

# 2017 Engaged Scholar Symposium (ES<sup>2</sup>)

This year many of our amazing students gave presentations.

Engaged Scholar Symposium 2017 Photo Album

## Congratulations to our Winners!!



### Poster Presentations Winners

#### Sciences

- Daniela Butanda, Ivan Davila, Karen Martirosyan, *Thermal Dose Dissipation Approach for Escherichia coli*, **(BMED Major, MBRs-RISE)**
- Hector Filizola, Alejandra C. Camacho, Mario Gil, Gabriel A. de Erausquin, *Primary Culture of Dopaminergic Neurons from the Midbrain of the Monodelphis domestica*, **(APRIME-TIME)**

#### Health

- Carolina Leynes, Marco A. Arriaga, Sue Anne Chew, *An Investigation of the Attachment and Proliferation of Cells on PCL Scaffolds with Different Porogen Volume Percent and Sizes for Bone Tissue Engineering*, **(BMED Major, MBRs-RISE)**

#### Community Research

- Lakshman Vigneswaran, *An Analysis of Medical and Social Barriers to Optimal Diabetes Care in Patients Attending a Community Health Center* **(APRIME-TIME)**

#### Interdisciplinary/Liberal Arts

- Alejandra Torres, Sachin George, Paul Alexander Shane, Muhammad Siddiqui, Hugo Rodriguez, Maria Teresa Castaneda, Manuel Saldivar, Erich Wittmer, *Evaluation of The Early Clinical Experiences in the A-PRIME TIME Brownsville Campus Program* **(APRIME-TIME)**

### Oral Presentations Winners

#### Sciences

- Michael Carrillo, Wei Lin, *Quantum Chemical calculations of the monomer and monohydrate of 3,3,3-trifluoro-2-(trifluoromethyl)propanal*, **(Chemistry Major, MBRs-RISE)**

## Poster Presentations

- Eдня Gutierrez, Saraswathy Nair, *Determining the effects of melatonin on 3T3-L1*, (**Biology Major, MBRS-RISE**)
- Roman Sanchez-Martinez, Aylin Flores, Jose Vega, Paola Vidal, *iPad Charger (Generic vs. Apple) & Effect of Using Apps on Battery Life* (**BMED Major, BFRI, MBRS-RISE**)
- Aleida Gonzalez, Arnulfo Mar, *Biochemical Studies of the Neem Plant. A Folk Remedy Used in the Treatment of Diabetes* (**Chemistry Major, MBRS-RISE**)
- Perla Leyva, Jesus Gonzalez, Cindy Salazar, Miriam Garcia, Murat Karabulut, Merrill Funk *The Validity of Popular Smartphone Apps at Measuring Steps While Walking and Jogging on a Treadmill*, (**BMED Major, MBRS-RISE**)
- Roberto De La Garza, Eric Escobedo, Julian Garza, Raul Ordonez, Sue Anne Chew, *The Study of Hydro-Absorption of Different Paper Towels* (**BMED Major, BFRI, MBRS-RISE**)
- Daniel A Rodriguez De Anda, Marco A. Arriaga, Sue Anne Chew, *Development of Poly(lactic-co-glycolic acid) Microparticles Loaded with the Chemotherapy Drug Temozolomide for the Treatment of Glioblastomas* (**BMED Major, MBRS-RISE**)
- Kassandra Cervantes, Ahmed Touhami, *Nanomechanics of Bacterial Type IV Pili*, (**BMED Major, MBRS-RISE**)
- Samantha Garcia, Michelle Montiel, Anahi Sanchez, *How Far Will You Go: An Investigation Comparing Distance & Speed Between Various Pepper Sprays*, (**BMED Major, BFRI, MBRS-RISE**)
- Daphne AlcalaZuniga, Sarai Doria, Ernesto A. Castillo, Saul Lopez, *Abominable YETI cup: Temperature Analysis of Cups Constructed from Different Insulating Materials* (**BMED Major, BFRI**)
- Jonathan Abshier and Alejandra Padron, *Antibacterial Activity of Citrus Fruits On Escherichia Coli*(**BMED Major, BFRI**)
- Natasha Vora, Manuel Saldivar, Sue Anne Chew , Biomedical Sciences Freshman Research Initiative (BFRI) at The University of Texas Rio Grande Valley: An Opportunity to Expose A Larger Number of Underrepresented Students to Research (**APRIME-TIME**)
- Jamie Mathews, Dr. Julie Mustard , *Can Honey Bees Determine the Nutritional Value of Food if They Cannot Taste It?* (**APRIME-TIME**)
- Yarrisa Ramirez, Arnulfo Garza, Chun Xu , *Gene Discovery for Epilepsy in the Latino Population by Whole Exome Sequencing* (**BMED Major**)
- Mario Enrique Patlan Jr., Mkhitar Hobosyan, Karen Martirosyan, *Magnetic Properties of PEG-Coated Bismuth Ferrite Nanoparticles* (**BMED Major**)
- Jesus Roberto Franco, Marco Arriaga, Sue Anne Chew, *Optimization of the Fabrication Method of Minocycline Loaded PLGA Microparticles for Glioblastomas* (**APRIME-TIME**)
- Alberto Arroyo, Robert Olmedo Lopez, Graciela Ester Alvarez, Amanda De Los Santos, *Wireless Fidelity Across The University of Rio Grande Valley at Brownsville* (**BMED Major, BFRI**)
- Imran Murtuza, *Visualization of Active Hunger Hormone Receptors in the Brain's Learning Center*(**BMED Major**)
- Iris Gamez, Sachin George, Emily Limas, Arely Martinez, Paul Shane, *Which Antacid Is Best For You?* (**BMED Major, BFRI**)
- Jonathan Abshier, Chun Xu , *ODD and CD as Comorbidities of ADHD in the Latino Population*(**BMED Major**)
- Viviana Quintero , Edgar Capistran, Valeria Gonzalez, Adrian Maldonado, *Is it quiet enough?: A study of noise levels throughout campus* (**BMED Major, BFRI**)
- Yammile Vargas, Leslie L. Rivera-Lopez, John VandeBerg, Annelyn Torres-Reveron, *Quantification of Developmental Sensory-Motor Behaviors in Monodelphis domestica (Opossum)* (**BMED Major**)
- Hector Filizola, Alejandra C. Camacho, Mario Gil, John VandeBerg, Gabriel A. de Erausquin, *Neuronal Primary Culture from the brain of the Monodelphis domestica*(**BMED Major**)

## Oral Presentations

- **Ramona Luna**, Ahmed Touhami, *Effect of Temperature and pH on the Nanostructural and Nanomechanical Properties of Chitosan Films*, (**Physics Major, MBRS-RISE**)
- **Daniela Barbosa**, Sue Anne Chew, *Manipulation of Different Fabrication Parameters of PLGA/Minocycline Microparticles for the Treatment of Gliomas* (**BMED Major, MBRS-RISE**)