



College of Health Affairs

Office of the Dean

College of Health Affairs students return from the ANNUAL BIOMEDICAL RESEARCH CONFERENCE FOR MINORITY STUDENTS (ABRCMS) with 1st Place Winners.

Fifteen students from the CoHA and the CoHA RISE Program attended the “ANNUAL BIOMEDICAL RESEARCH CONFERENCE FOR MINORITY STUDENTS (ABRCMS)”, Nov 1 to 4, 2017 in Phoenix Arizona.



ABRCMS began in 2000 and has become one of the largest professional conferences focused on the scientific training of underrepresented students in STEM disciplines. Funding for ABRCMS is provided by a T36 grant from the National Institute of General Medical Sciences (NIGMS) Division of Training, Workforce Development, and Diversity and is managed by the American Society for Microbiology (ASM).

During the four-day conference, over 1,800 students from over 350 colleges and universities participated in poster and oral presentations in twelve STEM disciplines. All undergraduate student presentations were judged and those receiving the highest scores in each scientific discipline received an award during the closing banquet. Ten CoHA Students

presented their research to a community of 4000 Scholars in attendance. Two of our students placed first in their category and received a certificate and a \$300 award.

UTRGV CoHA RISE ABRCMS TOP PRESENTER AND PRIZE RECIPIENT

Undergraduate Student: Daniela Barbosa

Mentor: Dr. Sue Anne Chew

Category: Poster Presentation- Engineering, Physics, and Mathematics

Poster Title: Drug Loading and Size of Minocycline Loaded PLGA Microparticles Fabricated with Different Parameters for the Treatment of Gliomas

Undergraduate Student: Raul Ordonez

Mentor: Dr. Michael Lehker

Category: Oral Presentation- Developmental Biology and Genetics

Poster Title: Role of the p160/ Steroid Receptor Coactivator Family in Immortalized Human Endometrial Stromal Cell Line



UTRGV ABRCMS TOP PRESENTER AND PRIZE RECIPIENT

Undergraduate Student: Astrid S. Gutierrez

Mentor: Dr. Sue Anne Chew

Category: Poster Presentation- Engineering, Physics, and Mathematics

Poster Title: The Evaluation of Different Osteogenic Inducing MicroRNAs for Bone Tissue Engineering

UTRGV CoHA RISE ABRCMS PRESENTERS

Undergraduate Student: Daniela Butanda

Mentor: Dr. Karen Martirosyan

Category: Poster Presentation- Engineering, Physics, and Mathematics

Poster Title: Thermal Dose Dissipation Approach for Escherichia Coli Dissipation Approach for Escherichia coli

Undergraduate Student: Michael Carrillo

Mentor: Dr. Wei Lin

Category: Poster Presentation- Engineering, Physics, and Mathematics

Poster Title: Study of Dielectric Properties of Glucose Solutions for Non-invasive Biomedical Sensing Applications

Undergraduate Student: Kassandra Cervantes

Mentor: Dr. Ahmed Touhami

Category: Poster Presentation- ABRCMS Award Alumnus

Poster Title: Nanostructural and Nanomechanical Properties of Pseudomonas aeruginosa Pili

Undergraduate Student: Aleida Gonzalez

Mentor: Dr. Arnulfo Mar

Category: Poster Presentation- Biochemistry and Molecular Biology

Poster Title: Studies on the Biochemical Composition of Medicinal Plants Use in the Treatment of Diabetes along the US-Mexican Border

Undergraduate Student: Carolina Leynes

Mentor: Dr. Sue Anne Chew

Category: Poster Presentation- Engineering, Physics, and Mathematics

Poster Title: Accelerated Degradation of Porous PCL Scaffolds with Different Amount of Porogen and Size Range for Bone Tissue Engineering

Undergraduate Student: Perla Leyva

Mentor: Dr. Ahmed Touhami

Category: Poster Presentation- Engineering, Physics, and Mathematics

Poster Title: Fabrication of Glutaraldehyde-Chitosan Hydrogels for Biomedical Applications

Undergraduate Student: Daniel Rodriguez De Anda

Mentor: Dr. Sue Anne Chew

Category: Poster Presentation- ABRCMS Award Alumnus

Poster Title: Electrospraying vs. Emulsion-Solvent Evaporation Method of Fabrication of Chemotherapy Drug Temozolomide Loaded Poly(lactic-co-glycolic acid) Microparticles for Glioblastoma

Undergraduate Student: Roman Sanchez Martinez

Mentor: Dr. Saraswathy Nair

Category: Poster Presentation- Neuroscience

Poster Title: Neuromodulation by Elevated Salt Intake: Impact on Anxiety-Like Active Coping Behavior

UTRGV CoHA RISE ABRCMS ATTENDEES

Amador Hernandez, 3rd year scholar

Johanna Mora, 2nd year scholar

Jose Porras, 1st year scholar

Ednia Gutierrez, student tutor

UTRGV CoHA ABRCMS PRESENTERS

Undergraduate Student: Aylin Flores

Mentor: Dr. Michael Lehker

Category: Developmental Biology and Genetics

Poster Title: Distinguishing Whether Rif2 and Orc4 Subfunctionalization or Neofunctionalization After Duplication