GROUP 2

Host: Allison Huff Mac Pherson

9:00 AM  Eva Flores-Cuen, Biochemistry, Molecular Biology at University of Arizona

“Unilateral Ureter Obstruction: The Relationship Between the Lung and the Kidney”

Mentored by: Francesca Polverino, MD, PhD (Asthma & Airway Disease Research Center)

9:08 AM  Anthony German, Neuroscience and Cognitive Science at University of Arizona

“Formulation and Characterization of Perfluorocarbon Phase-Change Contrast Agents and Nitric Oxide Conjugated Nanoparticles”

Mentored by: Terry O. Matsunaga, Pharm.D., PhD (Medical Imaging)

9:16 AM  Michelle Gordon, Molecular and Cellular Biology at Pima Community College, University of Arizona

“Age-Related Changes in Birdsong: An Adult Male Zebra Finch Longitudinal Study”

Mentored by: Julie Miller, PhD (Neuroscience)

9:24 AM  Daney Guzman, Psychological Science at University of Arizona

“Assessing Antidepressant Class Superiority in Treating Depression Among Adult Cancer Patients Enrolled in a Collaborative Depression Care Intervention”

Mentored by: Heidi Hamann, PhD, M.S. (Psychology)

9:32 AM  Break (10 min)
9:42 AM Kiley McCombs, Physiology & Medical Sciences and Biology, Biomedical Sciences concentration at University of Arizona
“Swellable Nano/Microgels Improve Targeted Deep Lung Delivery of Suramin.”
Mentored by: Heidi M Mansour, PhD (Pharmacology and Toxicology)

9:50 AM Paulette Nevarez, Family Studies and Human Development at University of Arizona
“Using Portable Confocal Microscope for Studying Peripheral Neuropathy”
Mentored by: Dongkyun “DK” Kang, PhD (Optical Sciences and Biomedical Engineering)

9:58 AM Hector Ortiz, Biology with a Biomedical Sciences emphasis at University of Arizona
“Reduced Tolerance and Increased Pain Relief During Opioid Treatment with the Hsp90 Isoform-Selective Inhibitor KUNG65”
Mentored by: John M. Streicher, PhD (Pharmacology)

10:06 AM Lindsay Pacheco, Medical Studies at Arizona State University
“Identifying Feasible Glucose-Guided Fasting Thresholds for People with Type 2 Diabetes”
Mentored by: Susan M Schembre, PhD, RD

10:14 AM Break (10 min)

10:24 AM Estevan Sandoval, Physiology at University of Arizona
“Homozygous Human PAR2 Expressing Mice: A Novel Asthma Model”
Mentored by: Julie Ledford, PhD (Cellular & Molecular Medicine)

10:32 AM Mayra Solares, Global Health at Arizona State University
“Frail vs. Non-Frail: Evaluating Correlations Between Baseline Heart Rate and Heart Rate Dynamics”
Mentored by: Nima Toosizadeh, PhD (Biomedical Engineering)
10:40 AM  
Emilia Vega, Medical Studies at Arizona State University  
“An Analysis of Female Mouse Reproductive Parameters Using 11 Complete CD-1 Mouse Data Sets”  
Mentored by: Zelieann R Craig, PhD (Animal & Comparative Biomedical Sciences)

10:48 AM  
Rachel Whitman, Microbiology at University of Arizona  
“Developing and Testing an Education Program for Primary Care Providers About Shared Decision-Making with Patients with Intellectual and Developmental Disabilities (IDD)”  
Mentored by: Julie Armin, PhD (Family and Community Medicine)