

**ANNOUNCING THE 2016 UTA MCNAIR SCHOLARS PROGRAM
SUMMER RESEARCH PRESENTATIONS!**

**Thursday, August 4, 2016
101 College Hall**

10:00 Claudia Martinez (Spanish), Mentor: Dr. Sonia Kania (Modern Languages). *Attitudes and Uses of the Spanish Language in the Dallas-Fort Worth Metroplex*

10:20 Saul Gutierrez (Computer Sci. & Engineering), Mentor: Dr. Panos Shiakolas (Mech. & Aerospace Engineering). *Comparison of LabView Learning Algorithms for Optimizing Grasping Patterns of a Mechanical Hand*

10:40 Kayleigh Miranda (Music), Mentor: Dr. Graham Hunt. *Will the Real Amadeus Please Stand Up: A Historic Reappraisal of Peter Shaffer's Amadeus and the Memoirs of Lorenzo Da Ponte*

11:00 Claudia Carranza (Management), Mentor: Dr. Jeffrey McGee. *The Price of a Pill: Price Disparities of Common Diabetic Medications*

11:15 Break

11:25 Jessica McCammon (Chemistry), Mentor: Dr. Junha Jeon. *Silane Dimerization Enabled by Ruthenium Catalysts*

11:45 Adrian Villalobos (Music Educ.), Mentor: Dr. John Zastoupil. *Teaching Daily Drill Exercises to Visual Learning Instrumentalists*

12:05 Sydney Cox (Psychology), Mentor: Dr. Jeffrey Gagne. *The Relationship between Temperament, Externalizing Behaviors and Family Factors in Young Children*

12:30 Lunch Break

1:30 Nicolas Long (Mech. Engineering), Faculty Liaison: Dr. Andrew Makeev. *Characterization of Early Damage in Airframe Structures using Embedded Magnetostrictive Particles*

1:50 Minwoo Kim (Political Science), Mentor: Dr. Herschel Thomas. *Content Analysis of Foreign Policy Speeches: Critical Issues Based on North Korea*

2:10 Katie Williams (Microbiology), Mentor: Dr. Kayunta Johnson-Winters. (Chemistry & Biochemistry). *F420H2:NADP+ Oxioeductase Hydride Transfer Rates: Kinetic Analysis of Thr09 Mutant*

2:30 Tristen Cardwell (English/Philosophy), Mentor: Dr. Kenneth Williford (Philosophy & Humanities). *Essential Indexicality and Self-Consciousness*

2:45 Break

2:55 Jaclyn Bazaldua (Biology & Microbiology), Mentor: Dr. Michael Roner (Biology). *Antibiotic Activity of Organotins and Organometallics*

3:15 Prince Osuchukwu (Biomedical Engineering), Mentor: Dr. Kytai Nguyen (Bioengineering). *Effects of Synthesis Parameters on Polydopamine Nanoparticle Size*

3:35 Micalah Spenrath (Earth & Environmental Science), Mentor: Dr. Ashanti Johnson. *Identification of the Plateau of Cadmium Extraction from an Aquatic Medium by Invasive Macrophyte: Eichhornia crassipes*

