Ronald E. McNair Achievement Program Session 1
Oral Presentations
Host: Fernando Paredes Co-host: Mary Bankhead

9:00 AM
Anay Amaro, Pharmaceutical Sciences at University of Arizona
“Microtubule-Associated Proteins in Insulin-simulated Glucose Uptake”
Mentored by: Dr. Paul R. Langlais (Medicine)

9:15 AM
Sydney Kathia Arriaga, Neuroscience and Cognitive Science at University of Arizona
“The Role of Afferent Renal Nerves in Polycystic Kidney Disease Progression”
Mentored by: Dr. Christopher Banek (Physiology)

9:30 AM
Bryan Castillo, Mathematics at University of Arizona
“Traveling Waves in Reaction-Diffusion Equations”
Mentored by: Dr. Christopher Henderson (Mathematics)

9:45 AM
Anett Garcia, Biology at University of Arizona
“Using Computational Methods to Understand Electrical Properties of Conductive Hydrogels”
Mentored by: Dr. Shang Song (Biomedical Engineering)

10:00 AM
Angel Hernandez, Biomedical Engineering at University of Arizona
“Engineering Conductive Hydrogels”
Mentored by: Dr. Shang Song (Biomedical Engineering)

BREAK: 10:15-10:30

10:30 AM
Ivana Danielle De La Rosa, Electrical and Computer Engineering at University of Arizona
“Documenting Immune Cell Populations and Locations in Male and Female Mice with Ischemic Stroke”
Mentored by: Dr. Helena Morrison (Nursing)

10:45 AM
Zaine Gray, History at University of Arizona
“The Roman Empire: Adoption as an Imperial Tool and its Effect on Stability”
Mentored by: Dr. John Bauschatz (History)

11:00 AM
Emely Inzunza, Natural Resources: Wildlife Conservation and Management emphasis at University of Arizona
“Parental Care Trade-offs in Captive Zebra Finch Populations”
Mentored by: Dr. Renee Duckworth (Ecology and Evolutionary Biology)

11:15 AM
Trisha Jean Lane, Molecular and Cellular Biology at University of Arizona
“Characterization of novel sorbents tailored for PFAS removal from water”
Mentored by: Dr. Vasiliki (Vicky) Karanikola (Chemical and Environmental Engineering)

11:30 AM
Alan Manuel Loreto Cornídez, Physics at University of Arizona
“Application Development and Pre-Silicon Design Analysis for a Heterogeneous Computing Platform”
Mentored by: Dr. Ali Akoglu (Electrical and Computer Engineering)