

Poster Session 1

1. *A Comparative Genomics Approach to Understanding the Roles of P53 Binding Sites*
Nicole Pelletier, Adrian Acuna Higaki and Lei Zhou, University of Florida
2. *Relation Between Parent Emotion Socialization and Attachment*
Aidimer Perez and Daniel Bagner, Florida International University
3. *Exploring Messages About Interracial Families Within Children's Books*
Peace Adetula, Anne Bubriski-McKenzie and Elizabeth Grauerholz, University of Central Florida
4. *Mapping Cedar Key Florida Salt Marsh Vegetation Communities in GIS*
Nicole Bales and Michael Slattery, University of Tampa
5. *Feasts and Famine: Modern Misconceptions of the Ancient Roman Diet*
Zachary Logeson and Jennifer Rae, University of Florida
6. *Comparison of Brain Anatomy Based on Gender in Individuals with Trisomy 21*
Yaser Ahmad and John Starbuck, University of Central Florida
7. *The Metabolites Produced by Batrachochytrium dendrobatidis Alter Amphibian Development, but not Growth in the Absence of Infection*
Nichole Laggan and Taegan McMahon, University of Tampa
8. *Sex, Drugs, Violence, and Athletes Who "Cried for Help": Four Case Studies in Reputation Restoration*
Eric White and William Berry, Bethune Cookman University
9. *Faith-based Cognitive-Behavioral Intervention for Distressed African-American Dementia Caregivers: Treatment Fidelity Analysis*
Luis Andrade and Robert Glueckauf, Florida State University
10. *Generational Differences in Viewpoints*
Andrew Barak, AlexisMcCurry, Eric Levy and Monica Escaleras, Florida Atlantic University
11. *Differential Degradation of DNA of Saliva Samples from Objects in Different Aqueous Conditions*
Allison Blethen and Sulekha Coticone, Florida Gulf Coast University
12. *Neural Correlates of Tourette's Syndrome in Mu Oscillations of the Sensorimotor Cortex*
Olivia Bockler and Wen Li, Florida State University

13. *Go with the tide: Impact of high water on boring sponge establishment*
Sheridan Strang, Elizabeth Boggs, Ayssel Tanbari, Jesse Blount, Katie Adams, Iris Fang, and Linda Walters, University of Central Florida
14. *Distilled Ozone Source for Complex Oxide Growth Using Molecular Beam Epitaxy*
Dakota Brown and Maitri Warusawithana, University of North Florida
15. *Airport Emission Rates from Airborne Measurements of NO_x and CO₂*
Dallas Burke, University of North Florida and Sally Pusede, University of Virginia
16. *Sequence Selectivity, Cooperativity, and Competition in The Equilibrium Binding of Psoralen Crosslinking Agents To DNA*
Giselle Valdes and Stephen Winkle, Florida International University
17. *Expanding ExploreIT: Creating A Smartphone App to Engage Visitors At A Children's Museum*
Claudia Caban, Dominique Coppola, Stephen Blessing and Jeffery Skowrone, University of Tampa
18. *BLAST Analysis of New Plant Species*
Marco Cardone, Marco Antonio, Justin Santiago and Nalini Odapalli, Valencia College
19. *Dialogic Reading with Adolescent Mothers*
Diana Abarca, Rachel Wolfkill and Jacqueline Towson, University of Central Florida
20. *Antimicrobial Effects of Selected Plant Oils Against Ampicillin Resistant Escherichia coli*
Nila Cousar and Sofronio Agustin, Seminole State College of Florida
21. *Developing a Cure for a Crisis: The Preliminary Identification of an Antibiotic Producing Pseudoalteromonas Species*
Rissa Edilla and Eric Warrick, State College of Florida, Manatee-Sarasota
22. *On Fire or Burned Out? Self-Monitoring, Job Exhaustion, and Job Disengagement*
Elizabeth Ellis and Christopher Leone, University of North Florida
23. *Do Sitcom's Representations of Parents Really Portray a Modern Family?*
Eyal Cohen and Jelena Petrovic, Stetson University
24. *Total and Regional Bone Mineral Density (BMD) Is Associated with Higher Lean Mass Among Postmenopausal African American Women*
Ronika Etienne and Jasminka Ilich-Ernst, Florida State University
25. *Investigation of Dissolved Metals Concentrations in Lake Worth Lagoon*
Gino Garlaschi and Tara Root, Florida Atlantic University

26. *Mosquito Takeoff Strategies from Horizontal Surfaces*
Grace Clayton and Andrew Dickerson, University of Central Florida
27. *A Classification of Suicidality Disorder Phenotypes*
Jennifer Giddens and Dr. David Sheehan, University of South Florida
28. *Development of A Luminescent Europium(III) Complex for Anion Sensor Applications*
Sara Polzin and Eric Werner, University of Tampa
29. *Creation and Analysis of Clinically Tested Hydrogels for the Purpose of Electrosurgery*
Alfredo Gonzalez and Juan Aceros, University of North Florida
30. *Engineering Zinc Finger Proteins to Block Transcription of Disease-Causing DNA Repeat Expansions*
Maja Haerle and Andy Berglund, University of Florida
31. *Investigating the Specificity of the Polyamine Transport System*
Michael Dieffenbach and Laurence Von Kalm, University of Central Florida
32. *Working Memory: Determining the Relevant from the Irrelevant*
Nicole Heim and Derek Nee, Florida State University
33. *Dopamine Increases in the Prefrontal Cortex, but not Nucleus Accumbens, Responsible for EEG Activity Caused by Hallucinogenic Drugs MDPV ('bath salts'), MK-801 and Ketamine.*
Marcillin Zetrenne, Giselle Shim and Tao Rui, Florida Atlantic University
34. *Testing the Expanded Sport Official's Decision-Making Model*
Payton Howarth and Jason Ritchie, Florida State University
35. *Identification and Characterization of Calcium Binding and Coiled Coil Domain 1 (Calcoco1) In Skeletal Muscle*
Parker Irvin, Kelsey Patterson and David Waddell, University of North Florida
36. *Choice Architecture: The Application and Ethical Considerations of Nudging and Libertarian Paternalism*
Valerie Joly Chock and Jonathan Matheson, University of North Florida
37. *An Examination of Over-Protective Parenting as a Link Between ADHD and Anxiety In 5-7 Year Old Children*
Molly Kegley and Alexandria Meyer, Florida State University
38. *Health-Related Attitudes and Behaviors Among College Students in The U.S. and Europe: A Cross-Cultural Perspective*
Elena Finver and Dejan Magoc, Stetson University

39. *Hybrid Zone Analysis of Fundulus grandis and F. heteroclitus*
Emily Kerns and Matthew Gilg, University of North Florida
40. *The Unheard Voices of Assam, India*
Sabrina Mato and Kimberly Reid, Florida State University
41. *Proof that Our Universe can Only be Newtonian or Relativistic Using Einstein's Special Relativity*
Jamal Khayat and Cotas Efthimiou, University of Central Florida
42. *For Ours Is the Kingdom: Infighting in Chicago in the early 20th Century*
Marissa Hanley and Kimberly Reiter, Stetson University
43. *Ozone Sensors Payload on Solar Eclipse and Nasa High Altitude Balloon Flights*
Jesse Lard and Nirmal Patel, University of North Florida
44. *In the Eye of The Storm: Exposure of Sea Turtle Nesting to Named Weather Systems in the Northern Gulf of Mexico*
Alexandra Lee, Mariana Fuentes, and Natalie Wildermann, Florida State University
45. *The Social Determinants of Health: Access to Clean Water in Rural Communities on The North Coast of The Dominican Republic*
Kilian Kelly and Lindy Davidson, University of South Florida
46. *Force-Vector Analysis and Statics Mechanical Testing on a Working Hydrokinetic Sustainable Unidirectional Tidal Generator Prototype*
Zachary Loeb and Ricardo Zaurin, University of Central Florida
47. *Personal Care Products: Where Are the Phthalates?*
Tara Lunsford, Cassandra Korte and Erika Doctor, Lynn University
48. *Investigating the Variation in Substrate Specificity Between Type I and Type II PRMT Isozymes*
Sarah Mann and Bryan Knuckley, University of North Florida
49. *Factors influencing concentrations of small plastics on Florida beaches*
Gaylen Martin and Alanna Lecher, Lynn University
50. *Tuberculosis Bites: Understanding the Connection Between Folklore and Disease with Vampires and Tuberculosis*
Maiah Letsch and Paul Croce, Stetson University
51. *Developing Peptoid-Based Inhibitors for the Protein Arginine Methyltransferase Family*
Braidy May and Bryan Knuckley, University of North Florida

52. *Language and Social Skills in Relation to Teacher-Reported Aggression, Victimization, and Prosocial Behavior in Preschool Children*
Molly McQueeney, Hannah Kinnon, Monica Lamie and Lyndsay Jenkins, Florida State University
53. *A Study on the Impact of Technological Advancement on Community Bank Lending Performance*
Andrew Ong and Ahmet Kullu, University of Central Florida
54. *An Analysis of U.S. Municipal Bond Yield Curves*
Amaury Minino, Hongqei Long and Sher Chhetri, Florida Atlantic University
55. *Plasma 8-hydroxy-2'-deoxyguanosine as a Biomarker of PAH Exposure in Deepwater Sharks Exposed to The Deepwater Horizon Oil Spill*
Brittany Minnig and Jim Gelsleichter, University of North Florida
56. *Faith-Based Cognitive Behavioral Intervention for Depression in African-American Dementia Caregivers*
Inge Montoya and Robert Glueckauf, Florida State University
57. *Reducing Food Insecurity to Combat Obesity*
Taylor Rentz, De'vohn Roman, Norrella Walker and Dawn Witherspoon, University of North Florida
58. *Clay Body Research*
William Mueller and Trevor Dunn, University of North Florida
59. *Effects of Mechano Growth Factor on C2c12 Skeletal Muscle Cells*
Jeremy Piacente, Nikki Huynh, Marie Gibbons and Kiminobu Sugaya, University of Central Florida
60. *Spectral Tuning of Rhodopsins from Tampa Bay Fish*
Ciara Myer and Jeffrey Fasick, University of Tampa
61. *Financial Responsibility & School Achievement*
Jennifer Naginsky, Monique Mahabir, Rachel Pauletti and Patrick Cooper, Lynn University
62. *Factors Influencing and Predicting the Likelihood of Mental Health Help-Seeking of Collegiate Student-Athletes*
Maegan Nation and Matthew Bird, Florida State University
63. *More than Discourse: Islam, Others, and Radicalization in the West*
Selina Nevin and Ross Moret, Florida State University

64. *Landfill Leachate Pretreatment: Metal Recovery and Nitrogen Removal*
Amanda Ogden, Runwei Li and Youneng Tang, Florida State University
65. *The Mighty Warriors of The Soil: Identification and Analysis of Novel, Antibiotic Producing Bowmanella Species*
Kira Melton and Erick Warrick, State College of Florida, Manatee – Sarasota
66. *Sociodemographic Factors Associated with Ever-Use of Hookah Among Young Adults in The U.S.*
Victoria Owens and Julia Soulakova, University of Central Florida
67. *Identification of A Novel Enhancer/Chromatin Opening Element Associated with High-Level Γ -Globin Gene Expression*
Maclean Bassett and Jörg Bungert, University of Florida
68. *Thermal Decomposition of Prussian Blue Analogue as Precursors for Magnetic Nanoparticles*
Sara Parrish, David Hardy and Geoffrey Strouse, Florida State University
69. *Partnerships in Crime: Protecting American Businesses from Cyber Crimes*
Nathen Mergen, Katherine Ray and Dean Thomas Blomberg, Florida State University
70. *Urban Landscape Features Affect Patterns of Co-Occurrence of the Red Imported Fire Ant (*Solenopsis invicta*) and the Argentine Ant (*Linepithema humile*)*
Abigail Pierre and Joshua King, University of Central Florida
71. *Animal Familiars in Early Modern England*
Stephanie Pinargote and Molly Hand, Florida State University
72. *Human Population Size: An Important Predictor of Alligator Attack Rates in Florida Using Linear and Stepwise Regression*
Morgan Golden-Ebanks and Adam Rosenblatt, University of North Florida
73. *Are High Self-Monitors Genuine?: A Study of Self-Monitoring and Authenticity*
Diego Prato, Michael Yoho and Christopher Leone, University of North Florida
74. *Withaferin A (WA) Reduces Disease Associated Variants of Alpha-Synuclein In Cellular Models*
Natasha Ram, Malathi Narayan and Umesh Jinwal, University of South Florida
75. *Modeling Cholera Dynamics in Haiti: The Effects of Interventions on Reducing Epidemic Outbreaks*
Hanna Reed and Zhisheng Shuai, University of Central Florida

76. *About Face: Antecedents of Perceptions About Men's Facial Hair*
Eilidh Watson, Jasmine Gonzalez, Mark Hodae, David Hall, Kelly Hall and Randy Croom, Stetson University
77. *Stereotype*
Ricder Ricardo and Sheila Goloborotko, University of North Florida
78. *Bobwhite Quail Neonates Can Use Olfactory Cues to Direct Spatial Exploration*
Chelsy Obrer, Starlie Belnap and Robert Lickliter, Florida International University
79. *Sex or SES? Attitudes About Child Sexual Abuse as a Function of Perpetrators' Attributes*
Alet Robert, Mary Geary, Ashley Jacoby, Christopher Leone, and Louanne Hawkins, University of North Florida
80. *Perfect Muscle Regeneration in the African Spiny Mouse (Acomys)*
Aaron Sandoval, Jason Brant and Malcolm Maden, University of Florida
81. *The Impact of Epigallocatechin-3-Gallate (EGCG) On Ts65dn Down Syndrome Mouse Models*
Nicole Santana and John Starbuck, University of Central Florida
82. *Tensile-Compressive Asymmetry and Anisotropy of Fused Deposition Modeling PLA Under Monotonic Conditions*
Aaron Santomauro and Ali Gordon, University of Central Florida
83. *The Size of The SRC Effect as a Function of The Amount of Correspondence Between Stimulus and Response*
Jess Semple and Debbie Wang, University of North Florida
84. *The Role of Estrogen in the Inflammatory Profile of Patients with Localized Aggressive Periodontitis*
Tamara Tavakoli and Luciana Shaddox, University of Florida
85. *A Socio-Linguistic Analysis of African-American Vernacular English At UF*
Elisabeth Rios-Brooks, John Krigbaum, University of Florida
86. *Urban Agriculture*
Kyrsteen Webster, Aleczander Lane, Ryan Martin, and Lisa Piazza, University of South Florida
87. *Recommended Interventions for Improving Cardiovascular Disease and Diabetes Outcomes Based on Mapping Similar Sociodemographic Factors within Volusia County Zip Codes Containing High Prevalence of Hospitalizations and Emergency Department Visits*
Derek Weimer, Stacey Odoi, Brianna Lopes, and Laura Gunn, Stetson University

88. *State Anxiety Promotes Social Cognitive Responses to Disease Threat*
Nicholas Zovath and Sarah Ainsworth, University of North Florida
89. *HIV Testing Barriers Within the Caucasian and Multi-Racial UCF Community*
Alyse Hurwit and Su-I Hou, University of Central Florida
90. *Taxonomical Investigation Through DNA Barcoding*
Babita Samaroo and Nalini Odapalli, Valencia College
91. *The Useful and Wasted Work Potential from Advanced Combustion using a Zero-Dimensional Numerical Model*
Justin White, Chris Tenore and John Nuszowski, University of North Florida
92. *Targeted Delivery of a Therapeutic Protein for Neurodegenerative Diseases*
Heather Holman and Kiminobu Sugaya, University of Central Florida
93. *Defining the role master regulators of virulence factors play in Mycobacterium abscessus*
George Walters-Marrah and Kyle Rohde, University of Central Florida