

FURC

Florida Undergraduate Research Conference



2019



UNIVERSITY of
NORTH FLORIDA

A photograph of the University of North Florida campus. In the foreground, there is a large, modern building with a glass facade and a distinctive white, angular roof structure. The building is surrounded by lush greenery, including palm trees and other tropical plants. A body of water with a small fountain is visible in the middle ground. The sky is blue with scattered white clouds.

Welcome

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

Time	Event	Location
5 - 8 p.m.	Registration and Reception	Boathouse and Osprey Plaza
7 - 7:45 p.m.	Keynote Speaker: Dr. John Kantner	John Delaney Student

Saturday, February 23

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

*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.



Workshop Session I

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 as 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.

9:45 - 10:30 AM

Workshop Session I

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.

9:45 - 10:30 AM

Workshop Session I

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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Workshop Session II

YOUR PATH TO GRADUATE SCHOOL & CAREER SUCCESS STARTS TODAY

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3:00 - 3:45 PM

Workshop Session II

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 presents 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!

3:00 - 3:45 PM

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3:00 - 3:45 PM

Poster Session I

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

Poster Session I

- 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 Scrogin
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. VIAILITY 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 ENCEPHALOMYELITIS 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

Poster Session I

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

Poster Session I

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 RO 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 Vanryckeghem

University of Central Florida

55. PREVALENCE OF INTESTINAL PARASITES IN RURAL LOCALITIES FROM PAMPA DEL INDIO, 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

Poster Session I

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. UBIQUITIN-BINDING OF NASCENT POLYPEPTIDE-ASSOCIATED COMPLEX (NAC) PROTEIN IN ARCHAEA

Ling Jin, Zachary Adams, Christopher Batbatan, Julie A. Maupin-Furlow
University of Florida

72. DANTE'S POEM PROVIDING A COMMON LANGUAGE FOR THE GENRE OF SURREAL HORROR

Alexa Kellenberger
Florida State University

73. LONG TERM 3D CELL CULTURE IN PERFUSIVE FLOW

Kylie E. Van Meter, Derek L. Hood, Juan M. Uruena, Padraic P. Levings, Colin Anderson, Eric O. McGhee, Greg Sawyer
University of Florida

74. GRATING COUPLER FOR SURFACE WAVES BASED ON ELECTRIC DISPLACEMENT CURRENTS

Jonathan Brescia
University of Central Florida

75. ROLE OF INTERLEUKIN-10 SIGNALING IN A MOUSE MODEL OF ALPHA SYNUCLEINOPATHY

Samuel Cockey, Emily Koller, Mieu Brooks, Todd E. Golde, Benoit Giasson, Paramita Chakrabarty
University of Florida

76. PROTEIN DISULFIDE ISOMERASE DISRUPTS AND DETOXIFIES AGGREGATES OF AMYLOID BETA PEPTIDE

Haley Lehew, Baggio Evangelista, Lucia Cilenti, Ken Teter
University of Central Florida

Poster Session I

77. PRELIMINARY OBSERVATIONS ON THE UPTAKE OF MICROPLASTICS IN THE ATLANTIC SHARPNOSE SHARK (RHIZOPRIONODON TERRAENOVAE) AND THE ATLANTIC STINGRAY (HYPANUS SABINA) ON THE SOUTHEAST U.S. COAST

Cailla Strobel, Sarah Noonan, Jim Gelsleichter
University of North Florida

78. DETERMINING PERCEPTION OF MEDIA BIAS

Grace Sauter, Daniel Terry
Florida Atlantic University

79. DETERMINING SPATIAL AND TEMPORAL WATER QUALITY CHANGES IN THE HALIFAX RIVER LAGOON (HRL), FL

Jehmia Williams, Juan Calderon, Sarah Krejci
Bethune-Cookman University

80. FEEDING SELECTIVITY OF JUVENILE SEAHORSES ON WILD ZOOPLANKTON DURING EARLY DEVELOPMENT

Alyssa Stubbs, Vikash Bislam, and Sarah Krejci
Bethune-Cookman University

81. SLOTTED TRANSMISSION LINE FOR WAVELENGTH MEASUREMENTS

Gerald Onesky, Chiu Choi
University of North Florida

82. THE WRIGHT BUILDING RECOGNITION PROJECT

Chelsea Seaver, Asal Johnson
Stetson University

83. FISHING FOR ATTENTION, BUT NOT CATCHING ANYTHING? ADVERTISING TO MILLENNIALS IN A DIGITAL OCEAN OF CONTENT

Augustinas Navickas
Bethune-Cookman University

84. HOMARUS AMERICANUS KIDNEY 3D CELL CULTURE

Kenneth Davis, Melinda Moffitt, Fatima Rehman, Gregory Ahearn
Edward Waters College; University of North Florida

85. IDENTITY AND GUILT: AN INVESTIGATION OF PRO-ENVIRONMENTAL SPILLOVER

Monica Fagundo, Alexa Stauffer, Heather Truelove
University of North Florida

86. WAR TIME CORRESPONDENCE: HOW INTERPERSONAL COMMUNICATION FUNCTIONED DURING WORLD WAR I AND WORLD WAR II

Veronica Carver, Michael Neal
Florida State University

87. BEYOND THE FORCE: FINDING IDENTITY IN STAR WARS COSTUMING

Kaley Crawford
University of North Florida

88. A COMPARISON OF IN VITRO ASSEMBLY OF HIV AND SIV

Arianna Broad, Robert Dick, Volker Vogt
Florida State University

89. BODY SIZE SATISFACTION IN MALE AND FEMALE AFRICAN AMERICAN ADOLESCENTS

Frances Breanna McDonald, Tatyanna Aviles-Wilcher, Sam Ronderos, Dawn Witherspoon
University of North Florida

90. SMART WALKER FOR THE VISUALLY IMPAIRED

Christopher Feltner, Jonathan Guilbe, Sharare Zethabian, Siavash Khodadadeh, Lotzi Boloni, Damla Turgut
University of Central Florida

91. EXPLORING INSULIN-LIKE GROWTH FACTOR (IGF-1) REGULATION OF CRITICAL LIFE HISTORY EVENTS IN WEDDELL SEALS (LEPTONYCHOTES WEDDELLII)

Hanna Malik, Amy Kirkham, Jennifer Burns, Julie Avery
University of North Florida

Poster Session II

92. LANGUAGE PROCESSING AND LATERALITY

AMONG BILINGUALS: EVENT-RELATED POTENTIALS AND BEHAVIOR

Salim Mouloua, Stephanie Castelin & Mustapha
Mouloua
University of Central Florida

93. ROLE OF HIPPOCAMPAL CA1 DOPAMINE

RECEPTOR SIGNALING IN NOVELTY DISCRIMINATION

Meena Ravi, Sarah A. Johnson, Sara N. Burke
University of Florida

94. ELUCIDATING THE SURVIVAL OF INTRACELLULAR SALMONELLA ENTERICA SEROVAR TYPHIMURIUM MUTANTS IN EFFORT TO IDENTIFY THE IMMUNOLOGICAL CHARACTERISTICS OF EXTRACELLULAR VESICLES ON NAIVE MACROPHAGES

Charlene Mitchell, Winnie Hui, Mark Ou, Mariola
Edelmann
University of Florida

Poster Session II

1. ROLE OF HIPPOCAMPAL CA1 DOPAMINE RECEPTOR SIGNALING IN NOVELTY DISCRIMINATION

Meena Ravi, Sarah A. Johnson, Sara N. Burke
University of Florida

2. THE EFFECT OF MUSIC ON PAIN OBSERVATION

Amy LiKamWa, Roger Fillingim, Jill Sonke, Staja Booker, Josue Cardoso
University of Florida

3. THE AILMENTS OF ARCHIVISTS: HOW KORESHAN IMPACT IS A DOUBLE-EDGED SWORD

Kayleigh Heister
Florida Gulf Coast University

4. "THE SHOCK HEARD AROUND THE WORLD": A COMPARATIVE STUDY OF MEDICAL AND LITERARY REPRESENTATIONS OF SHELL SHOCK, 1914-50

Madison Das
University of Central Florida

5. CARBON SUPPORTED NOBLE-METAL NANOPARTICLES FOR THE CATALYTIC REDUCTION OF NITROPHENOLS AND AZO DYES

Lorianne R. Shultz, Xiaofeng Feng, Titel Jurca
University of Central Florida

6. HOW DO BLOGS FACILITATE THE PROMOTION OF HEALTH NARRATIVES IN PEOPLE WITH SYSTEMIC LUPUS ERYTHEMATOSUS, AND WHY ARE "SUCCESS STORIES" NOT THE ULTIMATE GOAL?

Abageal Roland
Florida Atlantic University

7. COMPARATIVE EXPRESSION OF GD2 AND GD3 AS TRANSLATIONAL OSTEOSARCOMA IMMUNOTHERAPY TARGETS

Zachary Emmanuel Sandoval, Matthew Cascio, Marc Salute, Bikash Sahay, Galaxia Cortes-Hinojosa, Rowan Milner
University of Florida

8. SUPERFUND SITES BY BLACK POPULATION - HILLS-BOROUGH COUNTY, FLORIDA

Julia Jester, Casey Butterfield
University of Tampa

9. LONELINESS AND ITS EFFECTS ON INTERPRETATION AND ATTRIBUTION OF MEANING IN EMOJIS

Dishanki Savla, Kendahl Krause, Tara Owens, Daniel S. McConnell, Janan A. Smither
University of Central Florida

10. COMBATING CHALLENGES IN CYBER SECURITY EDUCATION

Arati Banerjee, Salih Safa Bacanli, Cliff Zou, Damla Turgut
University of Central Florida

11. HOW DOES ONLINE LANGUAGE TEACHING COMPARE TO A TRADITIONAL CLASSROOM?

Andrew DeMil, Rachel Kozikowski
The University of Tampa

12. A COMPARISON OF PHOTOTAXIC BEHAVIOR IN PHOTOSYNTHETIC AND NON-PHOTOSYNTHETIC SACOGLOSSAN SEA SLUGS

Lauren Twele, Rachel Moline, Michael Middlebrooks
The University of Tampa

13. IN-VITRO TOXICITY OF CHEMICAL AND BIOLOGICAL NANOPARTICLES ON NORMAL HUMAN DERMAL FIBROBLASTS

Samantha Courtney, Pavan Rajanahalli, Sneha Krishnamurthy
The University of Tampa

14. EVALUATION AND OPTIMIZATION OF FLOATING AQUATIC TREATMENT WETLANDS FOR PHYTOREMEDIATION PRE-TREATMENT OF MUNICIPAL LANDFILL LEACHATE EMPLOYING SALINE-TOLERANT PLANTS NATURAL TO SOUTH FLORIDA

Ashley Danley-Thomson, Cassandra Bayes, Morgan Humphrey, Sarah Stauring, Sandra Un Jan Contreras
Florida Gulf Coast University

15. RESILIENT INFRASTRUCTURE AND CARGO ELASTICITY FOLLOWING A NATURAL DISASTER

Emily Jannace, Scott Parr
Embry Riddle Aeronautical University

Poster Session II

16. GEOGRAPHIC EFFECTS ON THE VIEWS OF CLIMATE CHANGE AND GLOBAL WARMING

Jarron Koretz, Austin Silverstein, Monica Escaleres
Florida Atlantic University

17. UNPLEASANT IMAGES CAUSE NEURAL INHIBITION IN THE PREFRONTAL CORTEX

Vernon Volante, Sara Fagen, Carly Doyon, Jesse Macyszko, Katherine Hooper
University of North Florida

18. FORCE TRENDS DURING NON-INVASIVE KNEE INJURY OF THE MURINE ANTERIOR CRUCIATE LIGAMENT

Jessica Hornyak, Shannon Brown, Blanka Sharma
University of Florida

19. REIMAGINING DRUGS: AN ANTHROPOLOGICAL ANALYSIS OF U.S. DRUG POLICY FRAMEWORKS AND STUDENT ACTIVISM

Megan Sarmento
University of Central Florida

20. WHEN PARTICIPANTS MESS UP YOUR DATA: CONSEQUENCES AND CONTROLS

Kendahl Krause, Victoria Pineda, Wyatt Kinner, Tara Owens, Fernando Montalvo, Daniel S. McConnell, and Janan A. Smither
University of Central Florida

21. THE ROLE OF LGBTQ+ SPECIFIC ORGANIZATIONS IN COMMUNITIES

Rebecca Weiner
University of North Florida

22. "DRUG DEALERS, CRIMINALS AND R*PISTS:" HOW MEDIA REPRESENTATIONS OF IMMIGRANTS JUSTIFIES THEIR DETAINMENT

Savanha Renald
University of Florida

23. VOLATILITY SHOCKS? ANOTHER LOOK AT OIL PRICE PASS-THROUGH

Kyle Cohen
University of North Florida

24. ANALYSIS OF POTENTIAL RECREATIONAL WATER CONTAMINATION WITH FECAL INDICATOR BACTERIA AT LYNN UNIVERSITY

Esther Ushuhuda, Eric Merkel, Cassandra S. Korte
Lynn University

25. WHAT IS THE PUBLIC PERCEPTION OF WELFARE IN AMERICA?

Alyssa Alvarez, Nikole Holness
Florida Atlantic University

26. EXAMINING THE RELATIONSHIP BETWEEN INNOVATIVE PAYMENT MODELS AND HOSPITAL READMISSION RATES

Meghan Hufstader Gabriel, Danielle Atkins, Ajit Appari, Michael Maresca, Kendall Cortelyou-Ward, Timothy Rotarius, Vincent Pereira
University of Central Florida

27. RECOGNIZING THE BOILING OF LIQUIDS USING CONVOLUTIONAL NEURAL NETWORKS

Mary Rasura, William Hahn
Florida Atlantic University

28. ENGINEERING OF NOVEL MATRIPTASE INHIBITORS BASED ON EGLIN C CORE STRUCTURE

Dalia Soueid, Lauren Schmidt, Maciej J. Stawikowski
Florida Atlantic University

29. STRESS RELIEF: POST-DISASTER VOLUNTEERING IN FLORIDA AND TEXAS PARKS/GARDENS

Grace Robbins
Florida State University

30. STUDENTS' PERCEPTIONS OF THE ACADEMIC EFFECTS OF SLEEP DISTURBANCES IN A COMMUNITY COLLEGE SETTING: A QUALITATIVE APPROACH

Jose Martinez, Gisela Diaz
Florida State University

Poster Session II

31. THE VALUE OF A VOTE: HOW CIVIC ENTHUSIASM INFLUENCES VOTING HABITS

Geoffrey Leavitt and Crayton Hudspeth
Florida Atlantic University

32. EFFICACY OF ASYMMETRIC WAVEFORMS AND THE ROLE OF PHASE DELAY FOR SOMATOSENSORY CORTEX MICROSTIMULATION: A PARAMETERIZATION STUDY

Nicolas Kunigk, Morgan E. Urdaneta, Kevin J. Otto
University of Florida

33. CLARIFYING THE IMPACT OF PSYCHOPATHY ON DILEMMA JUDGMENTS VIA PROCESS DISSOCIATION: THE ROLE OF MEANNESS, BOLDNESS, AND DISINHIBITION

Francklen Celestin, Caleb Reynolds, Paul Conway
Florida State University

34. DESPERATE TIMES CALL FOR DESPERATE MEASURES: HOW BORDER FORTIFICATION INTENSIFIES TRANSNATIONAL INSURGENTS' VIOLENCE AGAINST CIVILIANS

Jeffrey Coltman-Cormier
Florida Atlantic University

35. EVALUATION OF 2017 YRBS DATA ON SEXUAL BEHAVIORS AMONG MALE AND FEMALE HIGH SCHOOL STUDENTS

Jane Stanhope, Kara Rodgers
University of North Florida

36. LONG-TERM DIFFERENCES IN PUBESCENT FEMALE OUTCOMES AFTER MODERATE TO SEVERE TBI

Emily Wing, Hailey Schwab, Maria Kerrigan, Jennifer Munoz-Pareja
University of Florida

37. ARTIFICIAL INTELLIGENCE FOR BCI AND EEG FEATURE DETECTION

Harrison Rudd, Talia McNulty, Jacob McNulty, Alex Clark, Anthony Sanchez, Taslim Bhuiya, Elan Barenholdz
Florida Atlantic University

38. INVESTIGATING THE RELATIONSHIP BETWEEN HEAD SHAPE AND ELEVATION IN BLACK TAILED RATTLE SNAKES

Sarah Sullivan, Matthew Holding, Timothy Coltson, Darin Rokyta
Florida State University

39. ELECTRICAL STIMULATION OF HUMAN DERMAL FIBROBLASTS FOR WOUND HEALING

Stephanie Schreiner Macassi, Ashley Santana, Alicia Willenberg, Melanie Coathup, Kaitlyn Crawford
University of Central Florida

40. BINDING TO SIGMA RECEPTOR 1 FOR IDENTIFICATION OF POTENTIAL TREATMENTS FOR CHRONIC PAIN

Jasmine Cano, Talia Kawesa, Heba Agha, Sebastiano Intagliata, Christopher McCurdy, Lawrence Toll
Florida Atlantic University

41. THE EFFECTS OF INFRASTRUCTURE SERVICE DISRUPTIONS AND SOCIO-DEMOGRAPHIC FACTORS ON HOUSEHOLDS: HURRICANE RECOVERY

Sydney Elney
Florida Atlantic University

42. EXAMINING THE RELATIONSHIP BETWEEN DIETARY BEHAVIOR AND PSYCHOLOGICAL WELL-BEING

Diamond Blair, Hartly Hutchings, Ted Cascio
Palm Beach State College

43. RECOGNIZING SCRABBLE LETTERS USING A NEURAL NETWORK

Alexander Faus, Matthew Eicholtz
Florida Southern College

44. GENDER AND THE AFFORDABLE CARE ACT

Aniela Edwards and Mackenzie Manofsky
Florida Atlantic University

45. NICOTINE AND SILDENAFIL AS A MODEL FOR PESTICIDE RESISTANCE IN AGRICULTURE

Raymond MacKoul and Kimberly Rowland
Lynn University

Poster Session II

46. EFFECTS OF RESISTANCE AND AEROBIC TRAINING ON GROWTH FACTOR EXPRESSION AND BETA AMYLOID IN A MURINE MODEL OF ALZHEIMER'S DISEASE

Michael Correa, Gabriel S. Pena, Hector G. Paez, Trevor K. Johnson, Joseph P. Carzoli, Jessica L. Halle, Nishant P. Visavadiya, Michael C. Zourdos, Andy V. Khamoui, Michael A. Whitehurst
Florida Atlantic University

47. ESTAS READY?: UNCOVERING AFRO-LATINX IDENTITIES THROUGH LANGUAGE

Elisabeth Rios-Brooks
University of Florida

48. MEASURING THE NUTRITION KNOWLEDGE OF NCAA DIVISION II ATHLETES

Laura VanderStarre, Sara Terrell
Florida Southern College

49. THE IMPACT OF MICROPLASTICS ON CRASSOSTREA VIRGINICA FILTRATION EFFICIENCY

Jenna Carpenter, Brianna Sierra
University of Tampa

50. IOT WEATHER STATION CLOUD AND SYSTEM CONFIGURATIONS

Robert Corso, David Lau, Matthew Longmire, Robert Connor, Emilio Vazquez, Tomas Helou, Yu Liu, Rony Schutz, Zhengxiang Feng, William Eisenstadt
University of Florida

51. THE DIGITAL KILLER OF PRINT MEDIA: INVESTIGATING COLLEGE STUDENTS' NEWS CONSUMPTION HABITS

Mariyah Espinoza
Bethune-Cookman University

52. PROMOTING A DUTY TO ADOPT

Anne Merrill, Laura Kane
University of Tampa

53. RACE PORTRAYALS FOR MURDER

Brianna Dale, Chastity Blankenship
Florida Southern College

54. THE DORSET CHRONOTOPE: AN ECOCRITICAL READING OF THOMAS HARDY'S "JUDE THE OBSCURE" AND "THE MAYOR OF CASTERBRIDGE"

David Advent, Barry Faulk
Florida State University

55. WHALE SHARK (RHINCODON TYPUS) RETINAL PIGMENTS AND VISUAL FORAGING ECOLOGY

Katherine Serba, Jeffry Fasick, Haya Algrain, Phyllis Robinson
The University of Tampa

56. THREE TIER BINARY SPIN LATTICE

Fred Browning, Emily Bishop
Palm Beach Atlantic University

57. WOMEN, CONFIDENCE, AND POLITICS

Mary Anderson, Haley Hill, Alexis Laroe, Courtney Wilson
The University of Tampa

58. USING THE KETOGENIC DIET AS AN ADJUVANT TO CANCER THERAPY: A SYSTEMATIC REVIEW

Melanie Risola, Christopher Cacciatore, Humberto Lopez Castillo, Eunkyung Lee
University of Central Florida

59. WHAT'S MORE AMERICAN THAN A VIOLA? NATIONALISM IN DVORAK'S "STRING QUINTET IN EB"

Emily Dunn
Florida Gulf Coast University

60. DISADVANTAGES OF DISCLOSURE: THE IMPACT OF SEXUAL ORIENTATION ON HIRING DECISIONS

Kenzie Hurley, Hannah Smith, Charlie Law
Florida Southern College

61. PROTEIN-POLYMER BIOCONJUGATION EFFECTS ON ACTIVITY AND STABILITY OF CELLULASE (FNCEL5A) WITH VARYING MOLECULAR WEIGHTS OF POLYMER CHAINS

Natasha Ram, Thaiesha Wright
University of South Florida

Poster Session II

62. OZONE SOURCE FOR COMPLEX OXIDE GROWTH USING MOLECULAR BEAM EPITAXY

Dakota Brown, Maitri Warusawithana, Conor Kelly, Robert Dawson, Caitlin Kengel
University of North Florida

63. FORWARD OSMOSIS FLOW RATE DIFFERENTIAL

John Trzinski, Eric Seedhouse
Embry Riddle Aeronautical University

64. CHARACTERIZING HUMAN TARGET CELL INFECTION BY THREE GEOGRAPHICALLY DISTINCT ISOLATES OF MAYARO VIRUS

Aum Patel, Jordan Dailey, Melissa Dulcey, Ruiyu Pu, Amy Vittor
University of Florida

65. NEURAL ACTIVITY, GENES, AND MENTAL HEALTH

Austin Gallyer, Katie Sinsko, Jalisia Goodman
Florida State University

66. A NONDESTRUCTIVE METHOD FOR MONITORING ANTHOCYANIN ACCUMULATION IN ARABIDOPSIS

Bryce Askey, Jeongim Kim, Ru Dai, Won Suk Lee
University of Florida

67. THE ROLE OF COGNITIVE BIASES IN THE MORAL PERMISSIBILITY OF NUDGES

Valerie Joly Chock
University of North Florida

68. SAFE SPACES FOR BLACK STUDENTS AT PWIS

Simone Yuille, Vincent Adejumo
University of Florida

69. CROSS-MODAL DISTRACTION ON SIMULTANEOUS TRANSLATION: LANGUAGE INTERFERENCE IN SPANISH-ENGLISH BILINGUALS

Violet Young, Doan Modianos
University of Central Florida

70. CAN A PILL MAKE YOU SMARTER? COGNITIVE ENHANCEMENT AMONG COLLEGE PRE-HEALTH STUDENTS FOR ACADEMIC GAIN

Zoreed Mukhtar
University of Central Florida

71. INCORPORATING FLIPPABLE MOMENTS IN A COLLEGE BIOCHEMISTRY COURSE: ASSESSMENT OF STUDENT PERFORMANCE AND STUDENT ATTITUDES

Alaa Hashim, Zoreed Mukhtar
University of Central Florida

72. FISHING FOR DISORDER: UNCOVERING DISORDERED PROTEINS AMONG COPY NUMBER VARIANTS IN DANIO RERIO

Anthony Brando, Kimberly Dobrinski
The University of Tampa

73. EFFECTS OF A THREE STAGE POST-PERFORMANCE ROUTINE ON PUTTING PERFORMANCE

Payton Howarth, Jason Kostrna, Brian Foster, Jean-Charles Lebeau, Gershon Tenenbaum
Florida State University

74. PROJECT NAUTILUS: LOWERING THE COST OF OCEANIC RESEARCH

Devon Vail, Sayan Chatterjee, Ernest Kohnke
Embry Riddle Aeronautical University

75. BIOMIMETIC SYNTHESIS OF BRIARANE DITERPENOID FROM BRIAREIUM ASBESTINUM

Shakia Williams, Paul Scesa, Lyndon M. West
Florida Atlantic University

76. INJECTOR FLOW MODEL OF A PIEZOELECTRIC DIESEL INJECTOR

Josh Didion, John Nuszowski
University of North Florida

77. STUDENT LEARNING ASSISTANTS IN LARGE-ENROLLMENT COURSES: THE FSU EXPERIENCE

Kayleigh Weintraub, Sarah Engel, Fabrizio Fornara
Florida State University

78. THE COLLECTION AND ANALYSIS OF DNA BEFORE AND AFTER THE USE OF FINGERPRINT POWDER ON DIFFERENT SURFACES

Berthie Lebrun, Courtney Rush, Nicolyn Skyers, Sulekha Coticone
Florida Gulf Coast University

Poster Session II

79. PROCESSING AND MECHANICAL PROPERTIES OF ZRO₂-BASED ELECTROLYTES CERAMICS FOR SOLID OXIDE FUEL CELLS

Zoe Barbeau, Arturo Coronado, Nina Orlovskaya
University of Central Florida

80. SURFACE MODIFICATION OF THE SP² NETWORK OF CARBONACEOUS NANOMATERIALS

Mounisha Ganesan, Virginie Rollin, Daewon Kim, Foram Madiyar
Embry Riddle Aeronautical University

81. INVESTIGATING MELATONIN LEVELS AND CIRCADIAN PERIODS AFFECTING THE BREAST CANCER RATES OF GHANAIAI WOMEN

Yanelis Diaz, Stephen Scheller, Mohtashem Sam-sam
University of Central Florida

82. STRUCTURAL AND EVOLUTIONARY ANALYSIS OF THE ACTIVATION MECHANISM IN THE SK CHANNEL-CALMODULIN COMPLEX

Brittany Montesino, Jessica Liberles
Florida International University

83. DATA MINING LITERATURE ANALYSIS OF CITED PDB STRUCTURES

Natalie Verdiguél, Zukang Feng, John Westbrook, Christine Zardecki, Stephen Burley
University of Central Florida

84. SELF-COMPASSION AMONG PARENTS AND NON-PARENTS

Emily Vernet, Melissa Birkett
University of Central Florida

85. ASSESSING EXCELLENCE UNIVERSITY EFFECTIVENESS

Anyoliny Sanchez, Martin Heesacker, Brian Higley
University of North Florida

86. STUDY ON TECHNOLOGY AND LEARNING

Jeremy Bramwell, Daniel McConnell
University of Central Florida

87. THE RELATIONSHIP BETWEEN SLEEP DEPRIVED COLLEGE STUDENTS AND INTERNALIZING SYMPTOMS CAUSED BY PERCEIVED ACADEMIC WORKLOAD

Manuel Merino
Florida International University

88. THE IMPORTANCE OF RACE AS AN ADVERSE CHILDHOOD EXPERIENCE

Serena Bradshaw, Karen Oehme, Ann Perko
Florida State University

89. SELF-ESTEEM AND RISKY BEHAVIORS IN COLLEGE STUDENTS

Victoria Riancho, Patrick Cooper, Robert Riedel
Lynn University

90. VACCINATION AS A TECHNIQUE TO INDUCE ACQUIRED RESISTANCE TO BATRACHOCYTRIVM DENDROBATIDIS (BD)

Caitlin L. Nordheim, Sarah E. Detmering, Taegan A. McMahon
The University of Tampa

91. ABUNDANCE ANALYSIS OF TABBY'S STAR (KIC-8462852)

Stacey Thomas, Simon Schuler, Cintia Fernanda Martinez, Katia Cunha, Verne Smith
The University of Tampa

92. TISSUE SPECIFIC COMPENSATORY REGULATION OF GENE EXPRESSION ASSOCIATED WITH COPY NUMBER VARIANTS IN DANIO RERIO

Sherrea Brown, Kimberly Dobrinski
The University of Tampa

93. SPIRITUALITY'S ASSOCIATION WITH AGE, GENDER, AND EXTRINSIC MOTIVATION: FINDINGS FROM AN INTERNATIONAL SURVEY STUDY

Jessica Cothron
University of South Florida Sarasota

94. RESTRICTED BOLTZMANN MACHINES FOR INVERTIBLE BOOLEAN LOGIC

Madison Manley, Saavan Patel, Sayeef Salahuddin
University of Central Florida

Poster Session III

- 1. COLLEGE-AGED STUDENTS SENSORY PERCEPTION COMPARING SORGHUM TO RICE IN READY-MADE DISHES**
Diannette Osorio, Marissa Schwam, Krystal Walker, Cynthia Whitmer, Juan Salcedo, Kristen Hicks-Roof
University of North Florida
- 2. USING FNIRS TO STUDY COLLEGE STUDENTS' READING STRATEGIES**
Jesse Macyczko, Sabrina Greene, Daniel L. Dinsmore, Katherine C. Hooper
University of North Florida
- 3. ANTI-OXIDANT ENZYME ANALYSIS IN MUSCLE OF ATLANTIC SHARPNOSE SHARK**
Maya Fisher, Louise Persson, Gretchen K. Bielmyer-Fraser
Jacksonville University
- 4. SYNTHESIS OF MESOPOROUS COPPER OXIDE ON NI OXIDE FOAMS**
Hayden Hadley, Titel Jurca
University of Central Florida
- 5. MIRANDA FRICKER, ALISON WYLIE, AND THE PREVENTION OF TESTIMONIAL INJUSTICE**
Daniel Riggins, Jonathan Matheson, Kyle Hodge
University of North Florida
- 6. PREDICTING SUBSTANCE USE DISORDER TREATMENT OUTCOMES WITH MACHINE LEARNING**
Nicole Fitzgerald, Elan Barenholtz
Florida Atlantic University
- 7. DETECTION OF EXPLOSIVE MATERIALS USING GRAPHENE NANOPORES**
John Dimuna, Jason Haraldsen
University of North Florida
- 8. BONOBO: THE FUNCTION OF SEXUAL SWELLING IN CAPTIVITY**
Tylyn Dagsaan
University of North Florida
- 9. CORRECTION OF SPATIALIZATION ISSUES IN ACOUSMATIC MUSIC: REMEDYING INCOMPATIBILITY BETWEEN SPATGRIS AND LOGIC PRO X**
John Levee
Stetson University
- 10. PORPHYROMONAS GINGIVALIS MEDIATED ENDOTHELIAL DYSFUNCTION BY EXOSOMES RELEASE IN HUMAN CORONARY ARTERY ENDOTHELIAL CELLS**
Khadija Kamara, Heran Getachew, Anne Progulske-Fox
University of Florida
- 11. THERMODYNAMICS AND MAGNETIC EXCITATIONS IN QUANTUM SPIN TRIMERS: APPLICATIONS TO THE UNDERSTANDING OF MOLECULAR MAGNETS**
Amelia Brumfield, Jason Haraldsen
University of North Florida
- 12. GENDERED TRANSITIONS: HOW TRANSGENDER AND NON-BINARY COLLEGE STUDENTS NAVIGATE DORM LIFE AND THE COLLEGE EXPERIENCE**
Dalton Reynolds
University of North Florida
- 13. DIABETES-RELATED BENEFITS OF SOCIAL SUPPORT IN ADOLESCENTS WITH A MINORITY BACKGROUND BEING TREATED FOR TYPE 1 DIABETES**
Sydney Johnson
Florida Southern College
- 14. ASSESSMENT OF MORINGA SEED COATED SAND FILTER AS A SECONDARY DRINKING WATER TREATMENT STEP FOLLOWING BIOSAND FILTRATION: A FIELD STUDY AT ECHO'S APPROPRIATE TECHNOLOGY VILLAGE**
Ashley Danley-Thomson, Rene Mendoza Gonzalez, Austin Wise
Florida Gulf Coast University

Poster Session III

15. ADULT NEUROGENESIS IN A BRITTLE STAR IS DRIVEN BY A DISTINCT POPULATION OF RADIAL GLIAL CELLS

Lauren Whaley, Olga Zueva, Vladimir Mashanov
University of North Florida

16. EXPLORING THE NEURAL CORRELATES OF SELF-MONITORING WITH FNIRS

Ambriel Cohen, Paul Fuglestad, Katherine Hooper, Christopher Leone
University of North Florida

17. A QUANTITATIVE APPROACH TO ESTIMATING FISHING PRESSURE ON IMPORTANT RECREATIONAL FISHES WITHIN TAMPA BAY

Madison L. Dowdy, Bridgette F. Froeschke
The University of Tampa

18. THE DIFFERENCES IN GENDER IN COMPARISON TO SELF-ESTEEM AND BODY IMAGE

Sian-Marie Laws
Beacon College

19. FACING THE MUSIC: THE CURRENT STATE OF STREAMING SERVICES IN THE MUSIC INDUSTRY

Jessica Korver, Silviana Falcon
Florida Southern College

20. MERCURY CONCENTRATIONS IN THE OCEANIC WHITETIP SHARK, *CARCHARHINUS LONGIMANUS*, OFF OF CAT ISLAND, BAHAMAS

Graceann Sparkman, Oliver Shipley, Edward J. Brooks, Lucy Howey, Jim Gelsleichter
University of North Florida

21. METHANOL CLUSTERS FORMED VIA MASS SPECTROMETRY PLAY A ROLE IN SOLUBILITY

Rachel E. Mizrahi, Melanie C. White, Jennifer E. Ruliffson, Matthew Kourey, Joshua J. Melko
University of North Florida

22. CHERRY-PICKING AS EPISTEMIC INJUSTICE

Benjamin Beatson
University of North Florida

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 Nuszowski
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 Macyczko, Sabrina Greene, Daniel L. Dinsmore, Katherine C. Hooper
University of North Florida

Poster Session III

31. GENERATION OF A DIFLUOROMETHYLORNITHINE (DFMO) RESISTANT CELL LINE IN A POLYAMINE DEPLETION STRATEGY

Neaba Nouredine, 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. NARCISSISM 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. Phillips
University of North Florida

43. CORROSION-FATIGUE BEHAVIOR OF BIOCOMPATIBLE METALS: A REVIEW

Timothy DelCharco, Jutima Simsiriwong
University of North Florida

44. CHARACTERIZATION OF IRON LOADING IN THE HEPICIDIN 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

Poster Session III

- 47. URBAN LANDSCAPE FEATURES AFFECT PATTERNS OF CO-OCCURRENCE OF THE RED IMPORTED FIRE ANT (*SOLENOPTIS 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 *CAMPYLOBACTER JEJUNI***
Amarildo Cimo, Bryan Knuckley
University of North Florida

Poster Session III

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

Poster Session III

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.
Goodmon, 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 Ol'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 Shef-
field, Randall Croom, Areti Vogel
Stetson University

92. VOLUNTEER TOURISM IN COSTA RICA

Claire Hoeschele, Ronald Lukens-Bull, Anne
Pfister
University of North Florida

Poster Session IV

- 1. CLONING, FUNCTIONAL EXPRESSION, AND CHARACTERIZATION OF NOVEL SER/THR KINASE, STK 3169 OF ANABAENA PCC 7120 FOR PHOSPHORYLATION 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

Poster Session IV

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. Victorio, 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. Ochrietor
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

Poster Session IV

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

Poster Session IV

- 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
- 48. EXAMINATION OF ASSOCIATIONS BETWEEN LCD SCORE AND PROGNOSTIC FACTORS AMONG U.S. ADULTS WITH TYPE 2 DIABETES: AN ANALYSIS OF THE NHANES (2005-2016)**
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**
Liseth 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

Poster Session IV

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 LEPTOGORGIA 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

70. BORROWING TIME: TRANSFERENCE AND TRANSFORMATION IN MODERNIST AND CLASSICAL POETRY

Nicholas Odom
University of Central Florida

71. PARENTS REACHING BEYOND CEREBRAL PALSY

Essie Russell
Troy University

72. ALZHEIMER'S

Lillie Thompson Smith
Troy University

73. SCREEN PRINTING PROCESSES ON CERAMICS AT CONE 10 ATMOSPHERIC CONDITIONS

Charlie Cartwright, Andrew Kozlowski
University of North Florida

74. MORAL DEMAND, MORAL IDENTITY, AND THE EMPATHY-ALTRUISM RELATIONSHIP

David N. Hall, Robert Askew
Stetson University

75. SIGNIFICANCE OF CYTOPLASMIC DOMAIN OF RECEPTOR AND MODULATION OF RECEPTOR BINDING VIA HELICAL FACE OF ANABAENA SENSORY RHODOPSIN TRANSDUCER, ASRT

Shenequa Davis, Dominique Hale, Aakriti Gautam, Vishwa Trivedi
Bethune-Cookman University

Poster Session IV

76. MATHEMATICAL MODELING ANALYSIS OF LONGITUDINAL CONTROL AND STABILITY FOR CARGO AND FIGHTER CLASS AIRCRAFT

Ayden Craig, Seenith Sivasundaram, Yungkul Kim

Embry Riddle Aeronautical University

77. CONSTRUAL LEVEL

Dale Peterson, Robert Brinson, Bailey Kleindienst, Nathan Wyche, Mark Hodae, Samantha Kaye, Randall Croom, Kelly Hall

Stetson University

78. THE INVOLVEMENT OF NA/K-ATPASE SIGNALING IN REGULATION OF BLOOD PRESSURE BY HEME OXYGENASE-1

Michelle A. Germeil, Yanling Yan, Jiang Liu, Joseph I. Shapiro

Bethune-Cookman University

79. THE EFFECTS OF TEMPERATURE ON THE IMMUNE FUNCTION OF DIAPHORINA CITRI AND ITS ABILITY TO VECTOR HAUNGLONGBING

Lindsay Martin, Thaila Schug, Kenneth Fedorka

University of Central Florida

80. A SURVEY OF THE ARTHROPOD SPECIES IN GOPHERUS POLYPHEMUS BURROWS AT THE FAU PRESERVE HABITATS

Lauren Melanson, Evelyn Frazier

Florida Atlantic University

81. REIMAGINING DRUGS: AN ANTHROPOLOGICAL ANALYSIS OF U.S. DRUG POLICY FRAMEWORKS AND STUDENT ACTIVISM

Megan Sarmento

University of Central Florida

82. THE INFLUENCE OF DECAY AND ANGER SUPERIORITY ON CHANGE BLINDNESS

Renee Pack, Leilani B. Goodman

Florida Southern College

83. AVERAGE SLEEP AND GPA

Kristin Trainer

Florida Gulf Coast University

84. DEGRADATION OF DISEASE CAUSING NON-CODING RNAS USING SMALL MOLECULE RECRUITMENT OF A NUCLEASE

Christy W. LaFlamme, Matthew G. Costales, Matthew D. Disney

Florida Atlantic University

85. "I CAN DO BAD ALL BY MYSELF": THE COST OF STRONG BLACK WOMAN SCHEMA ENDORSEMENT

Stephanie Castelin, Grace White

University of Central Florida

86. INVESTIGATING RELATIONSHIPS BETWEEN HYPERTENSION, SLEEP, AND COGNITIVE RISKS IN RURAL, ETHNICALLY - DIVERSE COHORT

Princess Maryam Abdul-Akbar, Lisa Kirk Wiese

Florida Atlantic University

87. PERCEIVED INTENTIONALITY VIA KINEMATICS

Jordan Sasser, Daniel McConnell, Peter Hancock

University of Central Florida

88. NEIGHBORHOOD CHANGE IN FRENCHTOWN, TALLAHASSEE

Allison Bloomer, Douglas Allen

Florida State University

89. HOW QUICK SERVICE RESTAURANTS AMPLIFY THEIR PRODUCTS AS DELICIOUS BUT MUTE UNHEALTHFUL CONSEQUENCES OF THEIR FOOD

Sierra Perry

Bethune-Cookman University

90. SOCIOLOGICAL PERSPECTIVES ON THE PHASES OF EMERGENCY MANAGEMENT FOR HURRICANE MARIA IN PUERTO RICO

Jose Rivera, Fernando Rivera

University of Central Florida

91. LIVESTOCK ASSOCIATED ANTIBIOTIC RESISTANT BACTERIA

Adam Wong, Matthew Pileggi, John Chase

University of Florida

**92. INVESTIGATION OF THE DIFFERENCES IN
SUBSTRATE SPECIFICITY BETWEEN PRMT1 AND
PRMT5 AND THE DEVELOPMENT OF A
PRMT1-SPECIFIC CHEMICAL PROBE**

Sarah Mann, Corey Causey, Bryan Knuckley
University of North Florida

**93. BTW, HOW ARE UNDERGRADUATE STUDENTS
USING SOCIAL MEDIA?**

Renata Sindicic, Enilda Romero-Hall, Linlin Li
The University of Tampa



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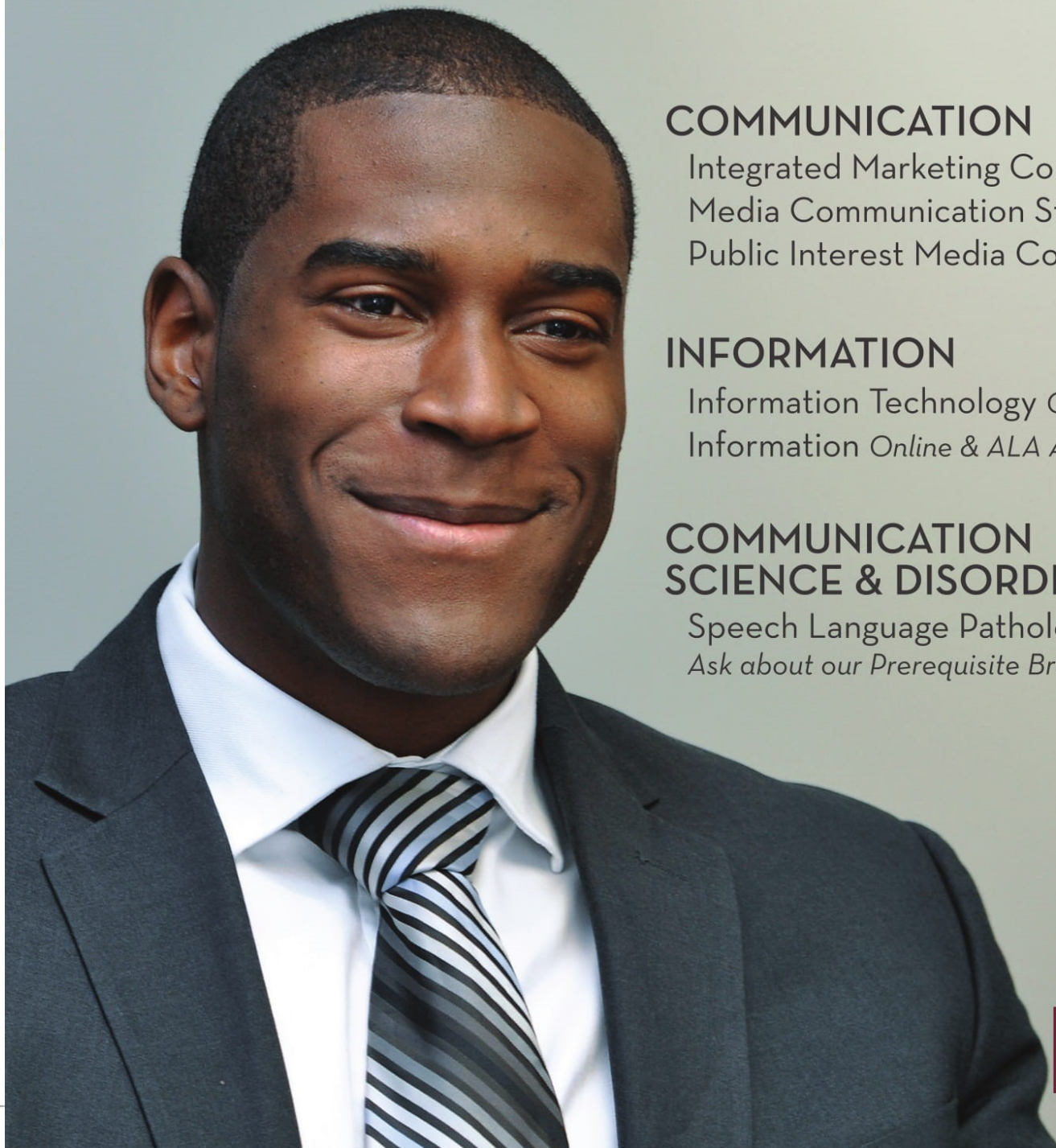
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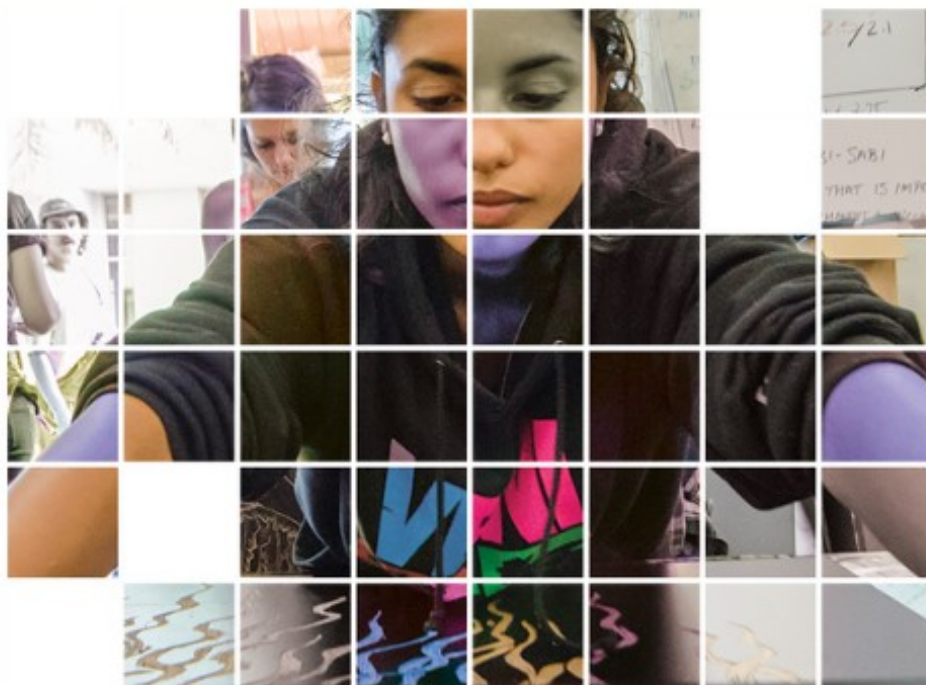
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