Welcome to the 2019 Florida Undergraduate Research Conference (FURC) at the University of North Florida! UNF, and especially the Office of Undergraduate Research, are excited to welcome you to our eco-friendly campus, surrounded by a nature preserve, beautiful lakes, and nature trails.

This year, over 380 posters will be presented to more than 600 participants from across the state of Florida. During the conference, you will have the opportunity to attend poster sessions, network with graduate school recruiters, and attend professional development workshop sessions.

Thank you to everyone who made this possible and I hope you enjoy FURC 2019!

- Kelsey Eagen
Conference Coordinator
# Conference Schedule

## Friday, February 22

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>5 - 8 p.m.</td>
<td>Registration and Reception</td>
<td>Boathouse and Osprey Plaza</td>
</tr>
<tr>
<td>7 - 7:45 p.m.</td>
<td>Keynote Speaker: Dr. John Kantner</td>
<td>John Delaney Student Union</td>
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</tbody>
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## Saturday, February 23

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>7:30 - 8:30 p.m.</td>
<td>Check-in and Breakfast</td>
<td>Fieldhouse</td>
</tr>
<tr>
<td>8:30 - 9:30 a.m.</td>
<td>Poster Session I</td>
<td>Fieldhouse</td>
</tr>
<tr>
<td>9:45 - 10:30 a.m.</td>
<td>Workshop Session I</td>
<td>John Delaney Student Union West 3rd floor</td>
</tr>
<tr>
<td>10:45 - 11:45 a.m.</td>
<td>Poster Session II</td>
<td>Fieldhouse</td>
</tr>
<tr>
<td>Noon - 1:30 p.m.</td>
<td>Lunch</td>
<td>John Delaney Student Union Osprey Cafe</td>
</tr>
<tr>
<td>1:45 - 2:45 p.m.</td>
<td>Poster Session III</td>
<td>Fieldhouse</td>
</tr>
<tr>
<td>3 - 3:45 p.m.</td>
<td>Workshop II</td>
<td>John Delaney Student Union West 3rd floor</td>
</tr>
<tr>
<td>4 - 5:00 p.m.</td>
<td>Poster Session IV</td>
<td>Fieldhouse</td>
</tr>
</tbody>
</table>

*A campus map is located in the back of the program.*
Keynote Speaker: Dr. John Kantner

Associate Vice President for Research &
Dean of the Graduate School
University of North Florida

John Kantner, Ph.D., was appointed Associate Vice President for Research and Dean of the Graduate School of the University of North Florida in 2014. Prior to that, he was Vice President for Academic & Institutional Advancement at the School for Advanced Research in Santa Fe, NM, an independent “think tank” for the social sciences and humanities. From 1999 to 2006, Dr. Kantner was a faculty member in the Department of Anthropology & Geography at Georgia State University in Atlanta, where he achieved the rank of associate professor with tenure prior to his departure.

Dr. Kantner is an anthropological archaeologist with a broad background in several disciplines. He received his doctorate from the University of California–Santa Barbara, where he studied archaeology, anthropology, geography, geochemistry, behavioral economics, and evolutionary theory. His research has focused on ancient peoples of the U.S. Southwest, but he also has collaborated on archaeological investigations in Central America, South America, the U.S. Plains, U.S. Southeast, and the U.S. Rocky Mountains, on projects ranging from explaining political violence in ancient societies to modeling human movement across digital landscapes and extracting human fingerprints from 1,000-year-old pottery. Dr. Kantner has been recognized with numerous grants and awards, including one of the only five NSF CAREER grants ever awarded to an archaeologist, a Presidential Recognition Award by the Society for American Archaeology, and the top award in an international multimedia competition sponsored by Apple Computer. He has been invited to lecture and appear in documentaries globally, including on the Discovery, History, Smithsonian, and Travel channels.
RESEARCHING GRADUATE PROGRAMS
Lee Gordon, Perdue University
3703A

This workshop will educate how participants can effectively research available programs, learn about free travel to national graduate school recruiting fairs, hear what matters most to others searching for graduate programs, and to locate data points that matter most to them in finding the perfect fit. Participants will also learn about application fee waivers, contacting faculty about funding, and how all of this comes into play in making a decision of where to apply for an advanced degree.

PLAYING TO YOUR STRENGTHS: KNOW ALL OF YOUR OPTIONS WHEN APPLYING TO GRADUATE SCHOOL
Katelyn Haschke, Fort Hays State University
3703B

This session is intended for all undergraduate students planning to apply to graduate school. The process of applying is both an exciting and stressful time; the purpose of this interactive workshop is to discuss how to highlight strengths as a student, researcher, and young professional when applying to various graduate programs. Two main topics will be discussed. First, building a strong application by: crafting an effective personal statement, knowing who to request a letter of recommendation from, and organizing your curriculum vitae to stand out among peers. Second, the importance of considering programs outside of your Bachelor’s degree field as a way to broaden interdisciplinary expertise and set yourself up for success as you plan for a future job past graduate school. Time will be reserved for questions from attendees.

WHAT STEM STUDENTS NEED TO KNOW ABOUT INTELLECTUAL PROPERTY
Christopher Turoski, University of Minnesota
3703C

From this session you will learn how IP and patents can support your career as a business person, academic, or another alternative career path. A STEM degree prepares you for many career roles in business and academia. In business, IP issues help distinguish you from your peers, and help contribute to the bottom line. In academia, you get ahead by navigating a complex scheme of grants, publications, and teamwork, which can undercut or complement obtaining IP for your work. In addition to careers in business and academics, you may be interested in an alternative career path such a patent lawyer or patent agent. This session will cover these topics (i.e. IP/patents as a business, research and career tool).

TIPS, TRICKS AND ADVICE ON APPLYING TO GRADUATE SCHOOL
Liani Ramos, New York University
3703D

My presentation covers all the common questions and concerns that students have regarding applying to graduate school but it’s also packed with tips, tricks and advice directly from an admissions officer from NYU. It will go over an ideal timeline, best practices, tips and insider information about admissions at the graduate level, what types of things faculty look for, finding funding and much more.
YOUR PATH TO GRADUATE SCHOOL & CAREER SUCCESS STARTS TODAY
Betsy Crawford, Florida State University
3804

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.

APPROACHING GRADUATE RESEARCH: ARCHIVAL RESEARCH, DATABASES, AND DIGITAL HUMANITIES TECHNIQUES
Louise Kane, University of Central Florida
3805

This workshop offers a practical, ‘hands on’ guide for undergraduate researchers who want to understand more about how to conduct archival research, and how database searching and digital humanities techniques can make this task easier. Designed to prepare undergraduate students for the types of research they’ll be undertaking at graduate school, the workshop offers a foundation for learning the major ways to begin archival research. This includes how to search for ‘hard to find’ texts using online databases and archives, learning how to use ‘finding aids’, and also learning how Digital Humanities techniques can help students to ‘map out’ and visualize their research as it begins to progress. The course is designed for beginners: you do not need any experience of searching databases, or conducting archival research, and you also don’t need any prior familiarity with Digital Humanities.

BUILDING ACADEMIC RELATIONSHIPS
Lindsey Weglarz, University of Central Florida
3806

Academic relationships play a very important role in not only the graduate admissions process, but also a student's future career path. A great relationship with a faculty mentor can provide opportunities for years beyond college, whether through research experiences, introductions to colleagues, or even just by providing good advice. In the graduate admissions process, recommendation letters from current faculty mentors can play a determining role in whether a student is admitted, while relationships cultivated in the prospective program can also increase the chances of admission. This workshop provides strategies for building relationships with current faculty and networking with faculty at other institutions, and as well as discussing best practices for communicating with faculty during the graduate admissions process.
HOW TO: COPE WITH FEEDBACK ON YOUR RESEARCH
Aubrey Kuperman, University of Central Florida
3601
Have you ever gotten a draft back and felt defeated by all of the notes or comments? Or been unsure of how to improve? Join this session to learn more about what can make feedback so hard and pick up concrete strategies to improve your ability to process it and improve your work.

MAKING THE MOST OF COURSE PROJECTS
Matthew Eicholtz, Florida Southern College
3602
For many students, course projects elicit negative feelings of fear, reluctance, and uncertainty. What if I get stuck with peers who are difficult to work with? How will I choose a good idea to pursue? Will I receive a poor grade if my idea does not work as expected? How can I do well if the grading criteria seems so vague? Will this even matter for my career if I am only a freshman or sophomore? Perhaps other students view the ambiguity of projects as a chance to settle for the minimum amount of effort required or to rely on other group members to do the brunt of the work. In this workshop, we will explore how course projects can be a critical part of your academic growth and offer tips and tricks for maximizing their value for your future career. Course projects are a great opportunity to investigate a topic of personal interest or gain traction in a field that students wish to pursue long-term. Projects also allow students to demonstrate relevant skills for conducting research; indeed, successful projects may launch research opportunities with the professor teaching the class. We will discuss ways to leverage course projects for your career search such as highlighting them on your resume or talking about difficult challenges in an interview. Finally, instructors may benefit from reflecting on how to effectively integrate projects in their courses to prepare students for success in research and beyond.
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HOW TO: GET A GREAT LETTER OF RECOMMENDATION
Aubrey Kuperman, University of Central Florida
3804

Letters of recommendation are a requirement for graduate school and professional schools, scholarships, internships, summer research experience, and sometimes the job search. Learn more about when and how to ask for letters of recommendation, and how to follow up with those who write them for you.

SUMMER OFF-CAMPUS RESEARCH EXPERIENCES
Kimberly Schneider, PhD, University of Central Florida
3805

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 numerous 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 December through the end of March. Opportunities exist for all majors but more are available for students in the science and engineering areas. Fall and spring semester opportunities also exist. This workshop will provide an overview of these opportunities, information on how to create a strong application, and resources to help students through the process.

A DEBRIEFING OF THE FIRST ANNUAL FLORIDA UNDERGRADUATE RESEARCH LEADERSHIP SUMMIT
Sophia Anagnostis, Stephanie Ciricillo, Katherine Ngo, University of Florida
3806

On January 23-24, over 40 student undergraduate research (UR) leaders from 16 Florida institutions met to share best practices, and to discuss ways to enhance the undergraduate research experience across the state. Established UR student groups provided guidance to others interested in forming/refining a group on their campus. The Summit included workshops on setting up a student-run Center for UR, Peer Mentorship, student developed campus UR activities, and marketing UR. In addition, round table discussions provided a venue for all participants to discuss topics pertinent to their campuses. This workshop will present highlights and recommendations that were developed during this summit. We invite all undergraduate research student leaders to attend. Plans to continue this state-wide student-led conference will also be discussed.

FUNDING YOUR GRADUATE EDUCATION
Albert Hoyt, Florida International University
3601

More than 2.25 million people apply to graduate programs in the United States every year and many of these applicants are looking for ways to fund their degree. From assistantships to fellowships, learn the basics of funding your graduate education. Don’t pay for your graduate degree on your own!
RESEARCHING GRADUATE PROGRAMS

Lee Gordon, Purdue University
3602

This workshop will educate how participants can effectively research available programs, learn about free travel to national graduate school recruiting fairs, hear what matters most to others searching for graduate programs, and to locate data points that matter most to them in finding the perfect fit. Participants will also learn about application fee waivers, contacting faculty about funding, and how all of this comes into play in making a decision of where to apply for an advanced degree.

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1. **Optimization of Ultrahigh Pressure Extraction Method Using Statistical Analytical Techniques**
   Sonali Pandey, Siddharth Kesharwani, Omer Farooq
   Embry Riddle Aeronautical University

2. **Investigating the Effects of Acute Immersion Exposure to the Antidepressant Venlafaxine on Phototaxis in Larval Danio Rerio**
   Abdullah Afridi, Christopher Souders, Christopher Martyniuk
   University of Florida

3. **Food Fighters - A Food Recovery Program to Fight Hunger**
   Lauri Wright, Alice Sanchez
   University of North Florida

4. **Waking Up from the American Dream: Examining Attitudes Toward Economic Mobility Among American Voters**
   Alexander Adams, Douglas Ahler
   Florida State University

5. **The Localization of Ninein and Formation of Non-Centrosomal MTOCs by ZIKV**
   Aquesha Addison, Timothy Megraw
   Florida State University

6. **There Is Something in the Water! Contribution of Chlorination By-Products in the Water Leading to the Head and Neck Cancer Prevalence in Tampa Bay**
   Kimberly Dobrinski, Michele Crosby, Matthew Mifsud, Aaron Joseph, Siara Isabella
   The University of Tampa

7. **Understanding the Relationship Between Goal Strivings, Feedback Environment, and Feedback Orientation**
   Alara Arpaci, Kelly Hall
   Stetson University

8. **African Spiny Mouse (Acomys) Regeneration Following Acute, Chronic, and Volumetric Muscle Loss Injuries**
   Aaron Gabriel W. Sandoval, Jason O. Brant, Malcolm Maden
   University of Florida

9. **Aortic Valve Leaflet Curvature as a Function of Elastin Degradation**
   Amanda Barreto, Asad Mirza, Ahmed Ali, Sharan Ramaswamy
   Florida International University

10. **Resveratrol and Its Analogs Inhibit Triple-Negative Breast Cancer Motility by Regulation of Epithelial-Mesenchymal Transition**
    Megan Keller, Analiese Thomas-Larocque, Rachel Ranschau
    Florida Gulf Coast University

11. **Loyalty to the King: The Circuits' Interpretation of the Overhauled Police-Created Exigency Doctrine**
    Alexander Cuneo
    Florida International University

12. **How Facebook Usage Affects Mental Health of College Students: Rumination Group Results**
    Adam Barrett-Clarke, Hannah Buzbee, Gina Marie Weis, Michael Stasio, Erin Koterba, Erica Yuen
    The University of Tampa

13. **Adherence to WCRF/AICR Cancer Prevention Recommendations and Its Impact on Cancer Incidence, Recurrence, and Mortality**
    Angelina Figueroa, Nadia Durham, Eunkyung Lee
    University of Central Florida
14. IT TAKES A VILLAGE TO RAISE WATER QUALITY: THE EFFECTS OF SELF-TAXATION MECHANISMS ON LAKE WATER QUALITY IN ORANGE COUNTY, FL
Andrew Hutchens, David Scroggin
University of Central Florida

15. COLLABORATIVE BIM: AN INNOVATIVE FRAMEWORK FOR LEARNING ARCHITECTURAL STRUCTURES
Aldrin James Gaffud, Nawari Nawari
University of Florida

16. THE RELATIONSHIP BETWEEN A FAMILY’S ECONOMIC STATUS AND THEIR CHILD’S ACADEMIC ACHIEVEMENT
Amanda Prozeralik, Jaylene Sosa, Skyler Pittman, Leigh Treadway, Sara Luepschen
Florida State University

17. SYNTHESIS AND COMPUTATIONAL STUDIES OF PEPTIDOMIMETICS AS POTENTIAL ANTICANCER AGENTS
Aaron J. Todman, Reed W. Roberts, Lucas S. Kline, Ralph N. Salvatore
Southeastern University

18. VIABILITY LOSS DURING THERMOINHIBITION STRESS IN DIFFERENT MASS RUDBECKIA MOLLIS (ASTERACEAE) SEEDS
Alec Chin-Quee, Nicholas Genna, Hector Perez
University of Florida

19. POLITICAL DIVIDE AND ITS INFLUENCE ON CIVIC ENGAGEMENT
Anthony Vultaggio, Alejandra Rodriguez
Florida Atlantic University

20. REDUCTION OF VOLUMETRIC SHRINKAGE IN STRUCTURES FABRICATED WITH MULTIPHOTON LITHOGRAPHY
Alexander Cockerham, Stephen Kuebler
University of Central Florida

21. EPISTEMIC INJUSTICE AND CREDIBILITY DEFICIT OF WOMEN IN MEDICINE
Destani Pennington
University of North Florida

22. COMPARATIVE ANALYSIS AND IDENTIFICATION OF CLASS 1 CRISPR-CAS GENES OF RECREATIONAL WATER STAPHYLOCOCCUS AUREUS
Brandon Lopez-Duenas, Rajesh Melaram
Eastern Florida State College

23. SUSCEPTIBILITY OF GL26 AND GL261 CELLS TO INFECTION BY THEILER, MURINE ENCEPHALOMYELOITIS VIRUS
Devon Grey, Eric C. Freundt
The University of Tampa

24. THE STUDY OF SUPER FOODS FOR MARS EXPLORATION
Deanna DeMattio, Rafael Rodriguez, Hannah Skeen
Embry Riddle Aeronautical University

25. EFFECTS OF SOCIAL AND ACADEMIC ENGAGEMENT ON EPISODIC MEMORY IN YOUNG ADULTS
Kassandra Ramsdell, Sara Festini
The University of Tampa

26. BEYOND STEREOTYPES AND TYPECASTING; AN EXAMINATION OF TV REPRESENTATIONS OF AFRICAN AMERICAN FAMILY LIFE
Monique M. Satterfield
Bethune-Cookman University

27. SMOKING CESSATION FOR PREGNANT WOMEN: A REVIEW OF BEST PRACTICES
Allison Barthel, Mary Martinasek
The University of Tampa

28. THE EFFECT OF ANTENATAL LACTATION EDUCATION FOR MOTHERS DELIVERING PREMATURE INFANTS AND THEIR SUPPORT PERSON ON TIME TO SECRETORY ACTIVATION
Darchelle Excellent, Leslie Parker
University of Florida

29. FAT AND SODIUM CONTENT OF THE DIET INFLUENCE GLUCOSE METABOLISM, FOOD INTAKE AND BODY WEIGHT IN MALE WISTAR RATS
Tatyana Kimble, Alireza Jahan-Mihan
University of North Florida
30. SUCCESS IN LEARNING DISABLED STUDENTS  
Emily Abramson  
Beacon College

31. GROWTH AND SURVIVAL RATE OF THE SEA SLUG  
ELYSIA SUBORNATA FEEDING ON VARIOUS SPECIES OF CAULERPA  
Sara Casareto, Michael Middlebrooks  
The University of Tampa

32. UNDERSTANDING FISHING PRACTICES IN CABEZA DEL TORRO, DOMINICAN REPUBLIC  
Jahza Klochko, Jeanette Misuraca, Gabriela Villalobos, Julia Walton  
University of Florida

33. A NOVEL DEVELOPMENTAL MECHANISM PATTERNS LEGS IN TARDIGRADES  
Mandy Cumming, Frank W. Smith  
University of North Florida

34. EFFORTS TOWARD THE SYNTHESIS OF 3,4-DIHYDROXYPHENYLACETALDEHYDE (DOPAL): A POTENTIAL ENDOGENOUS NEUROTOXIN THAT MAY PLAY A ROLE IN THE DEVELOPMENT OF PARKINSON’S DISEASE  
Darby Huber, Tori Scheffler, Nicholas Schofield, Josue Deslauriers, Jacob R. Hobby, Terrence E. Gavin, Ralph N. Salvatore  
Southeastern University

35. PIKE KILLIFISH POPULATIONS IN FLORIDA  
Sy TerAvest, Natalia Belifore  
The University of Tampa

36. THE PEER-MENTORING PROGRAM THAT CHANGED THE DYNAMICS OF GATEKEEPER COURSES AT BCU  
Tristen Johnson, Danyell S. Wilson-Howard  
Bethune-Cookman University

37. THE INTERACTION OF COMMUNITY-BASED LEARNING EXPERIENCE INTENSITY AND SEX ON EMPATHY  
Christiana Lall, B. Lynn McElyea, Keely Lardizabal, Jody Nicholson  
University of North Florida

38. A NOVEL STRATEGY FOR TARGETING HIV: TODAY AND IN THE FUTURE  
Richard Suarez, Janelle Nunez-Castilla, Jessica Liberles  
Florida International University

39. USING MUNG BEAN NUCLEASE AND BAL 31 NUCLEASE TO PROBE THE BINDING OF N-METHYLPYRIDYLPORPHINES TO PHIX174 DNA  
Edilmary Urdaneta, Stephen Winkle  
Florida International University

40. THE EFFECT OF FAT AND SODIUM CONTENTS OF THE DIET ON FOOD INTAKE, BODY WEIGHT, AND BODY COMPOSITION IN MALE WISTAR RATS  
Kea Schwarz, Alireza Jahan-Mihan  
University of North Florida

41. EXAMINING FORENSIC EXPOSURE AND FORENSIC KNOWLEDGE  
Giovanna M. Alves, Daniel S. McConnell, Peter A. Hancock  
University of Central Florida

42. THE EFFECTS OF MUSIC TIMING ON AEROBIC EXERCISE EXPERIENCE  
Stephanie Escobar, Cristina Hernandez  
Florida International University

43. EFFECTS OF GLOBAL CLIMATE CHANGE ON BUILDING ENERGY CONSUMPTION AND ADAPTATION MEASURES IN FLORIDA  
Anna Kolodziejski, Aiyin Jiang  
University of North Florida

44. RE-READING THE BELL JAR THROUGH DIGITAL HUMANITIES: GRAPHICAL LINGUISTIC ANALYSIS AND NEW FEMINIST READINGS  
Isabella Hardesty  
University of Central Florida

45. ENHANCED RESOURCE RECOVERY FROM SECONDARY WASTEWATER BY INTEGRATING ALGAE IN A SUBMERGED FORWARD OSMOSIS SYSTEM  
Sara Eghtessadi, Shiqiang Zou, Zhen He  
University of Florida
46. "ALL GRADES OF LIFE:" THE ISSUE OF CLASS IN AMERICAN COOKERY
Kennedy Harkins
University of Central Florida

47. THEODORE ABEL AS A POLITICAL THEORIST: NAZI WITNESSES AND THE EXCLUSION OF WOMEN
Sarah Warren, Daniel Maier-Katkin, Nathan Stoltzfus
Florida State University

48. A COMPARISON OF THE COAGULATION OF MICROALGA (GYMNODINIUM) BETWEEN CHITOSAN AND ALUM AND EFFECTS ON MACROALGAL (CHLOROPHYTA) SURVIVAL
Hannah Olson
Eastern Florida State College

49. A COMPARISON OF PHYSICAL ACTIVITY OF DUVAL COUNTY HIGH SCHOOL STUDENTS TO NATIONAL ACCORDING TO THE 2017 YRBS
Allie M Henderson, Abby Lorden, Montana Sloan
University of North Florida

50. AN EXPLORATION INTO THE PSYCHOTIC SYMPTOMS ASSOCIATED WITH SCHIZOPHRENIA AND MAJOR DEPRESSIVE DISORDER
Kyndester Michael-Samaroo
University of Central Florida

51. GRAPHIC AND ALGEBRAIC APPROACHES FOR R0 CALCULATION
Brian Chau
University of Central Florida

52. A META-ANALYSIS OF NEUROMYELITIS OPTICA EPIDEMIOLOGY IN LATIN AMERICAN NATIONS
Brittany M. Zengotita, Mohtashem Samsam
University of Central Florida

53. ONTOGENETIC SHIFTS IN VENOM COMPOSITION OF TWO RATTLESNAKE SPECIES (CROTALUS HORRIDUS AND CROTALUS ADAMANTEUS)
Emma Huff, Brandon Schonour, Schyler Ellsworth, Darin Rokyta, Matthew Holding
Florida State University

54. IMPACT OF STUTTERING ON COMMUNICATION ATTITUDE AMONG ADULTS WHO STUTTER AND THEIR LIFE PARTNER
Randy Panzarino, Martine Vanryckegehem
University of Central Florida

55. PREVALENCE OF INTESTINAL PARASITES IN RURAL LOCALITIES FROM PAMPA DEL INDO, CHACO (ARGENTINA) AND RELATED RISK FACTORS
Lindsay Richards, Cintia Delgado, Marcia Goy, Victoria Periago
University of Florida

56. A STUDY OF THE INTERNAL MENTAL REPRESENTATION HEALTHCARE PROFESSIONALS HAVE TOWARDS ADDICTION
Tyla Gelman, Curtis Phills
University of North Florida

57. INCREASING COGNITIVE CONTROL AND REDUCING RACIAL BIAS THROUGH ANTI-Stereotype Training
Kristan N. Palermo, Katherine C. Hooper, Jennifer M. Wolff, Tyla Gelman, Curtis E. Phills
University of North Florida

58. EFFECTS OF SUPERBLOOM CONDITIONS ON ZOOPLANKTON DENSITY IN THE INDIAN RIVER LAGOON, FL
Jonathan Johnson, Sarah Krejc
Bethune-Cookman University

59. UNDERSTANDING THE EFFECTS OF CLIMATE CHANGE ON AMERICAN ALLIGATOR SEX RATIOS
Molly O’Brien, Adam Rosenblatt
University of North Florida

60. DATA FUSION FOR A VISION-AIDED RADIOLOGICAL DETECTION SYSTEM - SODIUM IODIDE DETECTORS VERSUS LIQUID SCINTILLATOR DETECTORS
Kelsey Stadnikia, Kristofer Henderson, Sanjeev Koopal, Andreas Enqvist
University of Florida
61. REPRODUCTIVE SUCCESS OF MALE SYNGNATHUS SCOVELLI PIPEFISH ACROSS SEASONS
Magaleate Kostelnik, Julia Skowronski, Heather Masonjones, Emily Rose
The University of Tampa

62. ZORA NEALE HURSTON, TOVE JANSSON AND THE MODERNISMS OF GLOBAL WOMEN
Farrah Kurronen
University of Central Florida

63. CONSTRUCTION OF A TREATMENT WETLAND TO REDUCE NUTRIENT LOADING FROM STORMWATER RUNOFF INTO COASTAL WATERS
Miranda White, Abraham Disilvio, Hyun J. Cho
Bethune-Cookman University

64. THE GENETICS OF ALZHEIMER’S DISEASE
Annaleigh Nowell
Troy University

65. SHIFTING THE PARADIGM OF DEPRESSION BY STUDYING KETAMINE
Miguel Duran
Troy University

66. COLOR THEORY
Briana Borders
Troy University

67. FLORIDA RED TIDE AND THE ORGANISMS THAT ARE ABLE TO SUSTAIN LIFE IN SUCH CONDITIONS: CASSIOPEIA SP. AND BURSATELLA LEACHII
Alexandra Sullivan
The University of Tampa

68. THE GENDER FACTOR: HOW MALE AND FEMALE SEXUAL OFFENDERS ARE PERCEIVED AND PROCESSED DIFFERENTLY IN AMERICAN SOCIETY
Julia-Beth Brown
University of Central Florida

69. EXAMINING THE IMPACT OF FAMILY ON JUVENILE MENTAL HEALTH AND RECIDIVISM DURING REENTRY
Nicole Palmeri, Jill Viglione
University of Central Florida

70. THE EFFECT OF ALTERNATE SUPPLEMENTARY CEMENTITIOUS SOLUTIONS ON PORE WATER AND REBAR PASSIVATION
Christopher Ferraro, Caitlin Tibbetts, Alexander Campano
University of Florida

71. UBQUITIN-BINDING OF NASCENT POLYPEPTIDE-ASSOCIATED COMPLEX (NAC) PROTEIN IN ARCHAEA
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University of Florida

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23. THE UNCOVERED ILLNESS IN CHARLOTTE TEMPLE: SOCIOPATHY AND SOCIETY
Abigail Nelson
The University of Tampa

24. EVALUATION OF ANTIOXIDANT CAPACITY OF FLORIDA NATIVE AND NON-NATIVE PLANTS
Taylor Reid, Ciara Dove, Sally Tran, Rosa Chavez, Andrea Arikawa
University of North Florida

25. SELECTIVE NON-CATALYTIC REDUCTION (SNCR): TWO-ZONE MODEL
Melissa Messenger, Steven Hillesheim, Davis Lovell, Michael Williams, John Nuszkowski
University of North Florida

26. AUTOMATED CELL STRETCHING DEVICE FOR MECHANOBIOLOGY EXPERIMENTS
Myra Kurosu Jalil, Justin Keister, Anthony Yin, Chelsey Simmons
University of Florida

27. MATHEMATICAL MODELING ANALYSIS OF LONGITUDINAL CONTROL AND STABILITY FOR CARGO AND FIGHTER CLASS AIRCRAFT
Ayden Craig, Seenith Sivasundaram, Yungkul Kim
Embry Riddle Aeronautical University

28. A TAXONOMY OF CRITICAL INFRASTRUCTURE VULNERABILITIES: CASE STUDY APPROACH ON SCADA SYSTEMS
Jenisha Khanal, Ashley Newsome
University of Tampa

29. PARALLELS IN THE SECULARIZATION OF EARLY TWENTIETH CENTURY GOSPEL MUSIC AND STAINED GLASS
Anneliese Hardman
Palm Beach Atlantic University

30. USING FNIRS TO STUDY COLLEGE STUDENTS’ READING STRATEGIES
Jesse Macyzcko, Sabrina Greene, Daniel L. Dinsmore, Katherine C. Hooper
University of North Florida
31. GENERATION OF A DIFLUOROMETHYLMORRNITHINE (DFMO) RESISTANT CELL LINE IN A POLYAMINE DEPLETION STRATEGY
Neaba Noureddine, Kelsey Stadnikia, Kristofer Henderson, Sanjeef Koopal, Andreas Enqvist
University of Central Florida

32. EXPRESSION AND LOCALIZATION OF FOXI3 IN CLINICAL MURINE TUMOR MODELS
Ronald Young, Lauren Wiggins, Rashmee Silwal, Amy Koch, Laurie McCauley, Lorenz Christian Hofbauer, Jaqueline Jones
Troy University

33. MILD & EFFICIENT CS2CO3-PROMOTED SYNTHESIS ON SOLID PHASE
Lucas S. Kline, Ralph N. Salvatore
Southeastern University

34. EVALUATION OF THE MECHANICAL PROPERTIES OF EPOXY REINFORCED BY CARBON NANOTUBES
Olivia Bray, Grant Bevill, Stephen Stagon
University of North Florida

35. WEAPON-RELATED VIOLENCE IN DUVAL COUNTY, FL AND NATIONWIDE: AN ANALYSIS OF 2017 YOUTH RISK BEHAVIOR SURVEY (YRBS) DATA
Briana Lopez, Camryn Bergeron, Makinlea Dozier, Madisen Reasonover, Judith Rodriguez
University of North Florida

36. NATURISM AND PSYCHOLOGICAL WELL-BEING
Etiane Navarro, Renato De La Rosea, Ted Cascio
Palm Beach State College

37. THE EFFECTS OF PERPETRATORS OF SEXUAL HARASSMENT ON VICTIMS’ HEALTH OUTCOMES
Angelica Maramba, Jennifer Wolff
University of North Florida

38. THE ROLE OF SODIUM AND FAT CONTENT OF THE DIET ON SYSTOLIC AND DIASTOLIC BLOOD PRESSURE AND PULSE IN MALE WISTAR RATS
Leila Ninya, Alireza Jahan-Mihan
University of North Florida

39. CANNABIDIOL (CBD) KNOWLEDGE, ATTITUDES, AND BEHAVIORS AMONG YOUNG ADULTS
Meghann Wheeler, Julie Williams Merten, Benjamin Gordon, Andre Resto, Jennifer Henderson, Carmen Smotherman
University of North Florida

40. THE IMPACT OF OCEAN PLASTIC CONCENTRATIONS ON SMALL PLASTIC ABUNDANCE AT FLORIDA BEACHES
Elizabeth Harris, Shelby McKeever, Erika L. Doctor, Alanna Lecher
Lynn University

41. DOES MENTAL STATUS MODERATE THE RELATIONSHIP BETWEEN TRAUMATIC BRAIN INJURY HISTORY AND LIFE SATISFACTION?
Charlotte Amelia Payne
University of Central Florida

42. STEREOTYPES OF MAJOR AND NON-MAJOR POLITICAL PARTIES
Katie Locke, Michelle Powell, Elizabeth R. Brown, Curtis E. Phills
University of North Florida

43. CORROSION-FATIGUE BEHAVIOR OF BICOMPATIBLE METALS: A REVIEW
Timothy DelCharco, Jutima Simsiriwong
University of North Florida

44. CHARACTERIZATION OF IRON LOADING IN THE HEPIDIN KNOCKOUT RAT
Savannah Nelson
University of Florida

45. MUSEUM MAGIC: ENHANCING THE MUSEUM EXPERIENCE
Molly Walters, Anna DeJonge
Florida State University

46. VOLATILITY SHOCKS? ANOTHER LOOK AT OIL PRICE PASS-THROUGH
Kyle Cohen
University of North Florida
47. URBAN LANDSCAPE FEATURES AFFECT PATTERNS OF CO-OCCURRENCE OF THE RED IMPORTED FIRE ANT (SOLENOPSIS INVICTA) AND THE ARGENTINE ANT (LINEPITHEMA HUMILE)
Abigail Pierre, Joshua King
University of Central Florida

48. ACCESSIBLE CLASSICS: DIGITAL ADAPTATIONS FOR PEOPLE WITH READING DIFFICULTIES
Maria Angeles Fernandez Cifuentes, Teri Pepitone, Harth Schallen
University of North Florida

49. AN EXPLORATION OF THE RELATIONSHIP BETWEEN BRAND ENDORSEMENT OF POLITICAL CANDIDATES/CAUSES AND CONSUMER ATTITUDES AND BEHAVIORS TOWARD THE BRAND
Erin W. Burrows
Florida Southern College

50. GOT MILK? THE DIFFERENTIAL EFFECT OF HUMAN-MILK OLIGOSACCHARIDES IN BREAST AND FORMULA MILK BIFIDOBACTERIUM INFANTIS
Paula Sinche
University of North Florida

51. PARENTAL ATTACHMENT, INTOLERANCE OF UNCERTAINTY, AND ERROR-RELATED NEGATIVITY: THREE PROPOSED RISK FACTORS FOR COLLEGE STUDENT SUICIDAL IDEATION
Kayla Wagler, Austin Gallyer, Thomas Joiner
Florida State University

52. INVESTIGATING ROLE OF FC SIGNALING IN NEURODEGENERATIVE PROTEINOPATHIES
Elsa Gonzalez De la Cruz, Lindsay Fadel, Maria Yaroshenko, Pedro E. Cruz, Timothy Machula, Danny Ryu, Paramita Chakrabarty
University of Florida

53. "I BRING NOT PEACE, BUT A SWORD": RELIGION AND REVOLUTIONARY VIOLENCE
John Kelsay, Madelyn Johnson, John Lystad, Payton Parkin
Florida State University

54. LARGE ANTS DON'T CARRY THEIR FAIR SHARE: MAXIMAL LOAD CARRYING PERFORMANCE OF LEAF-CUTTER ANTS (ATTA CEPHALOTES)
Ebony D. Taylor, Paolo S. Segre
University of Florida

55. CHARACTERIZING 2,5-DIKETOPIPERAZINES PRODUCED BY A CYCLODIPEPTIDE SYNTHASE ENZYME FROM STREPTOMYCES
Jordan S. Phillipps, Amy L. Lane
University of North Florida

56. BARRIERS TO BELONGING: HOW STUDENTS WITH DISABILITIES EXPERIENCE COLLEGE LIFE
Samantha Grossman
University of North Florida

57. IT'S A WOMAN'S WAR TOO: DOLLY MADISON LETTERS AS SITES OF MEMORY FOR PERSONAL AND PROFESSIONAL EXPERIENCES IN WORLD WAR II
Emma Davis
Florida State University

58. IDENTIFICATION OF VECTORS, PARASITES, AND ENDOSYMBIONTS USING PCR AND SEQUENCE ANALYSIS
Michael Alpert, Nicole Butler, Amy Hallock, Brinley Rogers, Jennifer Bess, John Whitlock
Hillsborough Community College

59. DETECTING AXION-LIKE PARTICLES THROUGH GAMMA RAY PHOTONS PRODUCED BY INTERACTIONS WITH THE SUN'S MAGNETIC FIELD
Amarylis Sanchez, John W. Hewitt, Christopher M. Kelso
University of North Florida

60. DATA MINING TO HELP FOSTER CHILDREN
Daniel Oldham, Mihhail Berezovski
Embry Riddle Aeronautical University

61. DETERMINING THE MECHANISM OF AGMATINE DEIMINASE FOR ANTIBIOTIC RESISTANCE IN CAMPLYOBACTER JEJUNI
Amarildo Cimo, Bryan Knuckley
University of North Florida
62. OBESITY IN FLORIDA: POVERTY’S ROLE IN HEALTH OUTCOMES  
Alana Innerbichler  
University of North Florida

63. CHICANA DOCTORAL STUDENTS IN THE ACADEMY  
Kelly Ramirez, Ashley Rosado  
Florida State University

64. OPTIMIZING THE CONCENTRATED SOLAR POWER PLANT OF MIDELT  
Adil Riahi  
University of Central Florida

65. IS SEMEIOSIS REAL?  
Stephen Houchins  
University of North Florida

66. THE RELATIONSHIP BETWEEN POSITIVE AND NEGATIVE AFFECT AND PSYCHOLOGICAL WELL-BEING  
Tracy Doering, Ted Cascio  
Palm Beach State College

67. REDIRECTION OF RNA-NANOPARTICLES TO LYMPHOID ORGANS ENHANCES ANTITUMOR IMMUNITY  
Adam Grippin, Brandon Wummer, Elias Sayour, Jon Dobson, Duane Mitchell  
University of Florida

68. LIONFISH (PTEROIS VOLITANS) POPULATION DENSITY IN TWO DIFFERENT ECOSYSTEMS IN SAN SALVADOR, BAHAMAS  
Bianca Wong Rodriguez, Ashlyne Miller, Drake Milligan, Jeremy Stalker, Melinda Simmons  
Jacksonville University

69. INTERIOR GEOGRAPHY: EXPLORING SPACE AND MIXED MEDIA IN CERAMIC WALL ART  
Mark Lester, Trevor Dunn  
University of North Florida

70. ROTATING-BENDING FATIGUE BEHAVIOR OF STAINLESS STEEL 316L  
Ross Wykoff  
University of North Florida

71. ACETYLCHOLINESTERASE AND VX: USING GIBBS FREE ENERGY TO INCREASE THE EFFICIENCY OF ACETYLCHOLINESTERASE REACTIVATORS  
Victoria Li, Erick Aitchison, Wei Yang  
Florida State University

72. EFFECTS OF DIETARY RESTRICTION ON THE ORGANISMAL OXIDATION OF LEUCINE IN GRASSHOPPERS  
Eugene Rehfeldt, Amra Karjasevic, Sahil Patel, Danielle Hiatt, Marshall McCue, John Hatle  
University of North Florida

73. UNDERSTANDING REGULATORY PROTEIN GALECTIN-3 FUNCTION THROUGH POLYMER CONJUGATION  
Ling Lin, Hailie Lower, Amanda Pritzlaff, Daniel A. Savin  
University of Florida

74. DETERMINING THE GENETIC RELATIONSHIP OF SYMPATRIC CROAKER (MICROPOGONIAS SPP) INHABITING THE INDIAN RIVER LAGOON  
Bridget Vincent, Adam Searles, Alexa Trujillo, Rich Paperno, Douglas Adams, Geoffrey Cook, Eric Hoffman  
University of Central Florida

75. UNDERSTANDING DYNAMIC MOVEMENTS  
Hunter Kemmerer, Sydney Innes, Brandon Roche, Moriah Irizarry, Kaitlyn Newman  
Florida Gulf Coast University

76. OBESITY AND BODY SIZE SATISFACTION IN AA GIRLS  
Tatyanna Aviles-Wilcher, Frances Breanna McDonald, Sam Ronderos, Dawn Witherspoon  
University of North Florida

77. AN APPLICATION OF STATISTICAL LEARNING METHODS TO THREAT ANALYTICS PROBLEMS IN ENTERPRISE NETWORKS  
Jared Stiles  
University of North Florida
78. PERSONALITY CHARACTERISTICS AND STUDY CHOICES
Melissa Lehman, Max Casper
Lynn University

79. AXL IS A NOVEL THERAPEUTIC TARGET TO INHIBIT CANCER METASTASIS
Tiffany Le, Mai Tanaka, Samantha S. Dykes, Dietmar W. Siemann
University of Florida

80. ANALYSIS OF DUVAL COUNTY AND NATIONAL 2017 YRBS AVERAGES ON E-CIGARETTES PURCHASED FROM STORES, CURRENTLY USED, AND USE BETWEEN GENDERS OF HIGH SCHOOLERS
Lauren Young, Patrick Healy, Judy Rodriguez
University of North Florida

81. DO AMERICANS FEEL COMFORTABLE WITH THE ADVANCEMENTS IN SELF-DRIVING CAR TECHNOLOGY?
Julia Gaglio, Laura Bautista
Florida Atlantic University

82. RENEWABLE WIND ENERGY ANALYSIS CONSIDERING DIURNAL WIND CYCLES AND EL-NINO SOUTHERN OSCILLATION ALONG THE GULF OF MEXICO AND EASTERN FLORIDA COASTLINES
Spencer Lowery, Justin Stow, Shawn R. Smith, Mark A. Bourassa
Florida State University

83. AN EXAMINATION OF PROSTITUTION: EFFECTS OF CURRENT LAWS, INTERNATIONAL COMPARISONS, AND POLICY IMPLICATIONS FOR DECRIMINALIZATION
Darci Pelham
University of North Florida

84. USING MOBILE LEARNING TO TEACH SPANISH VOCABULARY
Andrew DeMil, Alysha Assaf
The University of Tampa

85. SOCIAL CONFORMITY IN SEXUAL HARASSMENT PUNISHMENT SELECTION IN THE WORKPLACE
David Gavin, Pippa Robertson Burnett, Leilani B. Goodman, Charlie Law
Florida Southern College

86. INDUCTION OF ANTI-INFLAMMATORY ACETYLCHOLINE RECEPTORS ON HUMAN MACROPHAGES PRODUCED IN THE LABORATORY AS A MODEL SYSTEM FOR DRUG SCREENING AND DEVELOPMENT
Veronica Hartmann, Stefan Basilio, Patricia Keating, James X. Hartmann, Alberto Padilla
Florida Atlantic University

87. THERMAL STUDIES OF SINGLE-MOLECULE MAGNET POLYMERS
Brandon O’Laughlin
University of North Florida

88. DEVELOPMENT OF A THREE-DIMENSIONAL WIND MEASUREMENT SOLUTION HOSTED ON A SMALL UNMANNED AERIAL SYSTEM
Christopher Swinford, Kevin A. Adkins, Anthony Oreo
Embry Riddle Aeronautical University

89. USING BIOSTATISTICS CLASS TO TRANSLATE DATA INTO INFOGRAPHICS: FACULTY AND STUDENT PERSPECTIVES
Hope Michael, Gabrielle Maiolo, Mary Martinasek
The University of Tampa

90. ALTRUISTIC PERSPECTIVE OF YOUNG ADULTS INTEREST IN CSR VOLUNTEERING
CeeCee Davis
Tallahassee Community College; Troy University
91. IS THIS A GOOD IDEA? HOW FOLLOWER PERCEPTION OF LEADERS INFLUENCES ENDORSEMENT OR REJECTION OF LEADER IDEAS
Robert Brinson, Bailey Kleindienst, Samantha Kaye, Dale Peterson, Parker Webb, Amy Sheffield, Randall Croom, Areti Vogel
Stetson University

92. VOLUNTEER TOURISM IN COSTA RICA
Claire Hoeschele, Ronald Lukens-Bull, Anne Pfister
University of North Florida

93. PRESERVATION PROJECT JACKSONVILLE: THE UNTOLD STORY
Kaley Crawford, Reilly Cassel
University of North Florida
1. CLONING, FUNCTIONAL EXPRESSION, AND CHARACTERIZATION OF NOVEL SER/THR KINASE, STK 3169 OF ANABAENA PCC 7120 FOR PHOS-PHORYLATION ROLE IN SIGNALING
   TraceyAnn Matthie, Aakriti Gautam, Vishwa D. Trivedi
   Bethune-Cookman University

2. DIFFERENCES IN DRUG AND ALCOHOL USE BETWEEN HIGH SCHOOL MALES AND FEMALES IN DUVAL COUNTY ACCORDING TO THE 2015 AND 2017 YRBS
   Tamar Gorham, Bailey Pace, Becky DeVincenzo
   University of North Florida

3. KICK (REMOTE PREGNANCY MONITOR)
   Alona Basko, Danielle Gray, Waseem Asghar
   Florida Atlantic University

4. INHIBITION OF HYDROGEN SULFIDE PRODUCTION BY FAT BODY OF LUBBER GRASSHOPPERS
   Stephenie Dilts, Damir Sarajilic, Evan Judd, John Hatle, Cathy Peterson
   University of North Florida

5. CEREBROVASCULAR RISK FACTORS AND STATUS OF COLLATERAL FLOW IN ACUTE EMBOLIC STROKE
   Emily McCoy, George K. Vilanilam, Mohammed K. Badi, Caitlin D'Souza, Tara Becker, Vivek Gupta
   Florida State University

6. TRENDS IN REPORTING SEXUAL ASSAULT AND INTERPERSONAL VIOLENCE AT A DEAF UNIVERSITY
   Danielle Dorn, Tyler G. James, Julia R. Varnes
   University of Florida

7. THE LINK BETWEEN SOCIOECONOMIC STATUS (SES) AND SUICIDE MORTALITY
   Madison Meyer
   University of North Florida

8. RAPID AND EFFICIENT METHOD FOR THE REDUCTION OF QUINOXALINES USING LIBH4 AND CH3I: SYNTHESIS OF 1, 2, 3, 4-TETRAHYDROQUINOXALINES
   Reed W. Roberts, Ralph N. Salvatore, Terrence E. Gavin
   Southeastern University

9. THE ROLE OF TETRASPANIN CD9 IN EXTRACELLULAR VESICLE BIOGENESIS AND TRAFFICKING
   Leanne Duke
   Florida State University

10. ALTERNATIVE SYNTHETIC PATHWAY IN TOTAL SYNTHESIS OF THE TUMOR-ASSOCIATED THOMSEN-FRIEDENREICH (TF) CARBOHYDRATE ANTIGEN
    Mary Minore, William Miranda, Mare Cudic
    Florida Atlantic University

11. THE 'UNPLAYED' LEVEL: A LINK BETWEEN MODALITY AND VIDEO GAME THEMES IN SUPER MARIO GALAXY
    Gabrielle Goral
    Florida Gulf Coast University

12. FIGHTING FIRE V. HUNTING TREASURE: EXAMINING HOW CONTEXT AFFECTS DECISION MAKING
    Elena Sakosky, Stephen Blessing, Geoff Engelstein
    The University of Tampa

13. UNDERSTANDING THE HEALTH CARE EXPERIENCES OF DEFERRED ACTION FOR CHILDHOOD ARRIVALS (DACA) RECIPIENTS
    Jacob Kluesener, Laura Gonzalez
    University of Central Florida

14. SOCIAL ANXIETY AND SUBTYPES OF EMPATHY: THE MODERATING INFLUENCE OF BIOLOGICAL SEX
    Samantha Berg, Jeffrey Bedwell, Erin Tone
    University of Central Florida
15. TIMESCALES OF GLOBAL TIDAL FLOODING  
   Maria Bower, Thomas Wahl  
   University of Central Florida

16. MATCHING COGNITIVE FACTORS' IMPACT ON JOB PERFORMANCE  
   Hannah Ji, Lisa Hinson  
   University of Florida

17. PROTEIN DISULFIDE ISOMERASE INHIBITS AND REVERSES ALPHA-SYNUCLEIN FIBRILLIZATION  
   Joey Ragusa, Baggio Evangelista, Albert Serrano, Xin Qiao, Yoon-Seong Kim, Bo Chen, Ken Teter  
   University of Central Florida

18. PRODUCTION AND CHARACTERIZATION OF 2,5-DIKETOPIPERAZINES PRODUCED BY THE CYCLODIPEPTIDE SYNTHASES  
   Paul Borgman, Amy Lane  
   University of North Florida

19. MILD AND EFFICIENT SYNTHESIS OF PHOSPHANE-CARBODITHIOATES VIA A THREE-COMPONENT COUPLING REACTION OF A PHOSPHINE, CARBON DISULFIDE, AND AN ALKYL HALIDE  
   Marilyn O. Ikhane, Hyelsinta J. Danboyi, Lissette E. Victoria, Mark E. Steury, Ralph N. Salvatore  
   Southeastern University

20. EXPLORING THE PORTRAYALS OF MODERN FIRST LADIES IN CHILDREN’S PICTUREBOOK BIOGRAPHIES  
   Kaitlin Elmore  
   University of Central Florida

21. DEPRESSION AND ANXIETY’S INDEPENDENT EFFECTS ON HYPERTENSION AND HYPERLIPIDEMIA  
   Ana Caballero  
   Florida State University

22. CHARACTERIZATION OF THE IMMUNE PROPERTIES OF MOUSE NEURAL RETINA EXTRACTS  
   Ashton N. Ray, Judith D. Ochrieto  
   University of North Florida

23. BEYOND THE TRAIL: A RIVER RUNS THROUGH IT  
   Katie Vearil  
   University of North Florida

24. SOCIAL MEDIA’S AFFECT ON SELF ESTEEM  
   Daphnie Dilus, Jazmin Velasco  
   Florida Atlantic University

25. CHARACTERIZATION OF FC-DRIVEN NK CELL EXPANSION AND PHENOTYPE SHAPING  
   Raquel Arthuzo, Jeremiah Oyer, Namita Varudkar, Griff Parks, Alicja Copik  
   University of Central Florida

26. EXPLORING THE RELATIONSHIP BETWEEN ATTITUDES ABOUT MENTAL ILLNESS, ABOUT GUNS, AND PERSONALITY VARIABLES  
   Rachel Chavez, Karen Mottarella, Shannon Whitten  
   University of Central Florida

27. HOW HIV DIAGNOSING RATES ARE AFFECTED BY VARIOUS SOCIAL IDENTITIES IN THE UNITED STATES OF AMERICA FROM 2010-2013  
   Blaise Guerriero  
   The University of Tampa

28. STANDING UP OR GIVING UP? MORAL FOUNDATIONS SHAPE EVALUATIONS OF PROTESTS  
   Isaac Richardson  
   Florida State University

29. ACUTE INTERMITTENT HYPOXIA AND BASAL THERMAL SENSITIVITY  
   Taylor Maderazo, Soofia Hameed-Akhtar, Andrew Dashiell, Regina Camberos Rios, Jenna Levin, Abigail Wilson, Shakeel Ahmed, Joel Bialosky, Mark Bishop  
   University of Florida

30. THE ROLE OF TETRASPANIN CD9 IN EXTRACELLULAR VESICLE BIOGENESIS AND TRAFFICKING  
   Leanne Duke  
   Florida State University
31. MUTAGENIC POTENTIAL OF BPA ALTERNATIVES ON MOUSE FIBROBLAST AND NEURONAL CELLS IN VITRO
Megan Rizer, Thomas Dao, James Chang, Emily Bradshaw, Alicia Hawthorne
University of Central Florida

32. AUTOMATED CELL STRETCHING DEVICE FOR MECHANOBIOLOGY EXPERIMENTS
Myra Kurosu Jalil, Justin Keister, Anthony Yin, Chelsey Simmons
University of Florida

33. CHARACTERIZATION OF METABOLIC GENE EXPRESSION IN MOUSE CORNEA
Sommar Asfoura, Jim Gelsleichter, Judith D. Ochrietor
University of North Florida

34. AMERICAN CATHOLICISM STRAINS RELIGIOUS THEORY
Michael Joseph Augustine
University of North Florida

35. HU SHIH’S “HOW I WENT ABROAD” AND “ARRIVING IN THE UNITED STATES” AND CHINESE STUDY ABROAD EFFORTS IN THE LATE 19TH AND EARLY 20TH CENTURY
Tatum Shannon
Florida State University

36. TOWARDS NANOSTRUCTURED SENSORS IN THE REAL WORLD: PLASMONIC PROPERTIES OF TRANSITION METAL NITRIDES
Neil Blaser, Peter Bohn, Lev Gasparov, Stephen Stagon
University of North Florida

37. TRACKING THE INITIAL ONSET OF DEOXYGENATION ACROSS THE PALEOCENE-EOCENE THERMAL MAXIMUM
Jane Wadhams, Jeremy Owens, Theodore Them
Florida State University

38. STEREOTYPES OF MAJOR AND NON-MAJOR POLITICAL PARTIES
Katie Locke, Michelle Powell, Elizabeth R. Brown, Curis E. Phills
University of North Florida

39. PINE NEEDLES DISSIPATE RAINFALL ENERGY VIA HIGHLY INTERDEPENDENT DYNAMICS
Amy Lebanoff, Andrew Dickerson
University of Central Florida

40. REPRODUCTIVE ENDOCRINOLOGY OF THE ATLANTIC SHARPNOSE SHARK, RHIZOPRIODON TERRAENOVAE, OFF THE COAST OF NORTHERN FLORIDA
Halee Larson, Jim Gelsleichter
University of North Florida

41. DYNAMIC DECISION-MAKING PROCESS IN TWO DIFFERENT TASKS ACROSS CULTURES
Yoannis Hermida, Willow Clem, Dominik Guess
University of North Florida

42. SORRY, NOT SORRY: A TEXTUAL ANALYSIS OF CORPORATE APOLOGIES
Bailey Kleindienst
Stetson University

43. THE ROLE OF WNT 4 AND WNT 5 IN TARDIGRADE BODY PLAN EVOLUTION
Zachary Snow, Frank W. Smith
University of North Florida

44. WHAT HAPPENS ONCE MAY HAPPEN AGAIN: VISUAL SENSORY GATING OF FAMILIAR STIMULI
Mason Rademaker, Jessica Simon, Destiny Carbello
Florida State University

45. A PICTURE IS WORTH A THOUSAND WORDS: IMAGES OF NAZI PROPAGANDA IN YOUTH LITERATURE
Emily Akers
University of South Florida St. Petersburg
46. EFFECTS OF COCAINE ON PRIMARY CILIA LENGTH ON DOPAMINERGIC NEURONS IN THE VENTRAL TEGMENTAL AREA AND NUCLEUS ACCUMBENS
   Ally Firek, Kalene Jasso, Craig Meyers, Jeremy McIntyre
   University of Florida

47. MULTIPLE WEAPON MORPHS IN THE LEAF FOOTED BUG THASUS NEOCALIFORNICUS
   Robert Entzian, Zachary Emberts, Colette M. St. Mary, Christine W. Miller
   University of Florida

   Elta Charles, Eunkyung Lee
   University of Central Florida

49. POLITICAL AFFILIATION AND THE PREJUDICE IT CREATES IN THE NFL PROTEST
   Geoffrey Stephen, Tariq James
   Florida Atlantic University

50. TREATMENT APPROACHES FOR ORAL MUCOSITIS
   Lisseth Quijano, Siddarth Kesharwani, Sonali Pandey, Foram Madiyar
   Embry Riddle Aeronautical University

51. CHALLENGES IN HYPERTENSION AND STROKE IN HAITIANS: LIFESTYLE AND HEALTH RISKS IN DIET
   Kisha Cadet, Tania Reynolds
   Florida State University

52. EXAMINING ZOOPLANKTON DENSITY RELATED TO SEASONAL AND WATER QUALITY CONDITIONS IN THE HALIFAX RIVER LAGOON, FL
   Lakean McGregor, Sarah Krejci
   Bethune-Cookman University

53. SPARK PLASMA SINTERED ALUMINUM OXIDE FILTER FOR HOT GAS APPLICATIONS
   Catalina Young, Cheng Zhang, Arvind Agarwal
   Florida International University

54. BEYOND THE BREAK-UP: LEARNING FROM THE DISSOLUTION OF A GRANTMAKING COLLABORATION
   David Berlan, Megan Grenville, Lauren Moran, Luciana Polischuk, Molly Rimes
   Florida State University

55. DIFFERENCES IN WEIGHT PERCEPTIONS AND BEHAVIORS BETWEEN DUVAL COUNTY, FL AND NATIONAL HIGH SCHOOL STUDENTS ACCORDING TO THE 2015 YOUTH RISK BEHAVIOR SURVEY (YRBS) DATA
   Julia Gannaway, Elizabeth Mclean, Cassandra Branham, Judith Rodriguez
   University of North Florida

56. CASH-FREE ECONOMY: THE RELATION BETWEEN AGE AND ONLINE MONEY ACTIVITY
   Elisa Gomes, Shaina Rubin
   Florida Atlantic University

57. BUDDHISTS AS PERPETRATORS: STATE IDEOLOGY VS. RELIGIOUS IDEOLOGY IN MYANMAR
   Hailee Clark
   Embry Riddle Aeronautical University

58. ANALYSIS OF TEMPORAL AND SOCIOECONOMIC EFFECTS ON Aedes Albopictus Wing Length
   Emily K. Stone, Gabriela Hamerlinck, Stephanie J. Mundis, Ari Whiteman, Sadie J. Ryan
   University of Florida

59. THE EFFECTS OF FACEBOOK USE ON COGNITION AND EMOTION IN COLLEGE STUDENTS: POSITIVE REFLECTION GROUP
   Hannah Buzbee, Gina Marie Weis, Adam Barrett -Clarke, Michael Stasio, Erin Koterba, Erica Yuen
   The University of Tampa

60. SECULAR AND RELIGIOUS SPACE IN AMERICAN POLITICS
   Taylor Cook
   University of North Florida
61. EXAMINING THE EFFECTS OF SCREEN SIZE ON ARCHAEOLOGICAL DATA COLLECTION
John McDowell, Jack Meyers, April Watson, Alana Leacher
Lynn University

62. THE IMPACT OF LIVING IN A RURAL COMMUNITY ON RESIDENTS ACCESS TO ADEQUATE HEALTHCARE
Roshanda Hodges
Troy University

63. A PRELIMINARY STUDY ON THE DIVERSITY OF EPIFAUNA ON LEPTOGORIA VIRGULATA TAMPA BAY, FL
Haley Lasco, John Ambrosio, Wayne Price, Michael Middlebrooks
The University of Tampa

64. UNDERSTANDING DYNAMIC MOVEMENTS
Hunter Kemmerer, Sydney Innes, Brandon Roche, Moriah Irizarry, Kaitlyn Newman
Florida Gulf Coast University

65. A TRANSCRIPTOMICS AND FUNCTIONAL GENETICS APPROACH TO IDENTIFYING COMPONENTS OF THE DROSOPHILA POLYAMINE TRANSPORT SYSTEM
Joanne Saldanha, Michael Haney, Brianne Landry, Natalia Figueroa, Laurence von Kalm
University of Central Florida

66. SIZE AND SUSTAINABLE AGRICULTURE IN FLORIDA FARMS
Meylin Muniz, Masanori Fujimoto
University of Florida

67. USING GREEN CHEMISTRY FOR THE CATALYTIC REMOVAL OF TOXIC MERCURY FROM FLUE ASH THROUGH ADVANCE OXIDATION TREATMENT
Zachary Loeb, Anwar Sadmani
University of Central Florida

68. THE EFFECTS OF BD METABOLITES ON FRESHWATER INVERTEBRATES
Sarah E. Detmering, Taegan A. McMahon, Caitlin L. Nordheim
The University of Tampa

69. MILD AND EFFICIENT SYNTHESIS OF AMIDES FROM ACID CHLORIDES AND AMINES USING CESIUM BASES
Joseph Shamp, Ethan Carey, David Orlando, Ralph N. Salvatore
Southeastern University

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93. BTW, HOW ARE UNDERGRADUATE STUDENTS USING SOCIAL MEDIA?
Renata Sindicic, Enilda Romero-Hall, Linlin Li
The University of Tampa
## Acknowledgements

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