

## Poster Session 2

1. *The Representation of Women and Minorities in Science*  
Paris Gilstrap and Ronald Doel, Florida State University
2. *Genetic Engineering of KSHV to Study the Role of Individual Lytic Viral Genes*  
Juan Alonso and Zsolt Toth, University of Florida
3. *Synthesis*  
Zachary Mease and Sheila Goloborotko, University of North Florida
4. *Seasonal Changes in Male Size and Alternative Mating Tactics in Sailfin Mollies (Poecilia latipinna)*  
Ivonne Arriola Mendieta and Kimberly Hughes, Florida State University
5. *Role of Zip8 in Iron Metabolism During Iron Deficiency*  
Alexandra C. Barrett, Supak Jenkitkasemwong and Mitchell D. Knutson, University of Florida
6. *Modernity Meets Mythology: How Capitalism and the Anaconda Intertwined in the Peruvian Amazon*  
William Boose and Robinson Herrera, Florida State University
7. *Perinatal Hospice: A New Model for Newborn End-Of-Life Care*  
Elena Abascal and Sally Karioth, Ph.D., R.N., Florida State University
8. *Building Cultural Awareness: The Impact of an Online Educational Resource on U.S. College Students' Stigmas and Predetermined Stereotypes of International Students*  
Nayah Boucaud, Carole Beal and Sophia Acord, University of Florida
9. *Chromatin Control of an Oncogenic Herpesvirus in B Cell Lymphoma*  
Thomas Nguyen and Zolt Toth, University of Florida
10. *Queering the Canon: New Readings through New Technologies*  
Noah Oakley and Juliet Lauro, University of Tampa
11. *Fake News: Right-Wing Media Watchdogs in the 1980s*  
Zachary Brown and Louise Newman, University of Florida
12. *Creative Entrepreneurship Pedagogy*  
Talise Burton and Meredith Hand, Florida State University
13. *Improved Abrasives for Manufacturing Photovoltaic Silicon Wafers*  
Rebecca Ashley, University of Central Florida, Arkadeep Kumar and Shreyes Melkote, Georgia Institute of Technology

14. *DNA Barcoding as a Pathway to Explore Plant Biodiversity*  
Balaji Chandrasekar, Justin Santiago and Nalini Odapalli
15. *Achieving Precise Stoichiometry in Complex Oxide Thin Films*  
Samuel A. Coker, Caitlin S. Kengle, Robert J. Dawson and Maitri Warusawithana,  
University of North Florida
16. *The Seasonal Abundance of Endo- and Ecto- Commensal Associates of Styela plicata in Tampa Bay*  
Christa Edwards, Samantha Courtney and Kristine White, University of Tampa
17. *Bioactive Phytochemicals in Native Florida Plants*  
Charles Crawford and Scott A. Herber, Eastern Florida State College
18. *Prevalence and Risk Factors of Helicobacter pylori Infection among Students, Faculty, and Staff at the University of Central Florida*  
Evan Holsonback and Suha Saleh, University of Central Florida
19. *Lanthanide Doped Phosphors for Solid State Lighting*  
Ethan Curling, David Hardy and Geoffrey Strouse, Florida State University
20. *The Effects of Political Trust and Foreign Investment on Immigration Attitudes*  
Jonathan Guarine and Joshua Scriven, Florida State University
21. *Media Representation of Today's Students in Film: Exploring Race and Gender*  
Lauren Davids and Jelena Petrovic, Stetson University
22. *Creating a Smaller Synthetic Muscleblind-like 1 Protein*  
Ryan Day and Andrew Berglund, University of Florida
23. *An Investigation of the Antioxidant Property, Scavenging Activity and Total Flavonoid Content of Methanolic Plant Extracts of Brassica oleracea var. sabauda, Helianthus agrestis, and Murraya koenigi*  
Monica De Varona Torras, Herby Sainthilaire and Yaelis Rivas, Florida International University
24. *Old MacDonald's Lies: The Truth Behind an Omni Diet*  
Mia Ingrid Cabotaje and Adrienne Mathews, Valencia College
25. *What is the Role of Cultural Competency on Implicit Bias and Health*  
Tomaiah Bradley and Latarsha Chisholm, University of Central Florida
26. *Steady-State Droplet Evaporation: Laplace Pressure Contributions to the Evaporation Rate of Microdroplets on Heated Surfaces*  
Chance Brewer and Shawn Putnam, University of Central Florida

27. *Fighting Fire with Fire in the Uprising of Antibiotic Resistance: Extracting Secondary Metabolites from Marine Bacterium, Zooshikella sp., for Antibiotic Isolation and Purification*  
Jessica Dobbs, Seth Hale and Eric Warrick, State College of Florida Manatee-Sarasota
28. *Variation of Extraction Conditions for Selective Lanthanide Chelation Utilizing Tripodal CMPO Ligands*  
Emily Connor, Andrew Mulville, Alyssa Henry, Shannon Biros and Eric Werner, University of Tampa
29. *An Investigation of Dual Inclusion of Nanoparticles in the Construction of Flexible Armor*  
Reinaldo Dos Santos and Hassan Mahfuz, Florida Atlantic University
30. *Political Ecology of Medicinal Plant Use in Rural Nepal: Globalization, Environmental Degradation, and Cultural Transformation*  
Emily Dovydaitis and Rani Vajravelu, University of Central Florida
31. *Foraging Depth of Whale Shark Opsins*  
Regan Ewald and Jeffrey Fasick, University of Tampa
32. *Gait Disturbances as Predictors of Dementia of the Alzheimer's Type (DAT)*  
Paula Paseiro-Nunez, Genevieve Ferguson, Sabrina Cajuste, and Chorong Oh, Florida State University
33. *Deconstruction of the Romantic Comedy in Crazy Ex-Girlfriend*  
Mary Crivelli and Barry Mauer, University of Central Florida
34. *An Assessment of Forest Structure Within Belize's Vaca Reserve*  
Jesse Frazier, Donald Hodges, and Michael Andreu, University of Florida
35. *Title removed per request of author*
36. *Phosphorylation of Anabaena Sensory Rhodopsin Transducer towards Putative Signaling State Mediated Protein-Protein Cross Talk*  
Aakriti Gautam and Vishwa Trivedi, Bethune Cookman University
37. *The Prevalence of Sex Trafficking in the United States*  
Kiersten Klein and Shinwoo Choi, University of North Florida
38. *DNA Barcoding for Plant Taxonomy*  
Alejandra Gomez, Justin Santiago and Nalini Odapalli, Valencia College
39. *Inheritance of Laterality in the Fruit Fly Drosophila melanogaster*

Samantha Deleon, Rachel Angulo, Kailyn Belle Isle, Amanda Escalera, Fabian Ramos, Jovelyne Charles, Danielle Siddons, Sparkel James, Gabriela Garcia, Lillian Jiron, Emily Londono, Kyra Carter, Ashley Franklyn and Michael Robinson, Barry University

40. *Public Relations and the Color Line: Discovering the Forgotten Names and Faces in the Profession*  
Gino Cyrus and William Berry, Bethune-Cookman University
41. *Disease Avoidance Mechanisms Affect Women's Preferences for Symmetrical Male Faces*  
Alexandria Gonzalez and Sarah Ainsworth, University of North Florida
42. *Examining Characteristics of Worry in Relation to Depression, Anxiety, and Suicidal Ideation*  
Julia Gorday, Megan Rogers and Thomas Joiner, Florida State University
43. *Xylan Binding of Anabaena Sensory Rhodopsin Transducer: Link to Novel Small-Molecule Binding Domain Family Anabaena Sensory Rhodopsin Transducer [ASRT]*  
Tashmay Jones and Vishwa Trivedi and Renee Walker, Bethune Cookman University
44. *How Online Searches Affect Attitudes Toward Mental Health Treatment: Preliminary Results*  
Forrest Harrison, Andrea Brunetti, Hannah Cox, Gabrielle Espert, Branden Rivera, Cynthia Gangi and Erica Yuen, University of Tampa
45. *Barcoding Plants Using DNA*  
Jasleen Hernandez and Nalini Odapalli, Valencia College, West Campus
46. *Survey of Stilbene Analogues in Mesenchymal to Epithelial Transition on TNBC*  
Megan Keller, Domingo Alvarez and Lyndsay Rhodes, Florida Gulf Coast University
47. *Not on My Lawn: The Effects of Minnesota's Phosphorus-Free Fertilizer Law on Surface Water Quality*  
Andrew Hutchens and Zach Raff, University of Central Florida
48. *Loss of Neurofibromin During Development Increases Grooming in Drosophila*  
Chevara Joseph, Lanikae King and Seth Tomchik, Florida Atlantic University Honors College
49. *Self-Monitoring and Synchrony: Individual Differences in Communicating with New Acquaintances*  
Arielle Kantor, Jordan Kessler and Christopher Leone, University of North Florida
50. *Personality and Team Roles*  
Tia Larsen-Calcano and Albert Boque, Embry-Riddle Aeronautical University
51. *Too Much?: A Narrative Criticism of Suicide and Depression in "13 Reasons Why"*

Danielle Lucas and Jelena Petrovic, Stetson University

52. *Nicotinoid Cross Resistance in Drosophila: Preliminary Results*  
Raymond MacKoul and Kimberly Rowland, Lynn University
53. *The Efficacy of Bioven upon the Transition to Sublingual Delivery as an Alternative Route of Administration: Dissolution, Protein Analysis, and Contamination*  
Chelsea Mathews and Mark Jaffe, Nova Southeastern University, Henry Schur, Acme Technical, Inc.
54. *The Phenomenon of Oversharing and the Millennial Generation's Perception of its Existence*  
Aubrianna Hall and Jelena Petrovic, Stetson University
55. *Gender Differences in Spanish Language Learning: Speaking Exams*  
Mackenzie Harrington and Andrew DelMil, University of Tampa
56. *World Class Suspension Dynamics Simulator*  
Kyle Morris, Max Kline and Dave Spitzer, Embry-Riddle Aeronautical University
57. *Do Whales Exhibit Distinct Daytime or Nighttime Behavioral Bouts?*  
Danielle Beyes and Jeffrey Fasick, University of Tampa
58. *Comparative Study of Judicial Waivers in Florida, USA and Nigeria*  
Julia Myron and David Forde, University of North Florida
59. *Advertisers Are Talking, But Are They Listening? Reaching Millennials in a Cluttered Market Place*  
Augustinas Navickas and Salvador Victor, Bethune-Cookman University
60. *Dominance and Prestige Differentially Predict Feelings of Contempt*  
Jennan Abduljaber and Sarah Ainsworth, University of North Florida
61. *Examining the Role of Dyrk1a in the Development and Function of Inhibitory Neurons*  
Rachel Levy and Zhong-Wei Zhang, University of Florida
62. *Waging Peace: The Cultural Politics of a Collaborative, Interdisciplinary Art Initiative*  
Jessica Bissey, Allison Marino, and Jennifer Hamrock, Florida State University
63. *Wetland Community Alterations: The Replacement of Intertidal Marshes by Mangroves*  
Hope Thelen, Nicole Bales and Michael Slattery, University of Tampa
64. *Identification of a Homozygous Recessive Mutation Altering Pigmentation Patterns in Drosophila*

Michelle Afonso, Krishna Rentachintala, Jonathan Nguyen, Sara Moss and Elizabeth Jones-Mason, University of South Florida

65. *Effects of Fermented Cabbage on Markers of Inflammation and Composition of the Intestinal Microflora in Overweight and Obese Women*  
Amber Baskin and Andrea Arikawa, University of North Florida
66. *Nanoparticle-driven Forward Osmosis Modification for Mitigating Membrane Biofouling in Algae Separation*  
Rebecca McLean and Woo Hyoung Lee, University of Central Florida
67. *Binary Spin Lattice Thermodynamic Agent-Based Model*  
Jennifer Campos, Kaitlyn Moor and Fred Browning, Palm Beach Atlantic University
68. *Overcoming the Blood-Brain Barrier by Lactoferrin-modified Silica Nanoparticles*  
Refat Chowdhury and Anthony McGoron, Florida International University
69. *Preliminary study: Invertebrate Primary Cells on 3D Collagen Matrices*  
Melinda Moffitt and Fatima Rehman, University of North Florida
70. *The Relationship Between Cell Phones and Levels of Anxiety and Academic Performance*  
Dominique Dubon and Paul Conway, Florida State University
71. *Integration of Augmented Reality and Neuromuscular Control Systems for Remote Vehicle Operations*  
Adam Berlier, Bradford Brown, Timothy Christovich, Taylor Hester, Cameron Monk, Victor Huayamave and Eduardo Divo, Embry-Riddle Aeronautical University
72. *Abundance of Micro-plastic in Commercial Sea Salts*  
Khyla Bodie, Cassandra Korte and Alana Lecher, Lynn University
73. *Emergent Properties in Oxide Crystals Stacked at the Atomic Limit*  
Caitlin Kengle and Maitir Warusawithana, University of North Florida
74. *My Research has Jets: Exploring Barthes' Enigmas and Fan Based Exaltation within Star Wars, DC Comics, and Television*  
Matthew Hudson and Warren Jones, Eastern Florida State College
75. *Project Hummingbird: Recovery of a Rocket Using Autorotation*  
Karen Maurer, James Le, Andrew Valenti, Sophie Zaccarine, John Dennehy and Eric Perrell, Embry-Riddle Aeronautical university
76. *Identity Meta-Analysis*  
Alejandra Gancedo and Liam Maher, Florida State University
77. *Regulation of Sleep by Dietary Fatty Acids in the Drosophila Melanogaster*

Estelle Laure Sah Pamboro, Elizabeth Brown and Alex Keene, Florida Atlantic University

78. *Human Impacts on the Hippocampus zosterae Mating System.*  
Megan Hill, Heather Masonjones and Emily Rose, University of Tampa
79. *Advancement of DNA Sequencing Using 2D Materials*  
John Dimuna and Jason Haraldsen, University of North Florida
80. *Effects of Confederate-named Schools on Racial Minorities Compared to Non-minorities*  
Kayla McGruder, Kaylee Sisneros, Angela Mann, Curtis Phills and Elizabeth Brown,  
University of North Florida
81. *Friend or Foe: Effects of Wrack Accumulation on Mangrove Growth in Mosquito Lagoon*  
Julia Carlin, Noah Friedland, Melinda Paduani, Rebecca Sweatman Michelle Shaffer,  
Suzanne Connor, Dr. Melinda Donnelly and Dr. Linda Walters, University of Central  
Florida
82. *Examining Factors Affecting Participant Response in Research Studies*  
Victoria Pineda, Wyatt Kinner, and Daniel McConnel, University of Central Florida
83. *Exclusion and Unity: A Rhetorical Analysis of Ronald Reagan's First Inaugural Address*  
Kathryn Buday and Jelena Petrovic, Stetson University
84. *On the Way to Casterbridge: Dialectic Constructions in the Geographic Landscapes of  
Thomas Hardy's Novels*  
David Advent and Barry Faulk, Florida State University
85. *Identifying Correlates and Predictors of Help-Seeking and Treatment Engagement among  
Undergraduates at Elevated Suicide Risk*  
Evan Albury, Melanie Hom, Ian Stanley and Thomas Joiner, Florida State University
86. *Controlled Manipulation of Protein Phosphorylation and Cell Regeneration with Light-  
Responsive DNA Aptamer Reactions*  
Ameer Basta, Chen Wang, Cheng Cui and Weihong Tan, University of Florida
87. *Reconceptualizing Residence Life: Empirical Support for the Residential Curriculum  
Approach*  
Rachel Chaves, Christine Langley, Sara Phillips, Cole Sebastian and Karen Mottarella,  
University of Central Florida
88. *Thin Film Growth of Superconducting DyBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-δ</sub> by Molecular Beam Epitaxy*  
Robert Dawson and Maitri Waruswithana, University of North Florida
89. *Plants: Finding Their Identity with the rbcl Gene*  
Bryan Demosthene, Justin Santiago and Nalini Odapalli, Valencia College

90. *Deciphering the Botanic Genetic Code using DNA Barcoding*  
Heather Issa and Nalini Odapalli, Valencia College
91. *Writing in the Discipline for Studio Art Undergraduates*  
Laura Miller and Julietta Chung, Florida State University
92. *Plastics under a Microscope: Accumulation of Microplastics in Oyster Spat in Mosquito Lagoon*  
Megan Robbins and Linda Walters, University of Central Florida
93. "Poverty Porn": The Narratives of INGO Media Campaigns  
Monique Costner and Tanu Kohli, Florida State University
94. *The Potential Collapse of Restricted Utilitarianism into Kantianism: A Metaethical Analysis*  
Hannah Woods and Sarah Vincent, University of North Florida