

**2019 Faculty and Student Research Forum**  
**Winning Entries**

**Faculty Research**

**1<sup>st</sup> Place:** Arzu Ari, PhD, "An In Vitro Comparison of Jet and Mesh Nebulizers during Mechanical Ventilation, Noninvasive Ventilation and Spontaneous Breathing in Pediatrics," (Respiratory Care)

**2<sup>nd</sup> Place:** Megan Trad, PhD and Clarena Larrota, PhD, "Innovative Pedagogical Strategies for the Radiation Therapy Classroom", (Radiation Therapy)

**3<sup>rd</sup> Place:** Arzu Ari, PhD, "Impact of Filtered HME on Aerosol Delivery and Airway Resistance in a Stimulated Mechanically Ventilated Adult Lung Model," (Respiratory Care)

**Graduate Student Research**

**1<sup>st</sup> Place:** Caitlin Boykin, Sandra Seidel and Ginger Webre, "Obesity and Sedentary Lifestyle as Predictors of Anxiety and Depression," (Nursing)

**2<sup>nd</sup> Place:** Trianna Cordova, Samantha Reckson and Angela Henninger, "Preventative Effects of Cranberry Products Against Urinary Tract Infections in Healthy, Immunocompetent Women," (Nursing)

**3<sup>rd</sup> Place:** Emily Nyman, Anum Kazi and Rita Sears, "Acupuncture, Back Pain and Quality of Life," (Nursing)

**Undergraduate Student Research**

**1<sup>st</sup> Place:** Madison Segovia and Ranjini Mohan, "Perceptions of Dementia Across Students in Health Professions Programs at Texas State University," (Communication Disorders)

**Faculty/Student Collaborative Research Category**

**1<sup>st</sup> Place:** Lauren Sumner and Pamela Willson, PhD, "Behavioral Cuing: Improving Hospital Visitor Hand Hygiene Behaviors," (Nursing)

**1<sup>st</sup> Place:** Solange Adams BSN RN, Lauren Stein BSN RN, Tiffany Poplaski BSN RN and Liliana Damron BSN RN, "Diabetes Self-Care Management," (Nursing)

**2<sup>nd</sup> Place:** Rachel Crockett, Alayna Larson, Sheyla Zamalloa, Jamie Fernandezdelara and Amanda Chittick, "MITRE Healthcare Anti-Fraud Academic Competition," (Health Information Management)

**3<sup>rd</sup> Place:** Shelby Mowry and Pamela Willson, PhD, "Improving Newborn Car Seat Safety Before Hospital Discharge," (Nursing)

**3<sup>rd</sup> Place:** Stephanie Wendl and Pamela Willson, PhD, "Inpatient Outsourced Dialysis: Scorecards Usefulness and Usability for Monitoring Patient Safety," (Nursing)

**3<sup>rd</sup> Place:** Sarah Contrada, Emily Flannery, Benni Salinas and Debra McDowell, PhD, "Prevalence of Urinary Incontinence: Perceived Impact on Athletic Performance in Female Collegiate Athletes," (Physical Therapy)

## **Educational Literature Review Category**

**1<sup>st</sup> Place:** Nicholas Castillo and Dawniel Pool, "Early Onset of Efficacy with Erenumab in Patients with Episodic and Chronic Migraines," (Clinical Laboratory Science)

**2<sup>nd</sup> Place:** Heather Hansen and Rachel Johnson, "Next-Generation Sequencing-Assisted DNA-Based Digital PCR for a Personalized Approach to the Detection and Quantification of Residual Disease in Chronic Myeloid Leukemia Patients," (Clinical Laboratory Science)

**3<sup>rd</sup> Place:** Doryan Redding and Cory Harris, "First Report of Family Clusters of Chagas Disease Seropositive Blood Donors in Mexico City and Their Epidemiological Relevance," (Clinical Laboratory Science)