



February 23-24, 2018

FURC

*Florida Undergraduate
Research Conference*

Hosted by



Eastern Florida
STATE COLLEGE

From the President



Dr. Jim Richey
President

Dear Conference Attendees:

Welcome to Eastern Florida State College and the 2018 Florida Undergraduate Research Conference.

You are among more than 700 participants representing 30 colleges and universities, with students presenting more than 400 research projects.

Those impressive numbers reflect the intellect and commitment that students are bringing to their work, and the dedication of faculty and staff who are helping them succeed.

The conference features some of the best and brightest young minds in our nation who will help define the future of the world in which we live.

That is why we place great importance on the Office of Undergraduate Research at Eastern Florida.

Our program operates on all four Eastern Florida campuses with research in 18 disciplines, many of them in Science, Technology, Engineering and Math and others in liberal arts.

Our program has also been used as the model by six other colleges and universities in Florida to start their own undergraduate research efforts.

I encourage you to take full advantage of the many opportunities the conference offers, especially the unique window it provides on the innovative work of students.

I know you will leave with new ideas and the knowledge that the research you are doing today is the foundation for what you will achieve tomorrow.

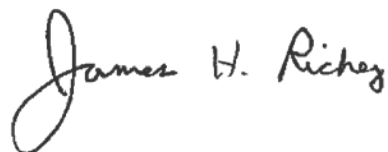
A handwritten signature in black ink that reads "James H. Richey". The signature is written in a cursive, flowing style.

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Map

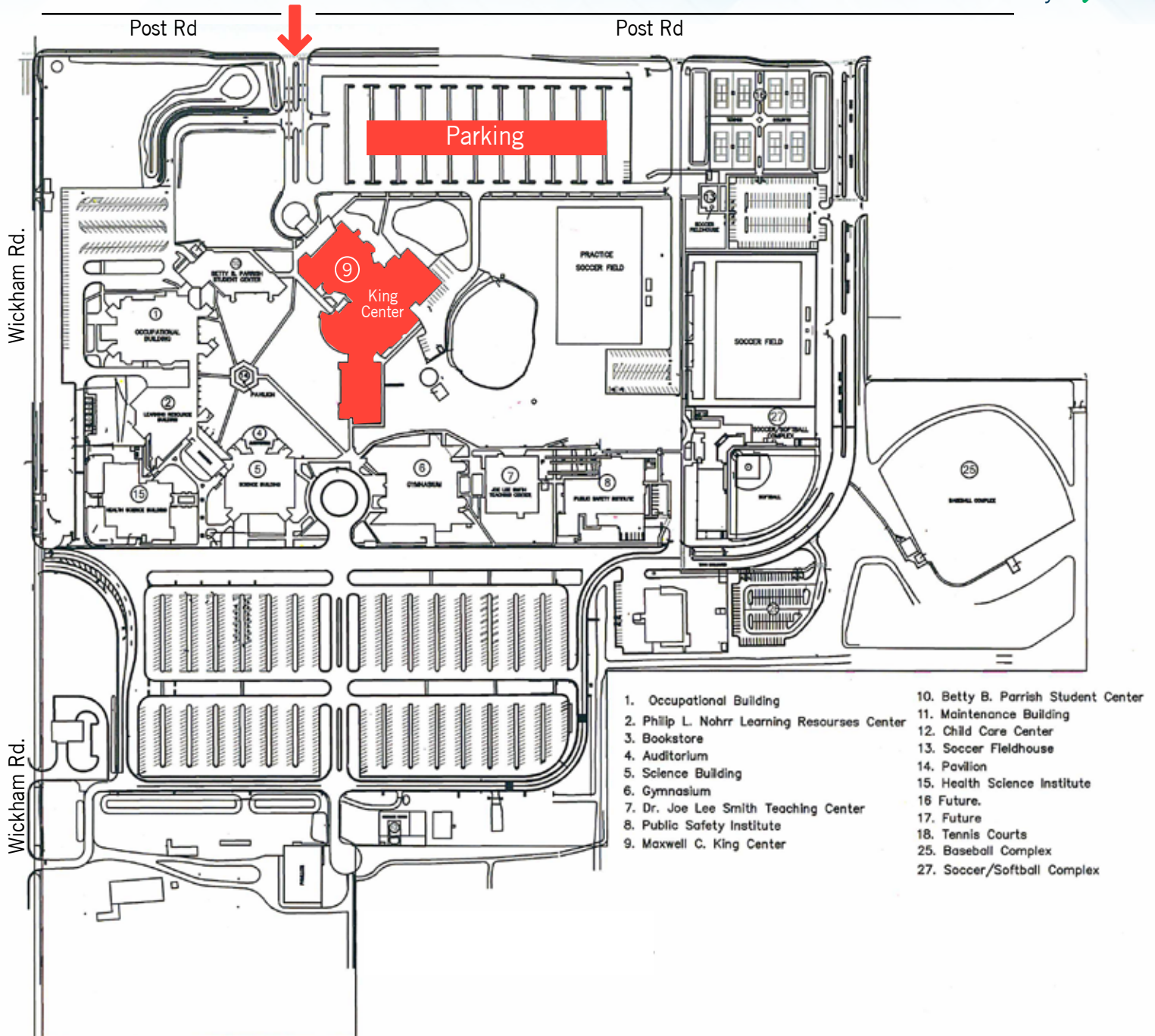


Eastern Florida
STATE COLLEGE

Friday, February 23, 2018

Enter off of Post Rd.

US. Hwy 1 ➤



3865 N. Wickham Rd.
Melbourne, FL 32935

Map

Enter off of Post Rd.

US. Hwy 1 ➤



Conference Schedule

Friday, February 23, 2018

Time	Activity	Location
5 - 7:30 p.m.	Attendee Check-in	King Center Rotunda
5:30 - 7 p.m.	Heavy hors d'oeuvres	King Center Rotunda
7 - 7:25 p.m.	Live Entertainment	King Center Main Stage
7:30 - 7:40 p.m.	Welcome from President	King Center Main Stage
7:45 - 8:15 p.m.	Keynote Speaker	King Center Main Stage
5 - 9 p.m.	Entertainment	Outside of the King Center

Saturday, February 24, 2018

Time	Activity	Location
8 - 10 a.m.	Late Check-in	Bldg. 6 (Gym) Lobby
8:30 - 9:15 a.m.	Poster Session #1	Bldg. 6 (Gym)
9:30 - 10:15 a.m.	Workshop #1	Bldg. 7
10:30 - 11:15 a.m.	Poster Session #2	Bldg. 6 (Gym)
11:30 a.m. - 12:15 p.m.	Workshop #2	Bldg. 7
12:15 - 1:30 p.m.	Lunch	Bldg. 6 (Gym)
1:30 - 2:15 p.m.	Workshop #3	Bldg. 7
2:30 - 3:15 p.m.	Poster Session #3	Bldg. 6 (Gym)
3:30 - 4:15 p.m.	Workshop #4	Bldg. 7
4:30 - 5:15 p.m.	Poster Session #4	Bldg. 6 (Gym)
5:15 - 5:30 p.m.	Closing Remarks	Bldg. 6 (Gym)





Duane E. De Freese, Ph.D.

Executive Director

IRL Council

Indian River Lagoon National Estuary Program

If you look deep enough into some of Florida's most innovative conservation initiatives, you will eventually run across Duane's name.

For over 3 decades, Dr. De Freese has been a champion of science-based, common-sense ocean and coastal conservation in Florida. He is recognized for his ability to "see and communicate the big picture" by integrating environmental, economic and social considerations into a vision for Florida's future.

Duane holds a B.S. degree in Zoology from the University of Rhode Island (1976) and M.S. (1982) & Ph.D. (1988) degrees in Marine Biology from Florida Institute of Technology. He holds special course certificates from the Roy E. Crummer Graduate School of Business, Rollins College (2002); Duke University, School of the Environment (Conservation Land Acquisition, 1991); and Marine Biological Laboratory at Woods Hole, MA. (Mariculture, 1983).

Duane was instrumental in helping to secure U.S. EPA National Estuary Program designation for the Indian River Lagoon (IRL) in 1990. In September 2015, his career came full circle when he was named Executive Director of a new special district of the state of Florida (IRL Council) that will serve as the host of a reorganized Indian River Lagoon National Estuary Program. In this new role, Duane works with federal, state and local government agencies, scientific research organizations, academic institutions, elected officials, industry and the general public. The goal is to develop and implement a science-based restoration strategy for one of the nation's most threatened estuarine ecosystems.

Previous career experience includes: First program director for the acclaimed Brevard County Environmentally Endangered Lands Program (1991-1998); Vice President of Florida Research for Hubbs-SeaWorld Research Institute (1998-2008); Advisor to the Dean of the College of Sciences at University of Central Florida to create a long-range vision for a multi-disciplinary center for coastal research and technology development in conjunction with an expanded UCF coastal & sea turtle research center located within the Archie Carr National Wildlife Refuge (2009); and Senior Vice President of Science & Business Development at AquaFiber Technologies Corporation (2009-2015). As an AquaFiber senior executive, Duane provided leadership and oversight for all scientific and intellectual property activities associated with the company and its nutrient remediation technology development and applications.

Duane currently serves on the Board of Directors for the Florida Ocean Alliance (Vice-Chair). He also is serving his second term as a Governor-appointed board member of CareerSource Florida Inc.

Duane has been honored with numerous awards of recognition during his career.



Workshops

9:30 - 10:15 a.m.

Workshop #1

Building 7

Innovative Methods To Conduct Quality Research With Little-To-No-Funding

Scott Herber, Eastern Florida State College
Building 7, Room 114

Research and academia are historically based in tradition. It is this tradition that can both a friend and a foe to a budding researcher. Traditionally, funding for research is acquired from federal, state, and local governmental agencies through the granting process. As research has progressed and the availability of funds have been significantly reduced, the competition for those monies has increased exponentially. The average student finds themselves competing against seasoned researchers for slivers of funds. This unbalanced process with little alternative direction from mentors has created discouragement among students to pursue any form of research. This workshop intends to break away from the traditional grant funding mindset and enlighten students on the varying alternative avenues of accomplishing their research goals with little-to-no-funding while maintaining the quality and integrity of the research.

Reverse-Engineering the Resume of Your Dreams through Research Experience

Rebecca McLean, Aaron Santomauro, Leslie Simms and George Walters-Marrah, University of Central Florida
Building 7, Room 111

This panel of student ambassadors from the University of Central Florida will discuss how to plan out an undergraduate research experience that helps you reach your post-graduation goals. Developing the resume of your dreams is possible. These students have participated in paid summer programs and internships, traveled to national conferences, submitted their work for publication, and received funding to support their research activities. They will share how they planned ahead to make it all happen and how you can, too.

Planning your way to a Successful Conference Experience

Kelsey Eagen and Ashley Smith, University of North Florida
Building 7, Room 100

Attending a conference is a unique and rewarding experience; however, conferences can often be confusing and stressful. They elicit a number of plaguing questions such as, what do I do at the reception? With whom should I network and why? How does one "network"? Which poster sessions should I attend? This interactive workshop, designed for both experienced and inexperienced conference goers, aims to provide some answers to these questions and help prepare you to make the most of your future conference experiences. First, we will discuss ways to best prepare for a conference. Then we will discuss effective ways to navigate the conference environment from the initial reception to closing statements and everything inbetween. Finally, we will cover what to do after the conference to solidify any connections made at the conference and how to self-reflect on your experience.

Student Leaders Involvement in Advancing the Undergraduate Research Experience

Adrian Acuna Higaki, University of Florida
Building 7, Room 108B

Many Centers for Undergraduate Research (CUR) offices have a limited number of staff members. Therefore, involving undergraduate leaders in CUR office activities significantly extends the reach over the student body. The Center for Undergraduate Research Board of Students (CURBS) at University of Florida is an excellent example of undergraduate students collaborating with the CUR office. CURBS has more than 70 ambassadors which promote and enhance the undergraduate research experience at UF through peer advising, workshops, student outreach, and representation in our University's Administrative Committees. This type of involvement has not only allowed ambassadors to grow as students and leaders, but has also been mentioned multiple times as a significant experience in interviews for graduate and professional schools, internships and post-graduate jobs. This session will outline the advantages of this involvement, the services provided by CURBS, and guide students into creating or improving their own research based student leadership groups.

Your Path to Graduate School & Career Success Starts Today

Betsy Crawford, Florida State University
Building 7, Room 108C

As an undergraduate student involved in research, you are already a strong candidate for competitive graduate school programs. Learn how earning a graduate degree can support career success and the steps to take now to boost your application. The workshop includes an overview of resources available to create an outstanding application and a preparation timeline that will keep you ahead of the game.

11:30 a.m. - 12:15 p.m.

Workshop #2

Building 7

A Proposal for the 2019 Florida Undergraduate Research Leadership Summit

Sophia Anagnostis, Stephanie Ciricillo, Adrian Acuna Higaki and Jamarcus Robertson, University of Florida
Building 7, Room 114

The Center for Undergraduate Research Board of Students (CURBS) at the University of Florida is proposing a summit for undergraduate student leaders to share best practices and discuss how to enhance the undergraduate research experience. CURBS's proposal will provide an opportunity for student leaders throughout the state to engage in improving the undergraduate research experience. Many Florida institutions have student-led groups involved in the goals of their undergraduate research office. We are inviting all undergraduate student leaders to be involved in the planning committee of this summit. This session will serve as the first student exchange of ideas and as a way to become part of the Summit Planning Committee.

Navigating Research and Graduate School with a Learning DisABILITY: Technology Solutions, Self-Advocacy and Strategies for Success

Jaime Craighead, Beacon College
Building 7, Room 111

The transition from undergraduate to graduate education, particularly in research-intensive graduate programs, can be a challenge. It is not uncommon for students to get an initial diagnosis of a learning disABILITY while in graduate school. The increased time spent reading, working on research projects, screen time on computers and very little time for outside activity can tax anyone's visual system and attention span. For those with diagnosed or undiagnosed learning disabilities, being informed about the technology solutions commonly used by students with learning disabilities can assist graduate students to be successful in their courses and research endeavors. This presentation will provide an overview of technology solutions and strategies that can be used by anyone involved in research to maximize their productivity. Self-advocacy and navigating the process for seeking accommodations at large research universities will also be discussed.

Avoiding the Dark Side: Cases in Research Ethics

Tracy Baker and Jennie Soberon, Florida Atlantic University
Building 7, Room 100

Although research ethics are often discussed in black-and-white terms such as what is "right" and what is "wrong," sometimes it is hard to judge the light side from the dark side. Join us for an interactive presentation where "The Force"

guides you along the perilous path over to the light side of Research Ethics. We will briefly discuss the historical background of unethical research and the need for ethical research guidelines. Then you can ask yourself, “What would I do?” as we examine cases of unethical research practices across a variety of disciplines, including modern cases of unethical research in areas such as social media. Other topics of discussion will include ethical research methods, authorship and the use of human and animal subjects.

How to Ask for, Process and Use Feedback in Undergraduate Research

Kevin Jardaneh, University of Central Florida
Building 7, Room 108B

Red track changes in Word, “bleeding” term papers filled with red pen and rejection letters from publications: feedback in undergraduate research conjures vision of “failure” for many students. This is a problem because feedback is a central part of academic research, as an undergraduate and beyond. This interactive workshop aims to help students harness the power of feedback to improve their research. It will focus on feedback as a cycle: asking for feedback, managing emotional responses to feedback analyzing feedback and planning for improvement.

Applying Graduate School

Zhengrong Li, Eastern Florida State College
Building 7, Room 108C

There are a lot of reasons to go to graduate school. Two of the most common ones are: a graduate degree can open up a wider array of career opportunities, for example, in psychology, social work, healthcare. Second, an advanced degree can help transition to another career - whether out of desire or necessity. This presentation helps the undergraduate student learn the importance of graduate school to succeed in chosen careers. Its aim is to assist students in the planning, searching and applying graduate schools in their fields and choices.

As the results of the presentation the participants will be able to:

- Search and collect information on graduate schools based on interests and chosen careers
- Analyze financial issues and school strengths that match you best before the application
- Prepare a strong application package
- Ace the Graduate/Professional School Interview

1:30 - 2:15 p.m.

Workshop #3

Building 7

Summer Off-Campus Research Experiences

Kimberly Schneider, University of Central Florida
Building 7, Room 114

Summer is a great time to participate in research and there are numerous programs available to students away from their home institution. Summer programs are available at hundreds (maybe thousands) of universities and research institutions. Opportunities are available nationally and internationally and many provide a stipend, travel costs, housing and/or board. Applications open in late fall and deadlines occur from early January through the end of March. Opportunities exist for all majors, but more are available for students in the fields of science and engineering. Fall and spring semester opportunities also exist. This workshop will provide an overview of opportunities, information on how to create a strong application and resources to help students through the process.

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- Search and collect information on graduate schools based on interests and chosen careers
- Analyze financial issues and school strengths that match you best before the application
- Prepare a strong application package
- Ace the Graduate/Professional School Interview



Poster Session 1

8:30 - 9:15 a.m.

Poster Session #1

Building 6 (Gym)

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, Alexis McCurry, 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

Poster Presentations

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'voyn 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 Jeffry 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 and John Krigbaum, University of Florida
86. Urban Agriculture
Kyrsteen Webster, Aleczaider 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

Poster Presentations

Poster Session 2

10:30 -11:15 a.m.

Poster Session #2

Building 6 (Gym)

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 Jeffry Fasick, University of Tampa
32. Gait Disturbances as Predictors of Dementia of the Alzheimer's Type (DAT)
Paula Paseiro-Nunez, Sabrina Cajuste, Paula Paseiro Nunez 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. Beta Arrestin 2 Deficiency Attenuates Tau Pathology
Teresa Kee and Junga Woo, University of South Florida
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, 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 DeMil, 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 Jeffry 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 DyBa₂Cu₃O_{7-δ} 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



Poster Session 3

2:30 -3:15 p.m.

Poster Session #3

Building 6 (Gym)

1. Views on Climate Change
Olivia Diaz, Henry Castillo, Eric Levy and Monica Escaleras, Florida Atlantic University
2. A Landmarks-Based Navigation Application using Geographic Coordinates.
Yohannes Almaw and Reddivarie Sandeep, University of North Florida
3. Modulation of Fear Memory Extinction by Prelimbic SK Channels
Ronithe Senatus and Robert Stackman, Florida Atlantic University
4. Effects of Cogongrass and Climate Change on Ant Communities
Sara Alvarez and Andrea Lucky, University of Florida
5. Aloe Vera as a Bactericide
Lorraine Bermudez and Flora Chisholm, Valencia College
6. The Effects of 17 α -ethinyl-estradiol (EE2) on Sexually Selected Banding Patterns of the Sexually Dimorphic Gulf Pipefish, *Syngnathus scovelli*
Guadalupe Sepúlveda Rodríguez and Emily Rose, University of Tampa
7. CXL146: A Novel Therapeutic Agent That Selectively Targets Multidrug Resistant Leukemia
Jordy Botello and Chengguo Xing, University of Florida
8. Beatin' into Submission: Trauma Bonding in "The Dark Tower" and "The Walking Dead"
Michelle Scrogam and Warren Jones, Eastern Florida State College
9. Investigating the Resistance and Sensitivity of *Rhizopus delemar* Strains on Various Drugs and Utilizing the CRISPR/Cas9 Endonuclease to Create Auxotrophic Mutants
Arianna Broad and Ping Wang, Florida State University
10. The Distribution of Antibiotic Resistant Bacteria in the Indian River Lagoon
Anthony Cervone and William Stewart, Eastern Florida State College
11. Preservation Project Jacksonville: A History
Kaley Crawford and Maria Mark, University of North Florida
12. The Influence of Parental Behavior on Children with Anxiety and Comorbid Attention Deficit/Hyperactivity Disorder.
Isabella Herrera and Jeremy Pettit, Florida International University
13. Framing Ebola: A Textual Analysis of Ebola Coverage in the New York Times between March 2014 and August 2014
Alexis Cruz and Jelena Petrovic, Stetson University
14. Influence of Geometry-Induced Frequency Dispersion on the Impedance of Rectangular Electrodes
Katherine Davis and Mark Orazem, University of Florida

Poster Presentations

15. Helicopter Parenting in Emerging Adulthood: Influence of Personal Experience on Perceptions Of Parenting
Nicole Bouchard, Lovia Feliscar, Wendy Rote and Renee Patrick, University of Tampa
16. Chitosan as an Oral Phosphate Binder
Michele Dill and Christopher Batich, University of Florida
17. Mutual Gaze Among Strangers
Allie Vaknin and Sally Hastings, University of Central Florida
18. Social Network Theory and the Developing Aquaculture Industry in Wakulla County
Maggie Dowd, Jordan Rundle, Allen Byrd and Wen-Chi Shie, Florida State University
19. Exploring Emotional Processing with fNIRS
Carly Doyon, Vernon Volante, Sara Fagan, Jesse Macyczko, Rachel Carpenter and Katherine Hooper, University of North Florida
20. Water Injection with CO₂: A Perspective for Carbon Sequestration.
Kevin Garcia and Myoengsb Kim, Florida Atlantic University
21. Genre, Identity, and Queer Maghrebi Literature
Ravital Goldgof and Corbin Treacy, Florida State University
22. Does A Sample of College Football Players with Sickel Cell Trait Differ from a Control Sample in Anthropometric Measures?
Deandre White and Lorena Madrigal, University of South Florida
23. The Role of Macrophages in Skin Regeneration in African Spiny Mouse (*Acomys Spp.*)
Jamarcus Robertson and Malcolm Maden, University of Florida
24. Feasibility of School Gardens to Address Childhood Obesity
De'Vohn Roman, Norrelle Walker, Thomas Rentz, and Dawn Witherspoon, University of North Florida
25. Psychoactive Medications in Skilled Nursing Facilities
Kayleigh Graves, Scott Wilkes and LeRee Moody, University of North Florida
26. La Palabra Publicada Para Apoderar y Aterrorizar: The Creative Resistance and Third Practices of tatiana de la tierra
Sara Gregory and Sonia Labrador-Rodriguez, New College of Florida
27. The Nature of Maps in the Digital Age
Nicholas Hearing and Jesse Klein, Florida State University
28. How Does Consociational Power Sharing Impact Ethnic Divisions in Northern Ireland?
Sarah Hollmann, Eugene Huskey and David Hill, Stetson University
29. Sanitized Diversity: Disney Channel and White America
Keaton Hughes and Queen Zabriskie, New College of Florida
30. Notch Signaling is Required for Brittle Star Arm Regeneration
Maleana Khoury and Vladimir Mashanov, University of North Florida

31. The Development of a Screening Assay for the Detection of Substrate Specificity Among Bacterial Agmatine Deiminases
Ilma Kovac and Bryan Knuckley, University of North Florida
32. Growth and Characterization of Titanium Nitride Using Reactive Sputtering Physical Vapor Deposition.
AnaElisa Linhares and Stephen Stagon, University of North Florida
33. Understanding the Dietary Preferences of The Sea Slug *Elysia papillosa*: A Story of Conflicting Observations
Michael McKibben and Michael Middlebrooks, University of Tampa
34. Which came first - the Republican or the Business major?
Erin Bisesti and JeffriAnne Wilder, University of North Florida
35. Identification of Gamma-glutamyltransferase 6 as a key player in the oncogenic viral life cycle
Naeem Motlagh, Richard Smindak, Seung Jin Jang, Aria Sharma, Zsolt Toth, and Bernadett Papp, University of Florida
36. Predicting Patients' Trust in Physicians from Personality Variables, Ethnicity, and Gender
Zoreed Mukhtar and Charles Negy, University of Central Florida
37. The Molecular Mechanism for Cholera Toxin Disassembly by Protein Disulfide Isomerase
Morgan O'Donnell and Ken Teter, Univrsity of Central Florida
38. Characterizing Giant Exoplanets through Multiwavelength Transit Observations: HAT-P-5 b
David PeQueen and Daniel Dale, Embry-Riddle Aeronautical University
39. Examination of The Magnetic Interactions Between Divacant Fe Dimers In Graphene
Ronald Putnam and Jason Haraldsen, University of North Florida
40. The Exploration of Resveratrol and Its Oligomers
Michael Richter and Christos Lampropoulos, University of North Florida
41. Starburst Clusters as the Origin of Cosmic Rays
Alison Roxburgh and John Hewitt, University of North Florida
42. Human Immunodeficiency Virus Testing Barriers Among College-Aged Asian American Students
Lily Sant and Su-I Hou, University of Central Florida
43. Culture Through Color Perception in West Side Story
Marissa Secades and Barbara Mennel, University of Florida
44. The American Perception and Ideology Towards Refugees
Onur Basman, Esteban Cardenas, Eric Levy and Monica Escaleras, Florida Atlantic University
45. How Exposure to Pretrial Publicity Influences Gender Biases in Deliberations, Discussion of Trial Evidence and Judicial Instructions, and Verdicts
Stephanie Diaz Ortega and Christine Ruva, University of South Florida Sarasota-Manatee
46. The Distinction of Plants Using the Barcode of Life
Nikea Debidin and Nalini Odapalli, Valencia College, West Campus

47. Vote Choice: The Impact of Ideology Distance and Specific Policy Stance Distance
Lauren Sharp and Michael Binder, University of North Florida
48. Exploration of the Critical Habitat of Hawaiian Monk Seals
Madison Dowdy and Bridgette Froeschke, University of Tampa
49. Peace and Dissolution of Terrorist Groups: A Comparative Analysis of Euskadi Ta Askatasuna (ETA) and The Revolutionary Armed Forces of Colombia (FARC).
Galilhea Calderon and Zenel Garcia, Florida International University
50. The Graphic Display of Quantitative Suicidality Data: S-Plots
Jennifer Giddens and Dr. David Sheehan, University of South Florida
51. Code-switching Within the Noun Phrase in Spanish-English Bilinguals
Macarena Gonzalez-Del Riego and Antje Muntendam, Florida State University
52. North Korea: A Linguistic Analysis on Deviation From Standardized Korean
Kathalia Irizarry and Addie Sayers-China, University of South Florida
53. Integrating Community Knowledge with Citizen Science and Geographic Information Systems to Explore Climate Change Concerns in Hopkins, Belize
Julia Jeanty and Timothy Hawthorne, University of Florida
54. The Role of Dgt4 in the Neural Stem Cells
Wajiha Khalid and Timothy Megraw, Florida State University
55. Do Parents Who Smoke Protect Their Children from Secondhand Smoke at Home?
Selena Leonardo and Julia Soulakova, University of Central Florida
56. Individual Differences and Perception of Risk of Personal Care Products
Cristina Gimenez and Rober Riedel, and Cassandra Korte, Lynn University
57. Controlling Ultrafast Energy Exchanges in Optical Metamaterials
Devon Loughran, Pedro Spingola, Kaleb Exposito, and Greg Wurtz, University of North Florida
58. Functionalized Intrabodies as Novel Therapeutics for Alzheimer's Disease and Other Tauopathies
Ramapaada Medam and Yona Levites, University of Florida
59. Effect of pH on Calcium Uptake by Branchiostegite of the American Lobster
Lilian Nagle and Gregory Ahearn, University of North Florida
60. Muslim Slaves in Cuba and the Caribbean: Practice, Belief, and Legacy
Allison Overholt and Adam Gaiser, Florida State University
61. Cooperativity and Competition in the Simultaneous Binding of Intercalating and Groove Binding Agents to DNA
Paula Pimiento and Stephen Winkle, Florida International University
62. Fascinating Built and Natural Environments' Effects on Mood and Impulsivity
Devin Plant, Drew Brett, George Rocek, Nick Mazza, Marica Grahla and Christina Salnaitis, University of South Florida Saint Petersburg
63. Involvement of Endocannabinoid System in Innate Immune Responses to *Salmonella typhimurium* Infection
Larry Reser and Mariola Edelman, University of Florida

64. VR> IRL ;)?... Nope OMG!: How Ready Player One Forefronts Debord's Spectacle
Justin Sachariason and Warren Jones, Eastern Florida State College
65. Molecular Basis of N-B Transition of Human Serum Albumin, HSA on Ligand Binding Studied by Fluorescence Justice
Justice Albury, Raenell Dorsey and Vishwa Trivedi, Bethune Cookman University
66. Developing a Synthetic Sea Urchin Exoskeleton to Reduce Carbon Dioxide Emissions and form a Calcium Carbonate Precipitate
Alexis Base, Peng Yi and Mike Kim, Florida Atlantic University
67. Investigating SREBP2 as a Potential Zika Virus Host Cofactor
Alexander Bell and Hengli Tang, Florida State University
68. The Effects of Hyper-categorization on the Political Efficacy of LGBTQ+ Movements
Nathalia Carneiro and Maggie Cobb, University of Tampa
69. Barbie Meets Fiona: Conflicting Discourses of Beauty in Sci-fi Films
Rabecca Connors and Warren Jones, Eastern Florida State College
70. Skeletal Muscle's Circadian Rhythm in Health and Disease
Emilia De Jesus and Karyn Esser, University of Florida
71. Aviation Weather Conditions Prior to Tropical Cyclone Landfalls
Alexander Donato and Randell Barry, Embry-Riddle Aeronautical University
72. Current Distribution in a Segmented Bi-material Cathode with Battery and Capacitor Material
Christain Gaya and Annadanesh Shelikeri, Florida State University
73. Individual Differences as Antecedents of Performance on Cognitive Tasks
David Hall, Eilidh Watson, Jasmine Gonzalez, Mark Hodae, Kelly Hall, and Randall Croom, Stetson University
74. Direct and Indirect Contributions of Immune Cells in Xenograph Rejection
Haley Katz and Mahyar Nouri-Shirazi, Florida Atlantic University
75. Modeling Cholera Immunity Dynamics: The Role of Memory B-Lymphocytes
Henry Chang and Zhisheng Shuai, University of Central Florida
76. Testing a Deviance Regulation Theory Intervention in College Freshman
Angelina Leary and Robert Dvorak, University of Central Florida
77. Self-Assembly of Guanosine Derivatives as Building Blocks for Chemical and Material Research
Julia Monasterio, David Thai and Ying He, University of South Florida
78. Financial Systems and Assimilation of Chinese Diaspora in the American South
James Novello and Aaron Lan, Florida State University
79. Hydrofunctionalization of Alkenes and Alkynes with Iron Catalysts.
Gisselle Pombar and Paul Chirik, University of Central Florida

80. Effect of the Expression of the Lupus Associated Pbx1-d Isoform on Mesenchymal Stem Cells (MSCs) in a Mouse Model of Lupus
Brian Robusto and Laurence Morel, University of Florida
81. Safety of Chronic Intranasal Oxytocin Administration and Functional Benefits in Aging
Dinia Salmeron, Jessie Somerville and Natalie Ebner, University of Florida
82. Quantity vs Quality
Kyle Ziegler, Derream Auguste, Monica Escaleras and Eric Levy, Florida Atlantic University
83. Salmonella Meningitis in an Infant
Brittany Garrett and Silvana Carr, University of South Florida
84. Selective Detection of M. tuberculosis Utilizing Split Peroxidase-like Deoxyribozymes
Anna Balenko and Yulia Gerasimova, University of Central Florida
85. Focus on My Brains, Not My Booty: Perceptions and Experiences of Women Building Careers in Media
Brooke Dann and William Berry, Bethune-Cookman University
86. Infaunal Communities on Restored Oyster Reefs and Stabilized Shorelines
Katherine Harris, Aiesha Stevens, Melinda Donnelly and Linda Walters, University of Central Florida
87. Software Development
Erika Cardenas, Connor Shorten, Eric Levy, and Monica Escaleras, Florida Atlantic University
88. Initial Results of Eps15 Homology Domain Proteins Structural Analysis
Connor Colby and Scott Stagg, Florida State University
89. Healthy Eating and Physical Activity Interventions Based on Florida Department of Health-Volusia County Hospitalization/Emergency Department Data and Sociodemographic Profiles by Zip Code
Edward Curry, Elena Finver and Laura Gunn, Stetson University
90. The Study of Moringa oleifera Under Mars Lighting Conditions
Deanna DeMattio and Peter Merkle, Embry-Riddle Aeronautical University
91. Furries Now!: Situating Modern Art Communities
Jay Dotson and Dillon Mahoney, University of South Florida
92. Population Structure and Genetic Variation Associated with Morphological Differences of Eastern Mosquitofish, *Gambusia holbrooki*, in Florida Waterways
Grayce Dyer and Natalia Belfiore, University of Tampa
93. Circumvolve: Narratives and Responses to Life
Rachel Huff Smith and Sheila Goloborotko, University of North Florida
94. The Socio-Ecological Politics of Charcoal Production in the Ya'bad Region of the West Bank
Jonathan Valentine, Tareq Abu Hamed, Lavi-Neeman and Robert Sullins, University of South Florida

Poster Session 4

4:30 -5:15 p.m.

Poster Session 4

Building 6 (Gym)

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

Poster Presentations

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 and 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 and Alicja Copik, University of Central Florida
84. Factors That Affect the Detection of *Wolbachia* in Mosquitoes and Nematodes
Andrew White, Jennifer Bess and 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 Yedanaparthi, 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



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The image features a vibrant green and blue geometric background. In the top right corner, there is a white rounded rectangle containing the word "Notes" in a bold, black, sans-serif font. Below this, the background transitions into a light blue and white geometric pattern. A series of horizontal lines, resembling a notebook page, are drawn across the lower portion of the image, providing a space for writing.

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