



University Graduate School
FLORIDA INTERNATIONAL UNIVERSITY



GSAW 2019
Graduate Student Appreciation Week
Scholarly Forum
Poster Presentation Program

Monday, April 1, 2019
SASC 100

Day 1: Monday, April 1st - 9:00 AM - 10:30 AM

* 7 minutes for each poster presentation and 5 minutes for question and answer

Poster #	Field of study	Presenter's name	Title of the presentation
Group A - # 1	Biochemistry	Israel Castillo Gonzalez	Characterization of a mouse model of uveal melanoma
Group A - # 2	Biological Sciences	Deidra Jordan	An Assessment of the F-108 Polymer and Single-Strand Conformational Polymorphism-Capillary Electrophoresis to resolve Human DNA Mixtures
Group A - # 3	Biological Sciences	Heba Ali	How do electric fish regulate trade-offs in competing metabolic demands
Group A - # 4	Biological Sciences	Juliano Freitas	The immunosuppressive role of Edn3/Ednrb signaling in the melanoma microenvironment
Group A - # 5	Biological Sciences	Fredis Mappin	Odor-evoked transcriptional changes as indicators of ligand-receptor interaction in Aedes Aegypti
Group B - # 1	Biomedical Engineering	Andres Pena	Evoked Referred Sensations through Multichannel Interfering Transcutaneous Electrical Neurostimulation
Group B - # 2	Biomedical Engineering	Jared Leichner	Network Architecture & Connectivity Analysis of Cortical Brain Tissue through Simultaneous Immunofluorescent Staining of Neurons, Astrocytes, Vasculature and Nuclei
Group B - # 3	Biomedical Engineering	Ricardo Siu	In-vivo implementation of a neuromorphic controller for ventilatory pacing
Group B - # 4	Biomedical Engineering	Joseph Chue-Sang	Polarized light Monte Carlo simulation of cervical collagen ultrastructure
Group B - # 5	Biomedical Engineering	Carolina Moncion	Fully-Passive Wireless Recording of Neural Activation in Wistar Rats
Group B - # 6	Biomedical Engineering	Valentina Dargam	Diagnosing Early Aortic Valve Disease: Correlation Between Heart Sounds and Remodeling
Group C - # 1	Dietetics and Nutrition	Justina Owusu	Relationship between Advanced Glycation End Products and their receptor, sRAGE and cardiovascular diseases risk in adults with T2D and vitamin D insufficiency/deficiency
Group C - # 2	Dietetics and Nutrition	Jacqueline Hernandez	Feasibility of a Study on Gut Integrity, Microbial Translocation, Immune Activation and Vitamin D in People Living with HIV (PLWH) Who Use Illegal Drugs
Group C - # 3	Dietetics and Nutrition	Alicia Sneij Perez	Preliminary Results on the Effectiveness of a Nutrition Intervention in Lowering Diabetes Risk in Prediabetic People Living with HIV (PLWH) in MASH Cohort
Group C - # 4	Communication Sciences & Disorders	Natalie Martinez	Adults who stutter and their motivation for attending stuttering support groups
Group C - # 5	Nursing	Ahmad Rayani	The Morse Falls Scale: An Evidenced Based Intervention for a Medical Center in the South of Saudi Arabia
Group C - # 6	Anesthesia	Ludovico Riggio	Analysis of research on the possibility of neuronal damage in brains of children under age 4 who received multiple exposures to volatile anesthetics and guidelines to prevent damage

* Group A: College of Arts, Sciences & Education; Group B: College of Engineering & Computing; Group C: Robert Stempel College of Public Health & Social Work and Nicole Wertheim College of Nursing & Health Sciences

Monday, April 1st - 11:00 AM - 12:30 PM

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Poster #	Field of study	Presenter's name	Title of the presentation
Group A - # 6	Chemistry	Elisa Shoff	Analysis and Identification of Isomeric Fentanyl Analogs Using GC-APCI-TIMS-TOF MS
Group A - # 7	Chemistry	Anthony Castellan	Following skin wound healing using 2D Mass Spectrometry Imaging
Group A - # 8	Chemistry	Kim Dang	Alternative Mobility Calibration Frameworks for Trapped Ion Mobility Spectrometry
Group A - # 9	Biological Sciences	Thomas Fieldsend	First genetic analysis of Florida's invasive Madagascar giant day gecko (<i>Phelsuma grandis</i>) population
Group A - # 10	Chemistry	Jacob Porter	Characterization of the Intrinsically Disordered AT-Hook Peptides using Mobility-selected MS/MS
Group A - # 11	Chemistry	Alice Boone	The Enhancement of Human Scent Profiles as Forensic Evidence
Group A - # 12	Chemistry	Dennys Leyva	Unraveling the Structural Complexity and Diversity of Dissolved Organic Matter using TIMS-FT-ICRMS
Group B - # 7	Civil & Environment Engineering	Seyedmirsajad Mokhtarimousa	Improved Support Vector Machine Models for Work Zone Crash Injury Severity Prediction and Analysis
Group B - # 8	Civil & Environment Engineering	FatimaVieira	Preliminary Investigation of the Shear Friction Capacity of Interfaces without Steel Crossing the Interface
Group B - # 9	Civil & Environment Engineering	Nourhan Abdelfata	Experimental study of the wind effect on Tropical houses
Group B - # 10	Civil & Environment Engineering	Dewan Hossain	Application of Global Sensing Network in Bridge Infrastructure- A Potential Future of Integration to Vehicle-to-Infrastructure (V2I) Environment
Group B - # 11	Civil & Environment Engineering	Angela Kitali	Impact of Express Lane Geometric Characteristics on Propensity of Crashes
Group B - # 12	Civil & Environment Engineering	Mosammat Tahnin Tariq	Methodology to derive route diversion during freeway incident conditions based on field data
Group C - # 7	Health Promotion and Disease Prevention	Rumi Agarwal	The Embrace Mentoring Program: Closing the gap for students with intellectual disabilities
Group C - # 8	Epidemiology	Wei Li	The association between Pain and Fall among Aging-Chinese Health and Retirement Longitudinal Study
Group C - # 9	Epidemiology	Prem Gautam	Is there an association among sleep duration, nap and stroke? A Retirement Longitudinal Study from Aging-Chinese
Group C - # 10	Epidemiology	Jessica Seitchick	Factors Associated with Effectively Re-Linking Out of Care Individuals to HIV Care in Broward County, FL
Group C - # 12	Environmental Health Sciences	Abdulhadi Abdulwahe	Investigation of the DNA Damage Response in Chemoresistant versus Chemosensitive Ovarian Cancer Cells

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Monday, April 1st - 1:30 PM - 3:00 PM

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Poster #	Field of study	Presenter's name	Title of the presentation
Group A - # 13	Chemistry & Biochemistry	Joseph Rahm	Non-destructive, enhanced collection and recovery from difficult forensic samples, improving the 'front end' processes of DNA typing
Group A - # 14	Chemistry & Biochemistry	Eduardo Laverde	R-loops modulate trinucleotide repeat instability through DNA base excision repair
Group A - # 15	Chemistry & Biochemistry	Chantrell Frazier	Human Scent Forensics: A cross-disciplinary study using HS-SPME-GCMS VOC Analyses and Length Heterogeneity PCR
Group A - # 16	Chemistry & Biochemistry	Linjia Su	Tight binding of natural polyphenols to the intrinsically disordered mammalian high mobility group protein AT-hook 2
Group A - # 17	Chemistry & Biochemistry	Tumpa Dasgupta	Role of D6-alpha helix in interaction between N-and C- terminal domains of E. coli topoisomerase I
Group B - # 13	Biomedical Engineering	Amirala Bakhshiannik	In vitro and In vivo Assessments of Time-dependent Bisphosphonates Treatment in Development of Cardiovascular Calcification
Group B - # 14	Biomedical Engineering	Daniel Chaparro	Correlating 3-dimensional aortic valve mechanics to the onset of valvular disease in post surgically explanted valve leaflets
Group B - # 15	Biomedical Engineering	Zahra Nafar	VIS-OCT based quantitative imaging of RPE Lipofuscin with customized A2E-PMMA reference target
Group B - # 16	Biomedical Engineering	Ashfaq Ahmed	A computational model for functional uncoupling in the stomach
Group B - # 17	Biomedical Engineering	Kacie Kaile	Development and validation of smartphone based oxygenation tool for wound imaging
Group B - # 18	Biomedical Engineering	Mohammad Shaver	Caveolin-1 As a Potential Mediator of Vascular Communication
Group C - # 13	Social Work	Michelle Thompson	The impact of microaggressions on psychological well-being among sexual minorities of color
Group C - # 14	Social Work	Mitra Naseh	Cultural Adaptations in Psychosocial Interventions for Post-Traumatic Stress Disorder among Refugees: A Systematic Review
Group C - # 15	Social Work	Maryam Rafieifar	Impacts of Immigration Enforcement Actions on US Citizen Children with Undocumented Parent(s)
Group C - # 16	Health Promotion & Disease Prevention	Gabriella Wuyke	University Student's Risk Perceptions of Crossing the Street While Using a Cell Phone
Group C - # 17	Health Promotion & Disease Prevention	Etinosa Oghogho	Intentional Firearm Mortality in Children and Adolescents in the United States, 1999-2016: Impact of State Legislation and Access to Mental and Acute Trauma Health Care
Group C - # 18	Health Promotion & Disease Prevention	IanLee	Seasonal Influenza Risk Perception and Intention to Vaccinate among University Students: A Cross-sectional Study

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Monday, April 1st - 3:30 PM - 5:00 PM

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Poster #	Field of study	Presenter's name	Title of the presentation
Group A - # 18	Chemistry & Biochemistry	Clement Olanrewaju	Coupling GC-APLI-TIMS-MS for the analysis of PAH in crude oils
Group A - # 19	Chemistry & Biochemistry	Yarixa Cintron-Diaz	Fast, Ambient, Protein Screening of Native Brain Sections using LESA-TIMS-MS
Group A - # 20	Chemistry & Biochemistry	Pawlos Tsegay	Oxidative DNA damage alters miRNA associated with DNA repair proteins
Group A - # 21	Earth and Environment	Shagufta Gaffar	Effects of Different Biochars on the adsorption and desorption of Atrazine
Group A - # 22	Physics	Prabin Baral	Molecular Dynamics Investigations of Enzyme Conformational Changes
Group A - # 23	Physics	Popular Pandey	Nanopore-nanoelectrode for potential sensing of single nanoparticle collision events
Group B - # 19	Biomedical Engineering	Arezoo Geramipour	Age-related degradation of urinary tract reflexes
Group B - # 20	Biomedical Engineering	Maria F Bandres	Microstimulation in spinal motor regions modulates neural transmission in spinal pain pathways
Group B - # 21	Biomedical Engineering	Maierhaba Sailaijiang	Validation of a Near-Infrared Optical Scanner to Measure Changes in Oxygenation: Phantom Studies
Group B - # 22	Biomedical Engineering	Christopher Estrella	Assessment of commercialization pathways for a low-cost hand-held near-infrared optical scanner
Group B - # 23	Biomedical Engineering	Caitlyn Myland	The neural recruitment of executive function in monolingual versus bilingual preterm-born children: an fnirs study
Group D - # 1	Criminology and Criminal Justice	Maria Arndt	Race, Arrest, and Evidence Strength
Group D - # 2	Criminology and Criminal Justice	Sinchul Back	Who are the Hackers: An Application of Cybercriminal Profiling Approach
Group D - # 3	Criminology and Criminal Justice	Brent Blakeman	Human Trafficking in Rural Areas
Group D - # 4	Criminology and Criminal Justice	Erik Cruz	The Effect of Temperature on Aggression and Crime; Differing Theatrical Perspectives
Group D - # 5	Criminology and Criminal Justice	Joelle Lee	Exploring the Geography of Sexual Offender Residency Issues in Florida
Group D - # 6	LACC	Edward Kennedy	Political Corruption: its Effects on the Presidential Elections in Mexico in July of 2018

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