

Poster Session 4

1. *A Comparison of Cell Adhesion Molecule Expression in The Olfactory Bulbs of Male and Female Mice*
Abigail Tompa and Judith Ochrietor, University of North Florida
2. *Relationships Between Anxiety, Hormones, and Pubertal Developmental Stage In Adolescent Females*
Sierah Crisler and Alex Meyer, Florida State University
3. *The Relationship Between Social Media Use and Cheating Behaviors in Relationships*
Memona Zafar, Elizabeth Koblar and Mustapha Mouloua, University of Central Florida
4. *How Does Age and Political Affiliation Affect the Perception of Credibility Towards News Media Outlets*
Douglas Speed, Garrett Cox and Monica Escaleras, Florida Atlantic University
5. *Effective Interventions Recommended to Improve Youth Behavioral and Mental Health Outcomes Based on Mapping Sociodemographic Factors within Volusia County Zip Codes with High Incidence of Hospitalizations and Emergency Department Visits*
Monica Fies, Amelia Ballesteros and Laura Gunn, Stetson University
6. *The Use of ddPCR Technology to Track a Patient's Stage of Disease Utilizing Mutant Allele Frequencies*
Lauren Vaughn and Leylah Druskbosky, University of Florida
7. *Preliminary Examination of Sexual Dimorphism in Northeast Florida Bottlenose Dolphins (*Tursiops truncatus*)*
Alexandra Veigas and Quincy Gibson, University of North Florida
8. *Cross-sectional Imaging Measurements of Visceral Fat Associate with Risk Factors of Urinary Stone Disease*
Emily Gansert and William Haley, University of North Florida
9. *Not Your Grandma's Newspaper: An Investigation about College Students News Sources and Sites*
Mariyah Espinoza, Salvador Victor and William Berry, Bethune-Cookman University
10. *Investigation of Oncogenes Implicated in the Progression of Spontaneous Cancer-Inducing Mutations*
Luke Evans, Hannah Mays, Angie El-Said, Jil Shah, Emily Bradshaw and Alicia Hawthorne, University of Central Florida
11. *Motivated to Live Faithfully: Importance of Living According to Faith Mediates the Relationship Between Intrinsic Motivation and Global Thinking Style*

- Anthony Alibro, Ishan Kulkarni and Jay L. Michaels, University of South Florida
Sarasota-Manatee
12. *Does Level of Minority Presence and Hospital Reimbursement Policy Influence Hospital Referral Region Health Rankings in The United States*
Hyett Farah and Hanadi Hamadi, University of North Florida
 13. *Are Exceptions Made for Exceptional People? Deviance and Career Outcomes in the NFL*
Mark Hodae, David Hall, Jasmine Gonzalez, Eilidh Watson, Kelly Hall, Carliss Miller and Randall Croom, Stetson University
 14. *CRISPR AceCas9 Structural Studies*
Emily Shiel and Hong Li, Florida State University
 15. *The Effect of Environmental Stressors on Staphylococcus aureus Biofilm Formation*
Kelly Fryar and Bridgette Froeschke, University of Tampa
 16. *Ponatinib as a Potential Therapeutic Drug for Neurofibromatosis Type 2*
Jeanine Garcia and Christina Fernandez-Valle, University of Central Florida
 17. *Sucralose: A Dose-Dependent Bacteriostatic Agent on Probiotic Microbe *Bifidobacterium infantis**
Nikhil Ghayal, Hannah Terrell and Charles B. Coughlin, University of North Florida
 18. *Analgesic Color Testing - How Much Will It Take?*
LaShonna Goodman, Brittnee LeRoux, and Erika Doctor, Lynn University
 19. *Green is Your Color: Covert Versus Attitudinal Sociosexuality and Romantic Jealousy*
Tabitha Guillaume and Christopher Leone, University of North Florida
 20. *Electoral College - To Ditch or Not to Ditch?*
William Fetzer, Sydney Elney and Monica Escaleras, Florida Atlantic University
 21. *Ontogeny of Morphology and Muscle Development in Two Benthic Elasmobranch Species*
Andrea Hernandez and Marianne Porter, Florida Atlantic University
 22. *A Spectral Study and Comparison of Supernova Remnants, and What It Means for the Origins of Cosmic Ray*
Shannon Silverman and John Hewitt, University of North Florida
 23. *Reducing Problem Behaviors in Deafblindness*
Nina Sotolongo, Isaac Singer, Sarah Ivy, Florida State University
 24. *The Effect of The Osmotic Drying Process on The Microstructure and Flexural Strength of Gelcast Alumina.*

Tony Ichite and Emily Hammel, Tallahassee Community College

25. *An Investigation of Down Syndrome Morphology: Visualizing the Brain and Skull of Children in 3D using Amira*
Shebly Lucia and John Starbuck, University of Central Florida
26. *Unusual Weather Patterns Impact Predator-Prey Dynamics: An Example with the Snail Kite*
Susette Oñate and Robert Fletcher, University of Florida
27. *Macromolecular Crowding Affects Protein-Ligand Interactions and Protein Droplet Formation*
Lily Parker and Archisman Ghosh, Florida State University
28. *A Case of Refractory Pulmonary Coccidioidomycosis Successfully Treated with Posaconazole Therapy*
Raj Patel and John Green, University of South Florida
29. *Nucleosome Dynamics in a Cell Line Model of Parkinson's Disease*
Joe Pelt and Jonathan Dennis, Florida State University
30. *Why have Differing U.S. Policies Resulted in Increased Migration from Latin America to the United States?*
Tiana Peterson and Joshua Gellers, University of North Florida
31. *Cambodian Sign Language: Development Process and Impacts on Deaf Cambodians*
Kaitlynn Himmelreich, Clayton McCarl, and Anne Pfister, University of North Florida
32. *The Metabolites Produced by Batrachochytrium dendrobatidis Damage Crayfish Gill Morphology, Cause Gill Recession, and Negatively Affect Their Respiration Quality*
Celeste Giglio and Taegan McMahon, University of Tampa
33. *Analysis of Data Sampling Techniques in Soundscape Ecology*
Evan Waldmann and Jonathan Beever, University of Central Florida
34. *Multi-trophic Mangroves on a Mission*
Kamelah Jones, Melinda Donnelly, University of Central Florida, Richard Baptiste, Paul Wills, Harbor Branch Oceanographic Institute (FAU), Jeff Beal and Annie Roddenberry, Florida Fish and Wildlife Conservation Commission
35. *KSHV ORF6 Represses KSHV Lytic Gene Expression in Primary Effusion Lymphoma Cells,*
Katherine Glickman, Richard Smindak, and Zsolt Toth, University of Florida
36. *The Effects of Binaural Beats on Mood and Cognition*
Olivera Petrovich and Christina Salnaitis, University of South Florida

37. *Designing a Mobile App to Help Young Adults Develop and Maintain Mental Well-Being*
Maya Patel, Aman Shah, Krisha Shah and Miloslava Plachkinova, University of Tampa
38. *VRvisu+: A Tool for Virtual Reality-Based Visualization of MRI Images.*
Jason Smith and Sandeep Reddivari,, University of North Florida
39. *Comparative Analysis of Protein Structures Using MEGA6 for Select Bombyx Species*
Dillon Pierce, Ashley Spring, Rajesh Melaram, Eastern Florida State College
40. *Recent Discriminatory Policies Towards the Uighur Ethnic Group in Xinjiang, China.*
Cassidy Weekes, Elizabeth Murray, Amy Grubb, Embry-Riddle Aeronautical University
41. *Diagnosis of Citrus Greening Disease by qPCR*
Fernando Rocha Vento and Xing-Hai Zhang, Florida Atlantic University
42. *Advancing Diabetes Care: The Optimization of Insulin Pump Medication Delivery*
John Wilcox and Cesar Rodriguez, Florida State University
43. *Generation of FVIII-Specific Chimeric Antigen Receptor (CAR) Tregs to Suppress Inhibitor Development in Hemophilia A Mice*
Rania Sabounji, Moanaro Biswas and Roland Herzog, University of Florida
44. *Religion in the Medical Field: Influence of Spiritual Communication with the Caregiver on Patient's Health*
Sara-Marie Saliba and Linda Connelly, University of North Florida
45. *Gopher Tortoise Social Interactions in a S. Florida Population*
Andrea Rodriguez and Evelyn Frazier, Florida Atlantic University
46. *The Effects of Rumination on Mood After Facebook Use*
Danielle Russo, Victoria Pena, Holly Stogsdill, Marissa Del Vecchi, Nhari Bryant, Erin Koterba, Michael Stasio and Erica Yuen, University of Tampa
47. *Effects of NPF and Starvation on Antioxidant Activity in Tenibrio Molitor*
Damir Sarajlic, Raphaela Macanas, Jake Mullery, Stephenie Dilts, University of North Florida, John Hatle, University of North Florida, Cathy Patterson, Florida State College at Jacksonville
48. *Colorimetric Assay for the Detection of Zika Virus for Point-of-Care Applications*
Allison Williams, Adam Reed and Yulia Gerasimova, University of Central Florida
49. *Title: Hurricanes and Hegemony: A Study of American Imperialism in Puerto Rico, 1898-1940*
Ian Seavey, Elizabeth Littell-Lamb and Spencer Segalla, University of Tampa

50. *KSHV ORF6 Supports KSHV Lytic Gene Expression in Adherent Epithelial Cells*
Kyra Senchyshak, Thomas Nguyen, Katherine Glickman, Juan Alonso, Naeem Motlagh, Richard Smindak, Gavin Golas, Zsolt Toth, University of Florida
51. *Photo-Catalytic Conversion Efficiency of Metal-Organic Frameworks in The Selective Oxidation of Benzyl Alcohol*
Jonathan Sepulveda and Fernando Uribe-Romo, University of Central Florida
52. *Fins4kids*
Cailla Strobel, James Gelsleichter and David Lambert, University of North Florida
53. *Using Machine Learning to Predict Prices of Credit Default Swap (CDS) Contracts*
Terrence Zhang and Mahendrarajah Nimalendran, University of Florida
54. *Communication, Surveillance, and The Red Scare.*
Katherine Shapiro and Katherine Shapiro, Florida State University
55. *Frequency of Whole Breast Radiation Therapy Following Intraoperative Radiation Therapy due to Criteria Identified by Lumpectomy*
Louis Joya and Thinzar Zaw, University of South Florida
56. *Electronic Dance Music Culture's Gradual Shift from Tangibility to Intangibility*
Eden Shurman and Maragaret Steward, University of North Florida
57. *Self-Compassion and Personality: A Cross-Sectional Study of Big Five Personality, Moral Reasoning, and Values*
Kaylee Sisneros and Paul Fuglestad, University of North Florida
58. *Insurance Coverage and College Students Care: Does Insurance Coverage Effect the Primary Care Provider Choice of College Students and Their Academic Performance?*
Emily Vernet and Melanie Hinojosa, University of Central Florida
59. *The Desmids of Arthur R. Marshall Loxahatchee National Wildlife Refuge.*
Katherine Stahlhut and Barry Rosen, University of Central Florida
60. *Training Nicaraguan Artisans for Online International Sales: A Field-Test of a Scalable Development Policy.*
Beatrice Dain, Zuzanna Szulc, Ellis Magee, Florida State University
61. *How Do Community Gardens Combat Food Deserts?*
Norrelle Walker, Taylor Rentz and Dawn Witherspoon, University of North Florida
62. *Determining A Marine Sponge Extract's Ability to Inhibit the Growth of Pancreatic and Colon Cancer*
Emily Warner, Christine Theodore and Jeffery Fasick, University of Tampa

63. *The Gap in Support for Same Sex Adoption*
Jade Tally and Natasha Christie, University of North Florida
64. *Examination of Four Types Of Pain Tolerance In Relation To A Lifetime History Of Suicidal Behavior*
Olivia Teasdale, Jessica Nelson and Megan Rogers, Florida State University
65. *Health Insurance Status and Diabetes Management Practices Among Black Adults in the U.S.*
Luderve Rosier and Brittny Wells, University of Central Florida
66. *Nasal Microbiome Analysis in Macaca nemestrina Reveals Potential Competitors of Staphylococcus aureus*
Ryan Skelly and Amy Cole, University of Central Florida
67. *Constraint Programming Mapping and Evaluation Techniques Applied to Critical Unmanned Aerial System Decision-making*
Courtney Thurston and Richard Stansbury, Embry-Riddle Aeronautical University
68. *Rhetorical Analysis of Statements Made by United Airlines After Forcible Removal of a Passenger.*
Alyssa Smith and Jelena Petrovic, Stetson University
69. *Magnetically Triggered Release of Protein*
Omani Tuitt Olivia Lanier, John Dobson, University Of Florida
70. *No Title*
Alexandra Urdaneta and Vijaya Iragavarapu-Charyulu, Florida Atlantic University
71. *Peace and Trauma in The Fifth Season*
Alena Flick and Farrah Cato, University of Central Florida
72. *Project Nautilus: Lowering the Cost of Oceanic Research*
Devon Vail, Peter Demetres, Stephen Hanrahan, Andrew Hendersor and Shuo Pang, Embry-Riddle Aeronautical University
73. *Design and Synthesis of Novel Analogues of Aza-Podophyllotoxin As Tubulin-Polymerization Inhibitors*
Charles Shearer and Stephane Roche, Florida Atlantic University
74. *Synbio Approaches to Immunomodulatory Breast Milk Derived Commensal*
Max Van Belkum and Mansour Mohamadzadeh, University of Florida
75. *Documenting the Past in Three Dimensions*
Chase Van Tilburg and Lauren Weingarden, Florida State University

76. *Age-Related Susceptibility in Cyber Social-Engineering Attacks*
Paul Talty and Natalie Ebner, University of Florida
77. *Insane Clown Posse and the Liminal World of Carnival, Class, and Juggalo Family*
Magdalene Taylor and Queen Zabriskie, New College of Florida
78. *A Novel Lifecycle Extension Plan for the Efficient Usage of On-Orbit Post-Consumer Assets*
Jaclyn Wiley, Andrew Bronshteyn and Wes Lewis, Embry-Riddle Aeronautical University
79. *Middle Ear Response to Varying Intracranial Pressures Using Tympanometry*
Leslie Simms, Sierra Condo, Richard Sandler, and Hansen Mansy, University of Central Florida
80. *Physicians' Perspectives on Early Screening and Diagnosis of ASD: Challenges and Solutions in Diverse Communities.*
Kayla Wagler, Abigail Delehanty and Amy Wetherby, Florida State University
81. *Analysis of the Expression of Basigin, Embigin, and Neuroplastin in the Mouse Olfactory Bulb*
Hannah Watts and Judith Ochrietor, University of North Florida
82. *Preventing Suicide in At-Risk, PTSD-Affected Military Populations*
Christina Hayworth and Wen Li, Florida State University
83. *Stimulation and Modulation of Natural Killer Cells with Exosomes*
Kari Shaver, University of Central Florida
84. *Factors That Affect the Detection of *Wolbachia* in Mosquitoes and Nematodes*
Andrew White, Jennifer Bess, John Whitlock, Hillsborough Community College
85. *Determining the Relationship of Morphologically Distinct Croaker Fish Individuals to Other *Micropogonias* Populations*
Bridget Vincent and Eric Hoffman, University of Central Florida
86. *Terminator Planes: Self Healing Aircraft*
Guadalupe Zepeda, Margaret Scheiner, and Okenwa Okoli, Florida State University
87. *The Role of Grit in a Self-directed Weight Control Intervention*
Molly Wright and Paul Fuglestad, University of North Florida
88. *Neural Regeneration in an Invertebrate Related to Humans*
Anuhya Yedanaparathi, Daniel Knap, Olga Zueva and Vladimir Mashanov, University of North Florida

89. *A Quantitative and Geospatial Analysis of a Peer-Enforced Tobacco- and Smoke-Free University Campus Policy*
Shahriar Zamani and Sarah Powell, University of South Florida
90. *Self-Monitoring and Eating Disorders: Protective versus Acquisitive Motives for Anorexia Nervosa*
Kaela Robertson, Sarah Green, Sarah Cozza, Louanne Hawkins and Christopher Leone, University of North Florida
91. *Shooting through Raindrops with Laser Pulses*
Jasmine Thompson, Matthieu Baudelet, Shermineh Rostami and Martin Richardson, University of Central Florida
92. *Viscous Effects of Ethylene Glycol in the Electrodeposition of Copper in a Cu-Cu Electrochemical System*
Juan Juarez and Anne Donnelly, University of Florida
93. *Modeling Cooper Pair Particle Interactions and Electron Scattering for Possible Dark Matter Detection Using Superconducting Transition-Edge Sensors*
Jose Pagan, Daniel Santavicca, and Chris Kelso, University of North Florida