

STUDENTS



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,
Neurobiology

*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
Magnetolectrics*

Research completed at:
University of Texas at San Antonio
Mentor - Ruyan Guo, Ph.D.

CIMA-LSAMP

PROGRAM ALLIANCE

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 Heteropolycycompounds*

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

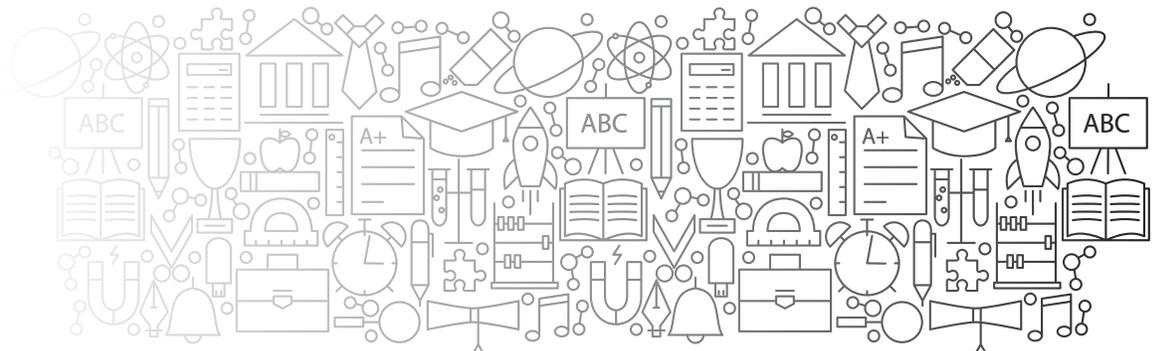
Research Completed at:
University of Texas at San Antonio
Mentor - Arturo Montoya, Ph.D.



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!