GSAW 2019
Graduate Student Appreciation Week
Scholarly Forum
Poster Presentation Program

Monday, April 1, 2019
SASC 100
# Day 1: Monday, April 1\textsuperscript{st} - 9:00 AM - 10:30 AM

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

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

* 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

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

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<thead>
<tr>
<th>Poster #</th>
<th>Field of study</th>
<th>Presenter’s name</th>
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<tbody>
<tr>
<td>Group A - # 6</td>
<td>Chemistry</td>
<td>Elisa Shoff</td>
<td>Analysis and Identification of Isomeric Fentanyl Analogs Using GC-APCI-TIMS-TOF MS</td>
</tr>
<tr>
<td>Group A - # 7</td>
<td>Chemistry</td>
<td>Anthony Castellan</td>
<td>Following skin wound healing using 2D Mass Spectrometry Imaging</td>
</tr>
<tr>
<td>Group A - # 8</td>
<td>Chemistry</td>
<td>Kim Dang</td>
<td>Alternative Mobility Calibration Frameworks for Trapped Ion Mobility Spectrometry</td>
</tr>
<tr>
<td>Group A - # 9</td>
<td>Biological Sciences</td>
<td>Thomas Fieldsend</td>
<td>First genetic analysis of Florida’s invasive Madagascar giant day gecko (Phelsuma grandis) population</td>
</tr>
<tr>
<td>Group A - # 10</td>
<td>Chemistry</td>
<td>Jacob Porter</td>
<td>Characterization of the Intrinsically Disordered AT-Hook Peptides using Mobility-selected MS/MS</td>
</tr>
<tr>
<td>Group A - # 11</td>
<td>Chemistry</td>
<td>Alice Boone</td>
<td>The Enhancement of Human Scent Profiles as Forensic Evidence</td>
</tr>
<tr>
<td>Group A - # 12</td>
<td>Chemistry</td>
<td>Dennys Leyva</td>
<td>Unraveling the Structural Complexity and Diversity of Dissolved Organic Matter using TIMS-FT-ICRMS</td>
</tr>
<tr>
<td>Group B - # 7</td>
<td>Civil &amp; Environment Engineering</td>
<td>Seyedmirsajad Mokhtarimousa</td>
<td>Improved Support Vector Machine Models for Work Zone Crash Injury Severity Prediction and Analysis</td>
</tr>
<tr>
<td>Group B - # 8</td>
<td>Civil &amp; Environment Engineering</td>
<td>Fatima Vieira</td>
<td>Preliminary Investigation of the Shear Friction Capacity of Interfaces without Steel Crossing the Interface</td>
</tr>
<tr>
<td>Group B - # 9</td>
<td>Civil &amp; Environment Engineering</td>
<td>Nourhan Abdelfata</td>
<td>Experimental study of the wind effect on Tropical houses</td>
</tr>
<tr>
<td>Group B - # 10</td>
<td>Civil &amp; Environment Engineering</td>
<td>Dewan Hossain</td>
<td>Application of Global Sensing Network in Bridge Infrastructure- A Potential Future of Integration to Vehicle-to-Infrastructure (V2I) Environment</td>
</tr>
<tr>
<td>Group B - # 11</td>
<td>Civil &amp; Environment Engineering</td>
<td>Angela Kitali</td>
<td>Impact of Express Lane Geometric Characteristics on Propensity of Crashes</td>
</tr>
<tr>
<td>Group B - # 12</td>
<td>Civil &amp; Environment Engineering</td>
<td>Mosammat Tahnin Tariq</td>
<td>Methodology to derive route diversion during freeway incident conditions based on field data</td>
</tr>
<tr>
<td>Group C - # 7</td>
<td>Health Promotion and Disease Prevention</td>
<td>Rumi Agarwal</td>
<td>The Embrace Mentoring Program: Closing the gap for students with intellectual disabilities</td>
</tr>
<tr>
<td>Group C - # 8</td>
<td>Epidemiology</td>
<td>Wei Li</td>
<td>The association between Pain and Fall among Aging-Chinese Health and Retirement Longitudinal Study</td>
</tr>
<tr>
<td>Group C - # 9</td>
<td>Epidemiology</td>
<td>Prem Gautam</td>
<td>Is there an association among sleep duration, nap and stroke? A Retirement Longitudinal Study from Aging-Chinese</td>
</tr>
<tr>
<td>Group C - # 10</td>
<td>Epidemiology</td>
<td>Jessica Seitchick</td>
<td>Factors Associated with Effectively Re-Linking Out of Care Individuals to HIV Care in Broward County, FL</td>
</tr>
<tr>
<td>Group C - # 12</td>
<td>Environmental Health Sciences</td>
<td>Abdulhadi Abdulwahe</td>
<td>Investigation of the DNA Damage Response in Chemoresistant versus Chemosensitive Ovarian Cancer Cells</td>
</tr>
</tbody>
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* 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 - 1:30 PM - 3:00 PM

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<tr>
<td>Group A</td>
<td>Chemistry &amp; Biochemistry</td>
<td>Joseph Rahm</td>
<td>Non-destructive, enhanced collection and recovery from difficult forensic samples, improving the ‘front end’ processes of DNA typing</td>
</tr>
<tr>
<td>Group A</td>
<td>Chemistry &amp; Biochemistry</td>
<td>Eduardo Laverde</td>
<td>R-loops modulate trinucleotide repeat instability through DNA base excision repair</td>
</tr>
<tr>
<td>Group A</td>
<td>Chemistry &amp; Biochemistry</td>
<td>Chantrell Frazier</td>
<td>Human Scent Forensics: A cross-disciplinary study using HS-SPME-GCMS VOC Analyses and Length Heterogeneity PCR</td>
</tr>
<tr>
<td>Group A</td>
<td>Chemistry &amp; Biochemistry</td>
<td>Linjia Su</td>
<td>Tight binding of natural polyphenols to the intrinsically disordered mammalian high mobility group protein AT-hook 2</td>
</tr>
<tr>
<td>Group A</td>
<td>Chemistry &amp; Biochemistry</td>
<td>Tumpa Dasgupta</td>
<td>Role of D6-alpha helix in interaction between N-and C- terminal domains of E. coli topoisomerase I</td>
</tr>
<tr>
<td>Group B</td>
<td>Biomedical Engineering</td>
<td>Amirala Bakhshiannik</td>
<td>In vitro and In vivo Assessments of Time-dependent Bisphosphonates Treatment in Development of Cardiovascular Calcification</td>
</tr>
<tr>
<td>Group B</td>
<td>Biomedical Engineering</td>
<td>Daniel Chaparro</td>
<td>Correlating 3-dimensional aortic valve mechanics to the onset of valvular disease in post surgically explanted valve leaflets</td>
</tr>
<tr>
<td>Group B</td>
<td>Biomedical Engineering</td>
<td>Zahra Nafar</td>
<td>VIS-OCT based quantitative imaging of RPE Lipofuscin with customized A2E-PMMA reference target</td>
</tr>
<tr>
<td>Group B</td>
<td>Biomedical Engineering</td>
<td>Ashfaq Ahmed</td>
<td>A computational model for functional uncoupling in the stomach</td>
</tr>
<tr>
<td>Group B</td>
<td>Biomedical Engineering</td>
<td>Kacie Kaile</td>
<td>Development and validation of smartphone based oxygenation tool for wound imaging</td>
</tr>
<tr>
<td>Group B</td>
<td>Biomedical Engineering</td>
<td>Mohammad Shaver</td>
<td>Caveolin-1 As a Potential Mediator of Vascular Communication</td>
</tr>
<tr>
<td>Group C</td>
<td>Social Work</td>
<td>Michelle Thompson</td>
<td>The impact of microaggressions on psychological well-being among sexual minorities of color</td>
</tr>
<tr>
<td>Group C</td>
<td>Social Work</td>
<td>Mitra Naseh</td>
<td>Cultural Adaptations in Psychosocial Interventions for Post-Traumatic Stress Disorder among Refugees: A Systematic Review</td>
</tr>
<tr>
<td>Group C</td>
<td>Social Work</td>
<td>Maryam Rafieifar</td>
<td>Impacts of Immigration Enforcement Actions on US Citizen Children with Undocumented Parent(s)</td>
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<tr>
<td>Group C</td>
<td>Health Promotion &amp; Disease Prevention</td>
<td>Gabriella Wuyke</td>
<td>University Student’s Risk Perceptions of Crossing the Street While Using a Cell Phone</td>
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<tr>
<td>Group C</td>
<td>Health Promotion &amp; Disease Prevention</td>
<td>Etinosa Oghogho</td>
<td>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</td>
</tr>
<tr>
<td>Group C</td>
<td>Health Promotion &amp; Disease Prevention</td>
<td>IanLee</td>
<td>Seasonal Influenza Risk Perception and Intention to Vaccinate among University Students: A Cross-sectional Study</td>
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Monday, April 1st - 3:30 PM - 5:00 PM

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