Armstrong Student SCHOLARS Symposium
Explore Engage Enlighten

APRIL 30, 2014 | 8 a.m. – 5:15 p.m.
Armstrong Atlantic State University
Student Union
**STUDENT SCHOLARS SYMPOSIUM**

April 30, 2014  
8 a.m.-5:15 p.m. | Student Union

**MORNING SESSIONS**

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<tr>
<th>Presentation Type</th>
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<tr>
<td>Art, Music &amp; Theatre Presentations</td>
<td>Ogeechee Theater</td>
<td>8:10 a.m.-noon</td>
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<tr>
<td>Biology Presentations</td>
<td>Ballroom A</td>
<td>8:30 a.m.-noon</td>
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<tr>
<td>Biology 4010 Poster Presentations</td>
<td>Atrium</td>
<td>10-10:50 a.m.</td>
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<tr>
<td>Chemistry and Physics Presentations</td>
<td>President's Dining Room</td>
<td>8:30-9:50 a.m.</td>
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<td>11-11:40 a.m.</td>
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<tr>
<td>Criminal Justice, Social and Political Science Presentations</td>
<td>Tybee Room</td>
<td>8:10 a.m.-noon</td>
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<tr>
<td>Economics Presentations</td>
<td>Ballroom C</td>
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<tr>
<td>History Presentations</td>
<td>Skidaway Room</td>
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<td>Literature, Language &amp; Philosophy Presentations</td>
<td>Ballroom C</td>
<td>9:50 a.m.-noon</td>
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<tr>
<td>Mathematics Presentation</td>
<td>Ballroom B</td>
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<td>Psychology Presentation</td>
<td>Ballroom A</td>
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<tr>
<td>Research Assistants Panel</td>
<td>President's Dining Room</td>
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<td>Writing Awards</td>
<td>Ballroom B</td>
<td>9:30-10:45 a.m.</td>
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**KEYNOTE SPEAKER**

Herb Childress  
Ogeechee Theater  
12:15-1 p.m.  
*Now What? Jobs, Careers, and Obsessions, in College and Beyond*

**LUNCH**

1 p.m.

**POSTER SESSION**

Ballrooms A, B, & C  
1:30-3 p.m.

**AFTERNOON SESSIONS**

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<tr>
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<tr>
<td>Art, Music &amp; Theatre Presentations</td>
<td>Ogeechee Theater</td>
<td>1:40-2:40 p.m.</td>
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<tr>
<td>Biology Presentations</td>
<td>Ballroom A</td>
<td>4-5 p.m.</td>
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<tr>
<td>Computer Science and Information Technology Presentations</td>
<td>Tybee Room</td>
<td>3-3:40 p.m.</td>
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<tr>
<td>Criminal Justice, Social and Political Science Presentations</td>
<td>Tybee Room</td>
<td>1:40-2:40 p.m.</td>
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<tr>
<td>Education Presentations</td>
<td>Ballroom C</td>
<td>4-5 p.m.</td>
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<td></td>
<td>Skidaway Room</td>
<td>4:30-5:10 p.m.</td>
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<td>Tybee Room</td>
<td>4-5 p.m.</td>
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<tr>
<td>Economics Awards</td>
<td>Ballroom B</td>
<td>4-4:30 p.m.</td>
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<th>Competition</th>
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<td>Monica Lewis Economic Policy Competition</td>
<td>Analysis of Immigration Policy</td>
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**History Presentations**  
Skidaway Room  
1:40-4:20 p.m.

**Health Sciences Presentations**  
President's Dining Room  
3-4:40 p.m.

**Physical Therapy Presentations**  
Ogeechee Theater  
3-4:20 p.m.
ORAL PRESENTATIONS

BALLROOM A

Psychology
8:10 – 8:30 a.m.
Katherine Gaskin, Katherine Field, and Hannah Clements, 
Spatial Geometry Learning: Encoding of relative Enclosure size by Touch. Mentor: Jonathan Roberts, PSYC...8:10 a.m.

Biology
8:30 a.m. – noon; 4 – 5 p.m.
Colleen Caro, Uncharted Terrain: Exploring Novel Plants for Botany Education. Mentor: Melanie Link-Perez, BIOL ..... 8:30 a.m.

Katherine Babineau and Chandler Goldman, The Miracle Tree. Mentors: Aaron Schrey, BIOL; Suzanne Carpenter, CHEM; Jonathon Roberts, PSYC ..................9:10 a.m.

Nicholas Ingebretsen, Epigenetic Genotyping-by-Sequencing to Explore Rapid Adaptation in House Sparrows. Mentor: Aaron Schrey, BIOL.............9:30 a.m.

Jacob Lee, Epigenetic response to invasive species: Short term potential of DNA methylation. Mentor: Aaron Schrey, BIOL...........................10 a.m.

Duong Vo and Tammy Nguyen, Ecological Epigenetics of Two Lizards from Habitats with Different Fire History. Mentor: Aaron Schrey, BIOL........................10:20 a.m.

Daniel Lee, Structure-Function Analysis of the Varicella-zoster Virus Portal Protein (ORF54). Mentors: Traci Ness, BIOL; Robert Visalli (Mercer); and Melissa Visalli (Mercer)....11 a.m.

Sharma Mrinali, Kinetic Characterization of 2,3-Bisphosphoglycerate Mutase (BPGM). Mentors: Traci Ness, BIOL and James Knapp, BIOL ...............11:20 a.m.


Morgan Lamb, Madalynn Walker, and Anthony Hawkins, Detection of Fusarium in Failed Loggerhead Sea Turtle (Caretta caretta) Eggs from Jekyll Island, GA. Mentors: Jennifer Brofft Bailey, BIOL and Kathryn Craven, BIOL .. 4 p.m.


Caryn Nelson, Adverse Effects of smoke-induced Endoplasmic Reticulum Stress on inflammation, small airway fibrosis, and air space enlargement. Mentor: Sarah Gremillion, BIOL ........................................4:40 p.m.

BALLROOM B

Mathematics
8:30 – 8:50 a.m.
Joseph DiNatale, The Electronic Computation of Simple Perfect Squared Squares. Mentor: Joshua Lambert, MATH..... 8:30 a.m.

Writing Awards
9:30 – 10:45 a.m.

Economic Awards
4 – 4:30 p.m.

Monica Lewis Economic Policy Competition 2014 Winner: Analysis of Immigration Policy ............................................4 p.m.

BALLROOM C

Economics
8:10 a.m.– 9:50 a.m.

David Hoover, I Feel Like Shooting Myself in the Face after taking this God-forsaken Class: The Effects of RateMyProfessors.com on University Course Registration. Mentor: Michael Toma, ECON ...................................................8:10 a.m.

Volha Kalodzitsa, What factors affect life expectancy from 2007 to 2009 in countries in European Union. Mentor: Michael Toma, ECON ........................................8:50 a.m.

Maria Isabella Olmos, The Brand Name Content of NCAA Conference Name and Student Graduation Rates. Mentor: Michael Toma, ECON ........................................8:50 a.m.

Justin Farquhar, Factors Influencing the Location Choices of Immigrants. Mentor: Richard McGrath, ECON ....... 9:30 a.m.

Literature, Language, and Philosophy
9:50 a.m. – noon


Ayanna Thompson, Space and Perception. Mentor: Lauren Mason, LLP ..........................9:50 a.m.

Angela Edwards, High Art Aspirations in the Horror Films of Val Lewton. Mentor: Karen Holinger, ENGL .........11 a.m.


Duong Vo, The Universal Principles of Evolution. Mentor: Jack Simmons, PHIL..............................11:40 a.m.
OECECHEE THEATER

Art, Music & Theatre
8:10 a.m. – noon; 1:40 – 2:40 p.m.
Margie Bach, Mythology and the Visual Arts: A Collaboration BFA Project. Mentor: John Jensen, AMT .................8:10 a.m.
Lisa Co, Historical Woodcut Techniques applied to Modern Illustration. Mentor: Rachel Green, AMT ..............8:30 a.m.
Britney Prince, The Art of 3D Printing. Mentor: Angela Horne, AMT .................................................8:50 a.m.
Erik Hanson, Exploring Heroism Through Women in the Visual Arts, Part I. Mentor: Deborah Jamieson, AMT .......9:30 a.m.
Britney Prince, Exploring Heroism Through Women in the Visual Arts, Part II. Mentor: Deborah Jamieson, AMT .......9:50 a.m.
Patricia Conover, Art and Science: The Dividing Line. Mentor: Deborah Jamieson, AMT .............................10:10 a.m.
Erik Hanson, Communication Breakdown: That Which Conveys to the World. Mentor: Deborah Jamieson, AMT ........11 a.m.
Elizabeth Rhaney, Inside the World of Lee Krasner. Mentor: Deborah Jamieson, AMT .............................11:20 a.m.
Ebone’ Robinson, Harriet Tubman: Unveiling the Woman Warrior, Spy, and Healer. Mentor: Elizabeth Desnoyers-Colas, AMT .................................................11:40 a.m.
Tamarra Daguisan, Composing for a Single Line Instrument. Mentor: Randall Reese, AMT ..............................1:40 p.m.
Stephen Medlar, What was the Composer Thinking, and Why Should I Care? Mentor: Randall Reese, AMT and Stephen Primatic, AMT ............................................2 p.m.
Kenneth Mosely, Setting a Satirical Text to Music. Mentor: Randall Reese, AMT .................................................2:20 p.m.

Education
4 – 5 p.m.
**Jessica Boland, Harry Potter Narrative Writing Unit. Mentor: Regina Rahimi, EDUC ........................................4 p.m.
**Alyse Meador, Marking C Isn’t for Me: Examining the Impact of Assessment in America’s 21st Century Schools. Mentor: Regina Rahimi, EDUC ..........................4:20 p.m.
**Allyson Morgan, Problem Based Learning in the English Language Arts Classroom. Mentor: Regina Rahimi, EDUC .............................................4:40 p.m.

Physical Therapy
3 – 4:20 p.m.
**Clint Crawley, Mike Finlay, and Caitie Paskewich, The Effects of Unloading on Participants with Knee Pain. Mentors: George Davies, PT, Julie Shappy, PT, David Lake, PT .................................................3 p.m.
**Gregory Halbart and Danielle Burkett, A Comparison of Isolated Total Leg Strengthening vs Functional Training on Strength, Balance, and Agility in Healthy Individuals. Mentor: George Davies, PT and David Lake, PT ...3:20 p.m.
**Kyra Marshall and Tessa Elliott, The Effect of Sitting on Exercise Balls on Non-Specific Lower Back Pain and Core Endurance. Mentors: George Davies, PT and David Lake, PT .................................................3:40 p.m.
**Kari Hodgdon and Sarah Davis, The Effects of Hip Abductor and External Rotator Fatigue in Patients With Patellofemoral Pain Syndrome, Compared to Healthy Individuals. Mentor: Nancy Wofford, PT ..............................4 p.m.

Chemistry and Physics
8:30 – 9:50 a.m.; 11 – 11:40 a.m.
Oneida Eleni Muniz and Lance Michon Craig, The Isolation of Potential Antimicrobial Compounds from Tillandsia usneoides. Mentors: Suzanne Carpenter, Chemistry and Physics and Richard Wallace, Chemistry and Physics ............................8:30 a.m.
Kyle Hillis, X-Ray Diffraction analysis of various crystalline N-oxide halogen bond complexes. Mentor: Clifford Padgett, Chemistry and Physics .........................9:10 a.m.
Nathan Peek, Iron complexes of tris-1-ethyl-4-methylimidazolylphosphine, synthesis and structure determination. Mentor: Will Lynch, Chemistry and Physics .................................9:30 a.m.
Thomas Reams and Ryan Oliff, Biocatalytic reduction of a non-aromatic nitro group by a nitroreductase from Salmonella typhimurium. Mentor: Brent Feske, Chemistry and Physics .................................11 a.m.
Desiree Chace, Mrinali Sharma, Dorey Thomas, and Amanda Murrell, One-pot Dehydration and Oxidative Co-dimerization of Benzyl Alcohols with Silver Trilflate. Mentor: Brandon Quillian, Chemistry and Physics .........................11 a.m.

Research Assistants Panel
10 - 10:45 a.m.
Tannie Arnsdorff, Mentor Allison Belzer, History
Melissa Bates, Mentor Lara Wessel, CJSPS
Victoria Do, Mentor Chris Curtis, History
Brittany Speller, Mentor Ella Howard, History
Kristina Williams, Mentor Amy Potter, Geography
Matthew Park, Mentor Priya Goeser, Engineering
**Health Sciences**  
3 – 4:40 p.m.

**Kirsten Boessneck, Biomechanical Analysis of the Kettlebell Swing in Women.** Mentor: Bryan Riemann, Health Sciences………………..3 p.m.

**Samantha Greene, Comparison of neutral, wide and plié stances on hip adduction kinematics during squatting.** Mentor: Bryan Riemann, Health Sciences…………3:20 p.m.

**Matthew Kenreich, Lead limb selection during drop jumps affects initial vertical ground reaction force symmetry.** Mentor: Bryan Riemann, Health Sciences…………3:40 p.m.

**Amanda Mitchell, Comparison of Upper Extremity Muscle Activation Between Different Inertial Exercise Equipment.** Mentor: Bryan Riemann, Health Sciences…………4 p.m.

**Nicholas Hipko, Effects of ball mass on plyometric throwing exercise intensity.** Mentors: Bryan Riemann, Health Sciences and George Davies, Physical Therapy……4:20 p.m.

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**SKIDAWAY ROOM**

**History**  
8:10 a.m. – noon; 1:40 – 4:20 p.m.

**Sami Mastrario, “Our family is a little world:” The Relationships and Political Ideas of a Radical Nineteenth-Century British Family, 1840-1890.** Mentor: Allison Belzer, HIST ……………………………………8:10 a.m.

Ryan Barnes, Fictional Utopia or Undiscovered Paradise: Atlantis. Mentor: Michael Price, HIST ……………………………………8:30 a.m.

Stephanie Thompson, I Thought There Would Be Answers: The Mysterious Great Sphinx of Giza. Mentor: Jason Tatlock, HIST ……………………………………8:50 a.m.

John Potter, Dude, Where are the Hanging Gardens? Mentor: Jason Tatlock, HIST ……………………………………9:30 a.m.

Hudson Ogburn, The Ten Lost Tribes: Facts and Fiction. Mentor: Jason Tatlock, HIST ……………………………………9:50 a.m.

Justin Berardi, Troy: Modern Implications of an Ancient City. Mentor: Jason Tatlock, HIST ……………………………………10:10 a.m.

Tannie Arnsdorff, Herodotus: Historian and Popular Culture Guru. Mentor: Jason Tatlock, HIST ……………………………………11 a.m.

Eric Curry, Ritual killings & Human Sacrifice in the Ancient Near East as Portrayed in Black Metal Music. Mentor: Jason Tatlock, HIST ……………………………………11:20 a.m.


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**Education**  
4:30 – 5:10 p.m.

**Jordan Purser and Megan Lloyd, Co-Teaching a Poetry Unit to a Modern Classroom.** Mentor: Regina Rahimi, EDUC ……………………………………4:30 p.m.

**Meaghan Singletary, Educational Assessment: Gauging Student Learning From the Classroom to the International Stage.** Mentor: Regina Rahimi, EDUC ……………………………………4:50 p.m.

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**TYBEE ROOM**

**Criminal Justice, Social & Political Science**  
8:10 a.m. – noon; 1:40 – 2:40 p.m.

Nader Amer, Examining Darfur in Relation to Globalization. Mentor: Nalanda Roy, CJSPS ……………………………………8:10 a.m.

Jessica Brown, Chinese Investment into African Infrastructure: Leech or Lender? Mentor: Nalanda Roy, CJSPS ……………………………………8:30 a.m.

Haddy Gassama, Courting a Continent. Mentor: Nalanda Roy, CJSPS ……………………………………8:50 a.m.

April Hannon and Casey Cox, Divided and Jaded: Are Burma’s competing ethnic nationalisms the cause of Burma’s disunity? Mentor: Nalanda Roy, CJSPS ……………………………………9:30 a.m.

Deontray Hicks, Assassination in Modern Society. Mentor: Nalanda Roy, CJSPS ……………………………………9:50 a.m.
Matthew Hunt, *The Fall of the Samurai*. Mentor: Nalanda Roy, CJSPS.................................10:10 a.m.

Derek Lartey-Yiung, *Cyber Security*. Mentor: Nalanda Roy, CJSPS......................................................11 a.m.


Zandrill Ellis, *The Effectiveness of Rape Shield Laws in Georgia*. Mentor: Lara Wessel, CJSPS .................1:40 p.m.

Nathan Rich, *Georgia Dream Act, a proposed policy memo*. Mentor: Kathleen Burke, CJSPS..........................2 p.m.


**Computer Science and Information Technology**

3 – 3:40 p.m.

Dustin Schie and James Liljenquist, *An Exploration of Video Processing and Wireless Communication to Facilitate Multi-robot Coordination*. Mentor: Ashraf Saad, CSIT .................3 p.m.

Kayla Weaver, *Learning Braille Visually*. Mentor: Ashraf Saad, CSIT......................................................3:20 p.m.

**Education**

4 – 5 p.m.

Karina Varela, *Military Families*. Mentor: Regina Rahimi, EDUC .............................................................4 p.m.

**Amber Brown, Teens for Literacy Project: Middle School Students as Literacy Leaders*. Mentor: Anne Katz, EDUC .................................................................4:20 p.m.


**POSTER PRESENTATIONS**

**ATRIUM**

**BIOL 4010: Evolution Poster Session**

10 – 10:50 a.m.


24. **Autumn Chapman, What are the effects on student writing when using a daily journal to script thoughts on open-ended topics?** Mentor Patricia Norris-Parsons: EDUC


26. Lauren Cobb, *Perception & Goal-Directed Reaching in Infants*. Mentor Joshua Williams, PSYC

27. **Janna Coker, Jenna Hinkle, and Rebecca Pruitt, The Benefits of Group Therapy for Adults with Dementia.** Mentor April Garrity: CSDS


31. **Abigail DeLuca, Amanda Iaconianni, and Rochelle Withem, Does treatment utilizing group reminiscence therapy techniques increase functional communication skills in individuals with dementia in comparison to individuals that do not receive reminiscence therapy?** Mentor April Garrity: CSDS

32. Alejandro Diaz, *Creating 3D Molecule Models with 3D Printer*. Mentor Scott Mateer, BIOL

33. Bridget Devlin, Manuel O’Canas, *Critical Evaluation of the U.S. Coastal Site for Electricity Generation using the Undulating Motion of Waves*. Mentor Priya Goeser, ENGR

34. **Laina Dinneen and Amber Manning, Effects of TANDEM Caregiver Training Strategy Compared to RECAPS/MESSAGE Training Strategy for Caregivers of Populations with Dementia.** Mentor April Garrity: CSDS


39. Ashlynn Dykes and Todd Hizer, Exploring the Chlorination of Diethyl cyanomethylphosphonate. Mentor Brent Feske: Chemistry and Physics


41. **Anna Ferraro and Ashlee Wilcox, The Potential Successes of Neuroplasticity in the Rehabilitation of Patients with Chronic Aphasia. Mentor April Garrity: CSDS

42. Katharine Field, Learning in the Painted Lady Butterfly. Mentor Mirari Elcoro, PSYC

43. Alexis Fields and Morgan Connor, Heavy Metal Remediation using Hydrogels. Mentor Catherine MacGowan: Chemistry and Physics

44. Bridget FrEDUCrick, Population Genetics of the Six-lined Racerunner. Mentor Aaron Schrey: BIOL


46. **Tamara Fry, Gender Gap in Reading Achievement. Mentor Patricia Norris-Parsons: EDUC

47. **Abigail Futch, Portrait of a First Grade Reader: An Analysis of an Informal Reading Inventory. Mentor Anne Katz: EDUC

48. Andrew Goetz, Design and Synthesis of Small Molecule Chalcone Analogs as Anti-Cancer and Anti-Bacterial Therapeutics. Mentor Sarah Burroughs-Zingales: Chemistry and Physics

49. **Ryan Goetz, Assessment of the Effectiveness of the Cancer Assessment Tool (CAT) in Generating Mammogram Referral and Screening Completion in a Medical Clinic for Underserved Populations. Mentor Sandy Streater: Health Sciences


52. **Sarah Hackney, Case Study of a Reader and Writer: An Analysis of a Third Grade Student's Literacy Skills and Needs. Mentor Anne Katz: EDUC

53. John Haddock, Preparation and Deprotonation of Bis(pyrazolyl)acetate (BPA) and Bis(methimazolyl) acetate (BMA) Ligands. Mentor Brandon Quillian: Chemistry and Physics

54. Britton Hammel-Cobb and Harold Morgan, Using mutagenesis on G23 and Y64 in the yeast gene YDL124w to understand the catalytic activity of this aldo-keto reductase. Mentor Scott Mateer: BIOL

55. **Rhonda Harris, Evaluating the new law change for no prescription for the emergency contraceptive pill: An analysis among MPH college students. Mentor Sara Plaspohl: HEALTH SCIENCES


57. Jeremy Haynes, Samantha Cain, Jenna Birch, and Amanda Laurelli, Study Methods for Learning from Textbooks. Mentors Joshua Williams and Nancy McCarley: PSYC

58. Cecilia Hernandez and Alexander Merrit, Effects on enzyme activity through investigation of amino acid residues 207Y and 268A in yeast enzyme YDL124w. Mentor Scott Mateer: BIOL


60. Adam Holloway, Christopher Stephens, Joshua Suttle, and David Twibell, Analysis of an Assisted Dip/Chin-up Machine. Mentor Priya Goeser: ENGR

61. Mathew Holmes and Sarah Shafer, Mentor Sarah Gray: Chemistry and Physics


63. Victoria Howard, The South Eastern Theatre Conference. Mentor Peter Mellen: AMT

64. **Kevin Huet, Effects of Standing vs. Seated Position on HR Palpation Accuracy Following a 3-min Step Test. Mentor Andy Bosak: HEALTH SCIENCES
65. Megan Jerome, *The Correlation between Corruption and Government Efficiency: Case Study India*. Mentor Lara Wessel: CJSPS

66. Andrew Jones, *The Relevance of Neutrality in International Relations*, Mentor Nalanda Roy: CJSPS


69. **Margaret Loftus, Sarah Hawkinson, and Laura Mcintyre, *The Benefits of Gesture Therapy in Persons with Aphasia*. Mentor April Garrity: CSDS

70. Ryan Logan, Talia Williams, Katrina Goff, and Jacob Blair, *The Antimicrobial Activity of Spanish Moss*. Mentor Denene Lofland: Medical Laboratory Sciences


72. **Lauren Lovett, *Snapshot of a Reader: A Case Study Approach*. Mentor Anne Katz: EDUC

73. Thomas Ludwig and Desiree Adams, *Distinguishing Adiantopsis alata from A. radiata through isolation and amplification of genomic DNA*. Mentor Melanie Link-Perez: BIOL

74. Linda Madala, *Research Findings Implementing Higher Order Thinking Skills*. Mentor Patricia Norris-Parsons: EDUC

75. Carina Izabela Marinho, *Contrasting Hydrodynamics of a Conical Head-Shaped Shark with Hammerhead Sharks*. Mentor Austin Francis: BIOL

76. Emily Mathis, *Who’s Your Daddy?: The Frequency of Multiple Paternity in Carolina Diamondback Terrapins*. Mentor Kathryn Craven: BIOL

77. Christina Miller, *Epigenetic Variation Among Bluegill Sunfish in Power-cooled Lakes*. Mentor Aaron Schrey: BIOL


81. Wais Mojadedi, Tobias Friedrich-Moe, and Anna Tran, *Preliminary Results for the Expression of a Soluble FAM5C Truncate*. Mentor Mitch Weiland: Chemistry and Physics

82. Amanda Murrell, *Functionalization of Tetraethylene Glycol (TEG) for Specific Binding of Gold Nanoparticles*. Mentor Brandon Quillian: Chemistry and Physics

83. Leticia Nascimento, Richard Evans, and Michelle Zhang, *Conservation Genetics of the Florida Scrub Lizard*. Mentor Aaron Schrey: BIOL

84. **Nyssa Owen, *Impact of the Spanish Influenza Pandemic of 1918 on Savannah*. Mentor Sara Plasphol: Health Sciences

85. Zachary Owens and Jeremy Smith, *Site Directed Mutagenesis of YDL124w*. Mentor Scott Mateer: BIOL


87. James Parker, Kaitlyn Patterson, and Robert Altman, *History and Systems as a Capstone Course*. Mentor Joshua Williams and Nancy McCarley: PSYC


89. **Kaitlyn Patterson, *Testing Mediation in the Relationship between Body Dissatisfaction and Disordered Eating*. Mentor Wendy Wolfe: PSYC

90. Candace Poole, *Characterizing Substrate-specificity in the aldo-keto reductases, YHR104w and YOR120w*. Mentor Scott Mateer: BIOL


94. Anthony Ravita and Rachel Thompson, *Who is Important in the COG Complex of Fungi?*. Mentor Sara Gremillion: BIOL
95. Melina Raymundo and Nathan Peek, *Transition Metal Isoquinoline N-oxide Complexes, a Novel Class of N-oxide Structures*. Mentor Will Lynch: Chemistry and Physics

96. **Allyson Riley, Velocity Spectrum Torque Testing of Shoulder Internal Rotators. Mentor Bryan Riemann: Health Sciences**

97. **Laura Ringler, Gesture or Melodic Intonation Therapy for Aphasia? Mentor April Garrity: CSDS**

98. Esmeralda Rivas-Torres, *Enzyme Stereoselectivity and Substrate Specificity of Yeast Reductase YDL124w*. Mentor Scott Mateer: BIOL


100. Haley Roennebeck and Apekchaya Pokharel, *Site-Specific Mutagenesis of YDL124w to Gain a Better Understanding of its Catalytic Activity*. Mentor Scott Mateer: BIOL

101. Gladys Magana and Rebekah Sapp, Savannah, *Georgia’s HOPE VI Reconstruction: Was it Effective in Increasing the Employment Rate? Mentor Michael Toma: ECON*


104. Delia Singleton, *Difluorination of (2-Nitroethyl) benzene for Enzymatic Purposes.* Mentor Brent Feske: Chemistry and Physics

105. Caroline Smead, *Comparative Head Hydrodynamics of Hammerhead Sharks*. Mentor Austin Francis: BIOL

106. Lindsey Snopek, *Comparison of Ants for Use in Robotic Study*. Mentor Ashraf Saad: ENGR

107. Lindsey Snopek, *Use of Virtual Games in Treatment of Children with Cerebral Palsy*. Mentor David Lake: PT

108. **Genna Speed, *The Impact of a Delirium Educational Intervention with ICU Nurses.* Mentor Helen Taggart: NURS**


111. Gestine Tablada, *Yoga for Chronic Back Pain*. Mentor David Lake: PT

112. Matthew Tipton and Joy Creighton, *Study of Catalytic Activity of Mutated Aldose Reductase, YDL124w, Employing Setic and Electrostatic Hindrance Within the Active Site*. Mentor Scott Mateer: BIOL

113. Anna Tran and Ryan Goetz, *Development of an Undergraduate Biochemistry Laboratory Experiment: Protein Purification*. Mentor Mitch Weiland: Chemistry and Physics

114. Duong Vo and Emma Makatura, *Molecular Mutagenesis to Understand the Effects of Catalytic Activity*. Mentor Scott Mateer: BIOL

115. **Shaileen Wallani and Britta Sterling, *Evaluation of Clinical Measures Used to Treat Patients with Left Neglect Due to Damage in the right Cerebral Hemisphere*. Mentor April Garrity: CSDS**

116. Blair Weaver, *Synthesis of the Pharmaceutical Bepreve using biocatalysis as the key asymmetric step*. Mentor Brent Feske: Chemistry and Physics

117. Allison Williams, *Domain swapping of the N-terminus of YJR096w and YBR149w*, Mentor Scott Mateer: BIOL


**Graduate Student Presentation**
2013-2014 RESEARCH AND SCHOLARSHIP COMMITTEE

Student Research and Scholarship Subcommittee
Allison Belzer, Chair – Assistant Professor of History
Priya Goeser – Associate Professor of Engineering
Deborah Jamieson – Associate Professor of Art History, AMT
Leon Jaynes – Assistant Professor of Physics
Floyd Josephat – Assistant Professor of Medical Laboratory Science
Jay Hodgson – Assistant Professor of Biology
Lara Wessel – Assistant Professor of Political Science, CJSPS
Nalanda Roy – Assistant Professor of Political Science, CJSPS

Student Representatives
Sami Mastrario – MA candidate, GA for Undergraduate Research
Tannie Arnsdorff – History BA candidate, undergraduate student worker for Undergraduate Research

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Lindsey Murphy, symposium tagline concept