

STARS Summer Research Program for Teachers 2025

The 2025 STARS Summer Research Program for Teacher included three teachers from Dallas-Fort Worth and surrounding areas. This 8-week program gave teachers an opportunity to work side-by-side with a faculty host. 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.



Jazmin Ramos

Berkner High School

Lab: [Joel Elmquist, M.V.D.,
Ph.D.](#)

Adrenergic Receptor Regulation
of Leptin Production Within
Adipose Tissues



Julie Carver

Townview School of
Science and Engineering

Mentor: [Elizabeth
Davenport, Ph.D.](#)

Optimizing Sensor Placement in
an Optically Pumped
Magnetometer (OPM) System for
Detection of Cerebellar Brain
Activity



Nancy Dunning

Townview School of Health
Professions

Mentor: [Michael Reese,
Ph.D.](#)

Using Yeast Two-Hybrid for
Identifying MAPK2 Protein-
Protein Interactions Within
Minimal Binding Regions