^John Haddock, Synthesis, Reactivity and Structure of Novel Heteroscorpionate Ligands. Mentor: Brandon Quillian, Chemistry and Physics .........................................................12:50 p.m.

Zachary Russell, Supernovae, Neutrinos, and SNOLAB. Mentor: Jeffrey Secrest, Chemistry and Physics .........................................................1:10 p.m.

Monica Lewis Economic Policy Competition 2015 Winner
Economics Awards .........................................................2-3 p.m.

EDUCATION
4:10-6:20 P.M.

Colby Newberry and Camella McBrayer, Infusing Community into the Classroom: Creating Meaningful Opportunities to Celebrate Student Writing beyond the Author’s Chair. Mentor: Anne Katz, Childhood and Exceptional Student Education .........................4:10 p.m.

Jessica Pate, Expanding the Range of Text Types in Primary Grades. Mentor: Anne Katz, Childhood and Exceptional Student Education .........................4:30 p.m.

^Leah Perkins, Making reading creative: Empowering at-risk students through autobiographical scrapbook stories. Mentor: Anne Katz, Early Childhood Education ...4:50 p.m.

**Clarissa Price, Celebrating the Power of Language through Poetry and Creative Writing at East Broad Street School. Mentor: Anne Katz, Childhood and Exceptional Student Education ........................................5:20 p.m.

^Taylor Sims and Ashley Miller, Choose Your Words Wisely: Six Word Memoirs. Mentor: Anne Katz, Childhood and Exceptional Student Education ........................................5:40 p.m.

^Autumn Torres and Rachel Anderson, Color and Cultural Associations in Children’s Literature. Mentor: Anne Katz, Childhood and Exceptional Student Education ........................................6 p.m.

BALLROOM B

MATHEMATICS
9:30-10:10 A.M.

^Rachel Bass, Four-cycle Factorizations with Two Associate Classes. Mentor: Michael Tiemeyer, Math .........................................................9:30 a.m.

^Abraham Ladha, Exploring A Derivation of the n-queens Problem. Mentor: Patricia Brown, Math .........................................................9:50 a.m.

COMPUTER SCIENCE & INFORMATION TECHNOLOGY
10:10-10:30 A.M.

PSYCHOLOGY
11 A.M.-12:30 P.M.

*Maggie Carson, Career Development in Student Athletes. Mentor: Jonathan Roberts, Psychology; George Lantzounis, Career Services; Allison Lyon, Career Services; Jennifer Rushton, Athletic Department...........11 a.m.


Jeremy Haynes, Examining Relevant Information in Students’ Notes Recorded During and After a Lecture. Mentors: Nancy McCarley, Psychology; Joshua Williams, Psychology ........................................................11:40 a.m.

Magyn Pietrzykowski, “Antichrist Superstar:” An analysis of Marilyn Manson utilizing Carl Jung’s personality theory. Mentor: Julia Cochran, Psychology............... 12:10 p.m.

COMMUNICATION SCIENCES & DISORDERS
12:30-12:50 P.M.

*Jessica Mitchell, Changes in Perceived Quality of Life Following the Onset of Aphasia. Mentor: April Garrity, Communication Sciences & Disorders ........... 12:30 p.m.

PHYSICAL THERAPY & HEALTH SCIENCES
1:10-4:50 P.M.

**Asher Henry, Matthew Motes, Sarah Roberts, Scientific Basis Underlying Shoulder Exercises: Concentric, Eccentric, Ballistic, and Plyometrics. Mentors: George Davies, Physical Therapy; Nancy Wofford, Physical Therapy; Bryan Riemann, Health Sciences ........ 1:10 p.m.

^Stefan Schade, Comparison of Limits of Stability Testing on Static and Dynamic Surfaces. Mentor: Bryan Riemann, Health Sciences ........................................ 2 p.m.


**Alex Beebe, Greg Brackett, Jennifer Davis, Ly Tran, The Effectiveness of Low Volume Versus Very Low Volume Upper Extremity Plyo Exercises on Shoulder Performance. Mentors: George Davies, Physical Therapy; Bryan Riemann, Health Sciences; David Lake, Physical Therapy; Nancy Henderson, Physical Therapy ... 2:40 p.m.

**Remy Wilkins, Aimee Burdette, Emily Cattanach, Accuracy of Self-Perception of Footstrike During Running. Mentors: Nancy Henderson, Physical Therapy; George Davies, Physical Therapy ....................... 3 p.m.

**Anna Hayes, Jessica Headrick, Tony Huggins, Christina Maher, Brittany Sikes, A Comparison of Conservative Treatments for Plantar Fasciitis. Mentors: Anne Thompson, Physical Therapy; AndiBeth Mincer, Physical Therapy; Nancy Henderson, Physical Therapy; Kathleen Schaefer, Physical Therapy ...................... 3:30 p.m.

**Briana Hill, Socioeconomic Issues are the Catalyst for Rising HIV Rates in the South. Mentor: Sara Plaspohl, Health Sciences ......................... 3:50 p.m.

Malisha Moses and Shauntia Dyson, Life in the F.A.S.T. Lane. Mentor: David Adams, Health Sciences ... 4:10 p.m.

**Tatiana Eversley, Daniel Mauck, A Critique of Ebola Preparedness of a Level One Trauma Center in Southeast Georgia. Mentor: David Adams, Health Sciences.................... 4:30 p.m.

BALLROOM C

GEOGRAPHY
9:30-10:30 A.M.


Ashley Gholston, Reflections on the River Road: Undergraduate Research on Southern Plantations. Mentor: Amy Potter, Geography ....................... 9:50 a.m.

^Cameron Starr, Traces of the Gullah. Mentor: Amy Potter, Geography..........................10:10 a.m.

HISTORY
11 A.M.-12:50 P.M.


^Ayana Brown, Preserving Oral History. Mentor: Barbara Fertig, History...............................12:30 p.m.
**EDUCATION 4:10-6 P.M.**

Gryffen Andrews, Twitter and #Hashtag Mania in the Classroom. Mentor: Rebecca Wells, Middle and Secondary Education ................................. 4:10 p.m.

**Lindsay Freeman, Overcoming the Stigma of Special Education. Mentor: Regina Rahimi, Early Childhood Education ........................................ 4:30 p.m.

**Paul Sidney, High School Literacies for the Global Learner. Mentor: Regina Rahimi, Adolescent and Adult Education ........................................ 4:50 p.m.

**Marini Jackson, Interview with an Adult Learner. Mentor: Patricia Holt, Adolescent and Adult Education .... 5:20 p.m.

**Emma Ruby, Laptops and Literacy. Mentor: John Hobe, Childhood and Exceptional Student Education ... 5:40 p.m.

**OGEECHEE THEATRE**

**ART, MUSIC & THEATRE 9:30 A.M.-12:30 P.M.**

Erika Andres, Composing for a Woodwind Quintet. Mentor: Randall Reese, AMT................. 9:30 a.m.


Chelsey Drinkard and Rebecca Brown, Fanny Mendelssohn: A biographical and compositional study. Mentor: Emily Grundstad-Hall, AMT ..............10:10 a.m.

**Jarvis Dean, The Rebirth of Afrofuturism. Mentor: Deborah Jamieson, AMT.......................... 10:30 a.m.

Elizabeth Rhaney, Part 1: Activism is Sew Worth the Wait. Mentor: Deborah Jamieson, AMT......... 10:50 a.m.

Stephanie Sanders, Part II: Activism is Sew Worth the Wait. Mentor: Deborah Jamieson, AMT........11:10 a.m.

ShaeTeenhouse-Johnson, The Art of the GIF. Mentor: Rachel Green, AMT .................................. 11:30 a.m.

Ayanna Thompson, The Harlem Renaissance: the Power of Art in Society. Mentor: Deborah Jamieson, AMT ...Noon

**LANGUAGES, LITERATURE & PHILOSOPHY 12:30-4:30 P.M.**

^Julianna Delgado, Dos cuentistas mexicanas denuncian los estereotipos de género. Mentor: Nancy Tille-Victorica, Spanish ................................. 12:30 p.m.

^Rima Patel, Una denuncia de la opresión de la mujer en la obra de Rosario Ferré. Mentor: Nancy Tille-Victorica, Spanish ........................................ 12:50 p.m.

^Jessica Young, Pérdida de masculinidad en Los cachorros de Mario Vargas Llosa. Mentor: Nancy Tille-Victorica, Spanish ................................. 1:10 p.m.

*Angela Edwards, Subversive Masculinity in the Screen Image of Montgomery Clift. Mentor: Karen Hollinger, LLP ................................................. 2 p.m.

^Krystal McGuire, Which Witch is Which?: Magic and Power is Shakespeare’s The Tempest. Mentor: Beth Howells, LLP ........................................... 2:20 p.m.

^Maria Rios, Developing a High-Impact Fact Sheet for Learning Commons. Mentor: Christy Mrozecz, LLP; Robert Terry, LLP ........................................ 2:40 p.m.

*Julie Stedman, The Paradox of Trauma. Mentor: Hans-Georg Erney, LLP ................................ 3:30 p.m.


^Megan Netherland, Creating an Existential Defense for Assisted Suicide. Mentor: Jack Simmons, Philosophy ......................................................... 4:10 p.m.

**PRESIDENT’S DINING ROOM**

**WRITING AWARDS 9:30-10:45 A.M.**

**REACTING TO THE PAST PANEL 12:30-1:30 P.M.**

Discussing their experiences in courses taught by Allison Belzer, Beth Howells, and Chris Hendricks:

Harris Catcher
Jeffrey Howard
Abby Meert
Sergio Ortega-Gonzalez
Ashley Peterson
Sabrina Speace
Taylor Stokes
Michael Swanson
SKIDAWAY ROOM

CRIMINAL JUSTICE, SOCIAL & POLITICAL SCIENCE
9:30-10:50 A.M.

*Taylor Alvarez, Cybersecurity Initiatives in the Americas: Implications for US National Security. Mentor: Jose Da Cruz, CJSPS .........................................................9:30 a.m.

Gena Hoopaugh, Military Bases and Their Effects on the Economy. Mentor: Lara Wessel, CJSPS ...............9:50 a.m.


Jennifer Savary, Human Security in Iraq. Mentor: Nalanda Roy, CJSPS .........................................................10:30 a.m.

ECONOMICS
11 A.M.-1:30 P.M.

^David Hoover, Gender Effects on Voting Behavior in the Indian Polity. Mentor: Michael Toma, Economics; Yassaman Saadatmand, Economics..............11 a.m.


^Thomas Kavoori, Effects of the ACA on self-employment. Mentor: Dennis Barber, Economics ..............11:40 a.m.

^David Denison, For-Profit Schools and Student Loan Default Rates. Mentor: Michael Toma, Economics..............12:30 p.m.

^Steven Matthews, What Effects Do Regulation of Production and Distribution Have on the Number of Breweries in a State? Mentor: Michael Toma, Economics ........................................12:50 pm

^George Walker, Same-Sex Marriage in America: Does Education Affect Passage of Pro Same-Sex Marriage Laws? Mentor: Michael Toma, Economics.............1:10 pm

APRIL 17, 2015

POSTER PRESENTATIONS
NOON-2 P.M.

BALLROOM A, B & C


2. Cynthia Alexander, Attack behavior and capture techniques of larval antlions. Mentor: Jennifer Zettler, Biology


6. Fahad Altaf, The Golgi apparatus is key in the growth of the mold, Aspergillus nidulans. Mentor: Sara Gremillion, Biology


8. ** Lara Kate Anderson, Ashleigh Aubrey, Joint Communication Training of Individuals with Traumatic Brain Injury, Their Communication Partners, and Healthcare Professionals Versus Untrained Individuals. Mentor: April Garrity, Communication Science and Disorders

9. ** Megan Armbruster, Mor Osovsky, Effects of Educational Intervention on Dementia Caregivers. Mentor: April Garrity, Communication Science and Disorders

10. ** Brandi Bazemore, Elizabeth Finley, A Comparison of Constraint Induced Language Therapy and Music Therapy for Patients with Aphasia. Mentor: April Garrity, Communication Science and Disorders

11. ^ Christopher Belflower, Design and synthesis of novel chalcones as anti-cancer therapeutics. Mentor: Sarah Zingales, Chemistry and Physics


15. Angela Brown, Destiny Bynes, Investigating the role of phenotypic plasticity in Hydrocotyle bonariensis. Mentor: Heather Joesting, Biology


17. ^ **Emily Brunner, Desiree Fordham, Do insect exoskeletons serve as microbial protection for Cyphomyrmex rimosus fungus? Mentor: Jennifer Zettler, Biology; Aaron Schrey, Biology

18. Tecoya Brunner, Rita Massie, Erin Steele, Family Viewpoint on the Improvement of Quality of Life Treatment in People with Aphasia. Mentor: Jean Neils-Strunjas, Communication Science and Disorders


20. Yanairie Caraballo, Michael Underwood, Biocatalytic Reductions of Chalcone and Chalcone Derivatives. Mentor: Brent Feske, Chemistry and Physics


22. ^ Rebecca Carter, Kayla McKissick, How do students respond when their expectations are manipulated? Mentor: Ho Huynh, Psychology

23. Adela Casas, Optimization of reaction conditions for an amine dehydrogenase reaction and new substrate synthesis. Mentor: Brent Feske, Chemistry and Physics

24. ** Ashlee Casey, Yellow Jack in Savannah. Mentor: Ella Howard, History


27. ^ Hannah Clements, Replicating Social Psychological Findings. Mentor: Ho Huynh, Psychology


29. Joy Creighton, Chemosensory Detection by Black Widow Spiders (Latrodectus mactans). Mentor: Alex Collier, Biology; Brett Larson, Biology

30. Tiffany Cronin, Zachary Martin, Exercise Motivation. Mentor: Marshall Green, psychology

31. ** Breyana Davis, Evidenced Based Benefits Offered by Local Farmers’ Markets to Promote Public Health. Mentor: Sara Plaspohl, Health Sciences


33. ^ Shawna Defreitas, Morgan Lamb, Amanda Sanchez, Madison Sox, Madalynn Walker, Temporal and Spatial Comparison of Bacteria Present in Failed Loggerhead Sea Turtle Eggs on Jekyll Island, GA. Mentor: Jennifer Brofft Bailey, Biology; Kathryn Craven, Biology

34. Pallav Desai, Next-Generation Sequencing of the Florida Scrub Lizard. Mentor: Aaron Schrey, Biology

35. ** Victoria Do, Urban Renewal in Savannah: The Intersection of West Broad Street and Interstate 16. Mentor: Ella Howard, History


37. ** Ed Estrella, Weapon Development in the Cold War. Mentor: Ella Howard, History

38. Shane Farrar, Gunpreet Kaur, Haptics Enabled Simulation of Electromagnetic Forces. Mentor: Felix Hamza-Lup, Computer Science and Information Technology
39. Shane Farrar, Erik Leon, 3D Digitization of Patients for Interactive Medical Simulations. Mentor: Felix Hamza-Lup, Computer Science and Information Technology

40. ** Rebecca Farthing, Limiting Communication Modalities in Aphasia: Win, Lose or Draw? Mentor: April Garrity, Communication Science and Disorders

41. ^ Alexis Fields, Dane Zurwell, Synthesis, Structure, and Reactivity of Novel Ru(II)-cymene Complexes. Mentor: Brandon Quillian, Chemistry and Physics

42. Bridget Frederick, Next-Generation Sequencing of the Six-lined Racerunner. Mentor: Aaron Schrey, Biology

43. **Phyllis Fulton, Savannah’s Municipal Abattoir: A Digital Poster. Mentor: Ella Howard, History

44. Gabrielle Furrow, Kody Kirkland, An Improved Fabric Contact Sensor and Contact Sensitive Glove. Mentor: Wayne Johnson, Engineering Studies; Thomas Murphy, Engineering Studies

45. Diego Garcia, Synthesis of Metal Complexes with a CCC-Pincer Type Ligand. Mentor: Gary Guillet, Chemistry and Physics

46. Krystal Gelow, Karina Varela. Compare and Contrast of Theorists: Jacob Kounin and Alfie Kohn. Mentor: Nedra Cossa, Early Childhood Education

47. Tiffany Whetzel, Theresa Reilly, Myra Giddens, Jeremy Haynes, The Impact of Providing a Definition to Help Students Identify Relevant Content. Mentor: Nancy McCarley, Psychology; Joshua Williams, Psychology


49. ^ Merveille Grant, Data Analysis for learning and interest in Principles of BIOL 1107 L. Mentor: Geneva DeMars, Biology; Traci Ness, Biology


52. ^ Kayla McKissick, Jeremy Haynes, Tiffany Whetzel, Kelly Long, Danielle Mears, Kelli Middleton, Erin Mullin, The impact of feedback on students’ abilities to detect relevant information on PowerPoint slides. Mentors: Nancy McCarley, Psychology; Joshua Williams, Psychology


54. Cecilia Hernandez, Candace Poole, Characterizing substrate-specificity in the aldo-keto reductases, YHR104w and YOR120w. Mentor: Scott Mateer, Biology

55. ^ Kyle Hinton, Developing a spatial learning paradigm to determine the location of memory storage in adult zebrafish. Mentor: Robert Mans, Biology


57. ^Mathew Holmes, Measuring Carbon Dioxide Cycling in a Savannah Marsh Using Spectroscopy. Mentor: Sarah Gray, Chemistry and Physics

58. ** Hilary Hunter, Case Study of a Reader and Writer: An Analysis of a First Grade Student’s Literacy Skills and Needs. Mentor: Anne Katz, Early Childhood Education


60. * Nicholas Jackson, Charles Smith, The Feasibility of MRI-Infused Linear Accelerators. Mentor: Laurie Adams, Radiologic Sciences; Pamela Cartright, Radiologic Sciences

61. Mallory Jones, Courtney Lane, Kathryn Strickland, Letter Combinations. Mentor: Beth Childress, Childhood/Exceptional Student Education


63. ** Megan Kerkhoff, City of Savannah’s Wards through History. Mentor: Ella Howard, History

64. Jeffrey King, Calibration of and Simplified Operating Procedures for Open Source 3D Printers. Mentor: Ela Kaye Eley, Adolescent and Adult Education; Wayne Johnson, Engineering Studies
66. Cody Ledford, Travis Livingston, Distinguishing Adiantopsis radiata from New Species. Mentor: Melanie Link-Perez, Biology
67. Kelly Long, Kayla McKissick, Kelli Middleton, Tiffany Whetzel, History and Systems of Psychology as a Capstone Course. Mentor: Nancy McCarley, Psychology; Joshua Williams, Psychology
68. Alexis Lorbecki, Preparation and Isolation of 2,2-(bipyrazolyl)ethane. Mentor: Brandon Quillian, Chemistry and Physics
69. Thomas Ludwig, Ascertain Hybrid Origins and Parentage of Adiantopsis species. Mentor: Melanie Link-Perez, Biology
70. Kristopher Maedke-Russell, Robyn May, Apekchaya Pokharel, Charting Regime Shift in Diatom Communities. Mentor: Jay Hodgson, Biology
71. Robyn May, Kristopher Maedke-Russell, Apekchaya Pokharel, Regime Shift in Raccoon Key, Ossabaw Sound: Diatoms and Sediment Composition. Mentor: Jay Hodgson, Biology
72. Kim Mandigo, Amy Neely, Characterization of the Putative TMH2 Region within Human Perforin. Mentor: Mitch Weiland, Chemistry and Physics
73. Rakeila Manning, Caliban, the Black Man. Mentor: Beth Howells, Literature, Languages, and Philosophy
74. Sylvia Martin, Timothy Sheahan, Sara Wittenberg, Brenda Doulin, A Collaborative Portfolio in the Schools. Mentor: Barbara Serianni, Childhood/Exceptional Student Education
76. Emily Mathis, Chloe Webb, Quantifying Diamondback Terrapin DNA from Different Sample Types. Mentor: Kathryn Craven, Biology
77. Daniel Mauck, David DeSalvo, Vertical Transmission of Yellow Fever to Infants via Breastfeeding. Mentor: David Adams, Health Sciences
79. Amanda Merill, Reflections on a Reader and Writer: A Case Study Investigation of a Fifth Grade Student to Support Literacy Goals. Mentor: Anne Katz, Childhood and Exception Education
80. Pamela Metzger, Synthesis of chalcone analogs. Mentor: Sarah Zingales, Chemistry and Physics
82. Morgan Moore, Maya Wallace, Synthesis of a Chalcone Library for Anti-Cancer Therapeutics. Mentor: Sarah Zingales, Chemistry and Physics
84. Wairimu Muriuki, Relationship Between Family Problems and Disordered Eating and Body Dissatisfaction. Mentor: Wendy Wolfe, Psychology
85. Tammy Nguyen, Rishva Patel, Genotyping-by-Sequencing of the Southern Toad. Mentor: Aaron Schrey, Biology
86. Chidinma Okafor, Advantages of Health Promotion over Drug Dependency: Evidence Based Support. Mentor: Sara Plaspohl, Health Sciences
87. Jay Patel, B-N linkages formed between silylamines and dibromoborylferrocene. Mentor: Gary Guillet, Chemistry and Physics
88. Devlin Patrick, Bacon Park Peace Festival. Mentor: Ella Howard, History
89. Kaitlyn Patterson, Hannah Towhey, The Effects of Gratitude on Body Dissatisfaction. Mentor: Wendy Wolfe, Psychology
90. Cicely Payne, Analysis of Student Progress and Attitudes in the New LEAPS (Laboratories Engaging students in the Application of Science) Curriculum for Biology 1107 Lab. Mentor: Geneva DeMaris, Biology; Traci Ness, Biology
91. Lydia Peavy, Rebekah Robinson, Wais Mojadedi, A Streamlined Western Blot Exercise: An Efficient and Greener Approach in the Classroom. Mentor: Traci Ness, Biology; Mitch Weiland, Chemistry and Physics
93. **Elisabeth Pleasant, Kiera Rosa, Bridgette Woodard,** Outcomes of Treatment in the Non-Dominant Language versus the Dominant Language on Cross-Linguistic Generalization in Individuals with Bilingual Aphasia. Mentor: April Garrity, Communication Sciences and Disorders

94. ^Matthew Pozorski, Transitional Spaces. Mentor: John Hom, Art, Music, and Theatre

95. **Oliver Pratt,** Malaria and Savannah Containment. Mentor: Ella Howard, History

96. Alexandria Ragsdale, Next-Generation Sequencing of the House Sparrow. Mentor: Aaron Schrey, Biology

97. **Sarah Richardson, Staisha Riehl,** Effectiveness of Spaced Retrieval Training (SRT) on Improving Recall in Older Adults with Mild to Moderate Dementia. Mentor: April Garrity, Communication Science and Disorders

98. Rebekah Robinson, Mahmud Abdallah, Claudia Alvarado, Morgan Greenlee, Emily Norris, Jill Sharma, Candida Mannoproteins Activate TLR4-transfected Cells in a COX-2 Dependent Manner. Mentor: Traci Ness, Biology; Ronald Garner, Mercer University School of Medicine


100. ^Nicolas Rios, Brittany Whitley,* Survey of herbivorous insects for nitrogen fixing microbes. Mentor: Jennifer Brofft Bailey, Biology


102. **Natalie Shaw,** Concepts about Print: An Emergent Literacy Case Study. Mentor: Anne Katz, Early Childhood Education

103. Evelyn Shealy, Digging Savannah. Mentor: Laura Seifert, Criminal Justice, Social and Political Science

104. **Robert Slater,** Police Brutality - City of Savannah, GA. Mentor: Ella Howard, History

105. **Brittany Speller,** Digital History Approaches to Albinon’s Voice. Mentor: Ella Howard, History

106. ^Julie Stedman,* Reconstructing the Harlem Renaissance. Mentor: Michael Benjamin, History

107. **Kelsey Straka, Natalie Walls,** The Effectiveness of Imitative Therapy on Aprosodia. Mentor: April Garrity, Communication Sciences and Disorders

108. Dorey Thomas, Chemical Shifts of common laboratory Solvents in Dioxane-d8. Mentor: Brandon Quillian, Chemistry and Physics


110. John Trainor, Drugs and the Counter Culture. Mentor: Ella Howard, History

111. ^Blair Weaver,* Synthesis of a Natural Product Derivative. Mentor: Brent Feske, Chemistry and Physics


113. Juan Rodriguez Vazquez, The role of parental demographics on student achievement. Mentor: Nedra Cossa, Early Childhood Education

114. Cecilia Witt, 3D Printing in Graphic Design. Mentor: Angela Horne, Art, Music & Theatre

**SKIDAWAY ROOM**

**ORAL PRESENTATIONS**

**11 A.M.-NOON**

John Morgan Lamb and Brittany House, Stimulations of HEK293TLR4 Cells with Fractionated Proteomannan Leads to the Detection of an Inhibiting Component. Mentor: Ronald E. Garner, Mercer University School of Medicine.........................................................11 a.m.

Patience Plair, Toward a Saturated Insertion Library of the Varicella-zoster virus Portal Protein (pORF54). Mentor: Traci Ness, Biology; Robert J. Visalli and Melissa A. Visalli, Mercer University School of Medicine....11:20 a.m.

2014-2015 RESEARCH AND SCHOLARSHIP COMMITTEE

Student Research and Scholarship Subcommittee
Allison Belzer, Chair — History, CoLA Coordinator of Undergraduate Research
Scott Mateer, Chair — Biology, CST Coordinator of Undergraduate Research
    Mirari Elcoro — Psychology
    Jay Hodgson — Biology
    Debby Jamieson — Art History
    Anne Katz — Education
    Lauren McMillian — Library
    Amy Potter — Geography
Lara Wessel — Criminal Justice, Social & Political Science
Delana Gajdosik-Nivens — Associate Provost for Student Engagement and Success
    Sami Mastrario — M.A. Candidate, History
    Peyton Seabolt — B.A. Candidate, History

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