## STARS Summer Research Program for Teachers



**Corey Atkins Travis Elementary School** Host: Connie Hsia, M.D.

The Potential of Decellularized Extracellular Matrix as Treatment for Acute Lung Injury



**Jennifer Hooker** W. T. White High School Host: Woo-Ping Ge, Ph.D.

Developing the Technology to Induce a Stroke with Nanoparticles



**Mary Batalla Crockett Middle School** Host: Avneesh Chhabra, M.D.

Femoroacetabular Impingement: Is It a Hip or Lumbar Spine Problem?



**Jose Sanchez** Franklin D. Roosevelt **High School** 

Host: Uttam Tambar, Ph.D.

**Computational Predictions** and Experimental Tests of Stereoselectivity: An Investigation of Substituent Effects for Diels-Alder Reactions



**Jeff Bivins Richardson High School** Host: Ralph Mason, Ph.D.

Evaluating the Effects of Vascular Disrupting Agents on 4T1-wildtype Mouse Breast Tumor Cells Through the Use of Luminol Versus the Use of Luciferin on Transgenic 4T1-luc Mouse Breast Tumor Cells



**Chaztin Stigers Duncanville High School** 

Host: Asaithamby Aroumougame, Ph.D.

Sub Cellular Measurement of Reactive Oxygen Species Using Genetically Encoded Probes in Live Cells



**Adriane Davis Dallas Environmental** Science Academy

Host: Orhan Oz, M.D., Ph.D.

Validating the Expression of the SCD-1 Enzyme in PC-3 Against M.D.A-MB-231



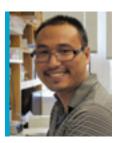
**Kelly Suckow Uplift Luna Preparatory** 

Host: Madhukar H. Trivedi, M.D.

Association Between Measures of Everyday Resilience and Student Performance in High School



## STARS Summer Research Program for Teachers



**Stephen Teng Newman Smith High School**Host: Raksha Jain, M.D.

Estrogen Hinders the Immune Response to Infection by Pseudomonas aeruginosa



Teresa Walker Sam Houston Middle School Host: Xun Jia, Ph.D.

Correlation of Dose-Volume Parameters and Clinical Rectum Side Effects in Cervical Cancer Patients Treated with High Dose-Rate Brachytherapy

