

Summer Research Program for Teachers 2016

The 2016 STARS Summer Research Program for Teachers included eight science educators from Dallas-Fort Worth and surrounding areas. This eight-week program gave teachers an opportunity to work side-by-side with a faculty host in a research laboratory. It consisted of activities, seminars, and an individualized research project that contributed to the advancement of science. The teachers were able to showcase and share these advancements during the end-of-program scientific poster session.



Jeff Bivins
Richardson High School
Mentor: [Ralph Mason, Ph.D.](#)
Innovations in Visualizing the
Activity of Vascular Disrupting
Agents



Stephanie Cartwright
Travis Middle School
Mentor: [Jian Xu, Ph.D.](#)
Generation of Ezh2 Knockout
Embryonic Stem Cells by
CRISPR-Cas9



Adriane Davis
Dallas Environmental Science
Academy
Mentor: [Orhan K. Oz, M.D.,
Ph.D.](#)
A Comparative Analysis of
PGRMC1 Versus the Sigma-2
Receptor Using Varied Imaging
Techniques



William Kulan
Lassiter Early College High
School
Mentor: [Connie Hsia, M.D.](#)
Pioglitazone Does Not Augment
Total Antioxidant Capacity in
Zucker Diabetic Fatty Rat Lung



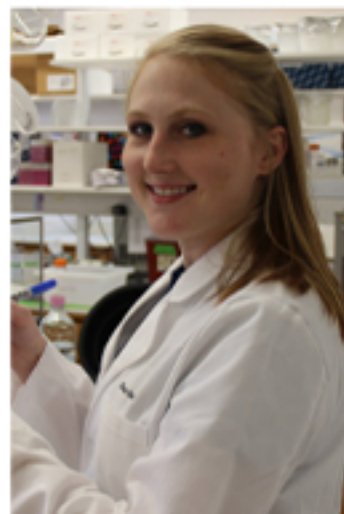
Jennifer Long
W.T. White High School
Mentor: [Woo-Ping Ge, Ph.D.](#)
Identification of Metabolites
Released from Human
Glioblastoma Cells



Monica Oliver
W.E. Greiner Middle School
Exploratory Arts Academy
Mentor: [Rana Gupta, Ph.D.](#)
Regulation of Visceral Adipose
Tissue Development



Bree Penninger
John Paul II High School
Mentor: [Elliott M. Ross, Ph.D.](#)
Does PLC- β 3 Dimerization
Contribute to the Catalytic
Activation of PLC- β 3 by G α q?



Shannon Snell
John Tyler High School
Mentor: [Asaithamby
Aroumougame, Ph.D.](#)
Cell Cycle Regulated Function
of WRN Syndrome Protein in
Response to DNA Damage