Arriaga, Brandon  
St. Philip's College, Science  
DNA Quantification  
Research Completed at:  
St. Philip's College  
Mentor - Mary Kelaita, Ph.D.

Benavidez, Nancy  
Palo Alto College, Biology  
Role of Apolipoprotein N-Acetyltransferase (Lnt) in the Pathophysiology of Lyme Disease Agent  
Research completed at:  
University of Texas at San Antonio  
Mentor - Janakiram Seshu, Ph.D.

Chavana, Joshua  
San Antonio College, Engineering  
Optimization of a Prototype Hydrogen Fuel Cell Vehicle Electrical Subsystem  
Research completed at:  
San Antonio College  
Mentor - Klaus Bartels

Durant, Ericka  
Northeast Lakeview College, Health & Bio Science  
Aldol Condensation of Cyclohexanone over Polyoxometalates  
Research Completed at:  
St. Philip's College  
Mentor - Shane Kendell, Ph.D.

Enyeart, Theresa  
San Antonio College, Engineering  
Development of a Soft Electromagnetic Actuator  
Research completed at:  
University of Texas at San Antonio  
Mentor - Amir Jafari, Ph.D.

Falato, Michael  
Northeast Lakeview College, Physics  
Molecular Dynamics: Exploration of Pheromone-Binding Protein, Lush  
Research completed at:  
University of Texas at San Antonio  
Mentor - Liao Chen, Ph.D.

Garcia, Johnathan  
San Antonio College, Anthropology  
Bee Bluff Impact Structure  
Research completed at:  
San Antonio College  
Mentor - Dwight Jurena

Garcia, Melissa  
San Antonio College, Environmental Engineering  
Yearly Average of Photovoltaic Hours for the Island of Puerto Rico  
Research completed at:  
University of Texas at San Antonio  
Mentor - Hongjie Xie, Ph.D.

Garcia, Miriam  
Northeast Lakeview College, Nuerobiology  
Ventral Striatal Dopamine Release and Freezing Behavior in Aversive Learning in Rats  
Research completed at:  
University of Texas at San Antonio  
Mentor - Matthew Wanat, Ph.D.

Harrison, Matthew  
St. Philip's College, Chemistry  
Biofuel Production over Metal Oxides and Metal Organic Compounds  
Research Completed at:  
St. Philip's College  
Mentor - Shane Kendell, Ph.D.

Jones, Alexandria  
St. Philip's College, Biology  
CRISPR C. Elegans  
Research Completed at:  
St. Philip's College  
Mentor - Mary Kelaita, Ph.D.

Lopez, Zachary  
Palo Alto College, Electrical Engineering  
Probing Brain Waves Using Magnetoelectrics  
Research completed at:  
University of Texas at San Antonio  
Mentor - Ruyan Guo, Ph.D.
STUDENTS

Martinez, Ernestina  
Northwest Vista College, Biomedical Engineering  
Relationship Between Skeletal Muscle Satellite Cells and Angiogenesis  
Research completed at: University of Texas at San Antonio  
Mentor - Teja Guda, Ph.D.

Mendoza, Robert  
Northwest Vista College, Mechanical Engineering  
Sputtering Deposition  
Research completed at: University of Texas at San Antonio  
Mentor - Ethan C. Ahn, Ph.D.

Miglio, Camila  
San Antonio College, Engineering  
2018 Prototype Hydrogen Fuel Cell Vehicle  
Research completed at: San Antonio College  
Mentor - Alfred Alaniz and Klaus Bartels

Munoz, Savannah (Nemo)  
Northwest Vista College, Biology  
Chromosomal Deletion of Structural Flagellar Genes from Vibrio Cholera  
Research completed at: University of Texas at San Antonio  
Mentor - Dr. Soo Chan Lee

Otero, Hermosa  
Northeast Lakeview College, Biology  
River Habitat used by Fish and Other Aquatic Organisms  
Research completed at: University of Texas at San Antonio  
Mentor - Brian Laub Ph.D.

Potter, Markus  
St. Philip’s College, Chemistry  
Adipic Acid Synthesis from Cyclohexanone and H2O2 over Heteropolycompounds  
Research completed at: St. Philip’s College  
Mentor - Shane Kendell, Ph.D.

Ramos, Diego  
Northwest Vista College, Mathematics  
Implementing a Convolutional Neural Network onto a Mobile Robotics Platform  
Research completed at: University of Texas at San Antonio  
Mentors - Mo Jamshidi, Ph.D. and Patrick Benavidez, Ph.D.

Sarmiento, Antonio  
Northeast Lakeview College, Civil Engineer  
Reliability of Suspension Bridge Cables  
Research completed at: University of Texas at San Antonio  
Mentor - Arturo Montoya, Ph.D.

Vasquez, Gilbert, II  
Northwest Vista College, Mechanical Engineering  
Bladder Vision  
Research completed at: University of Texas at San Antonio  
Mentor - R. Lyle Hood, Ph.D.

Congratulations, Students!