

Summer Research Program for Teachers 2019

The 2019 STARS Summer Research Program for Teachers included five 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.



Rebecca Bottin

CM Rice Middle School

Mentor: [Miriam Osterfield, Ph.D.](#)

Comparison of Protein Localization in Two *Zaprionus* Species During Epithelial Tube Morphogenesis



Brianna Harry

L.G. Pinkston High School

Mentor: [Orson Moe, M.D.](#)

Membrane Localization of The Kidney Anion Exchanger p.Arg524His mutant In Autosomal Dominant Distal Renal Tubular Acidosis



Phillip Jones

North Mesquite High School

Mentor: [Avneesh Chhabra, M.D.](#)

Quantifying Differences of Regional Fat and Muscle Tissues in Patients with Femoroacetabular Impingement versus Controls



Cherrie Lemon

Hector P. Garcia Middle School

Mentor: Woo-Ping Ge, Ph.D.

Conditional Knockout of ADAM 10 Leads to Cerebellar Development Delays



Andre Watson

L.V. Berkner High School

Mentor: [Hasan Zaki, Ph.D.](#)

NOD2-mediated Downregulation of the TLR Signaling Pathways