The 2021 STARS Summer Research Program for Teacher included six teachers from Dallas-Fort Worth and surrounding areas. This 8-week program gave teachers an opportunity to virtually 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 virtual end-of-program scientific poster session.

Aaron Chila  
Harlingen School of Health Professions  
Mentor: Ralph Mason, Ph.D.  
Implications for the Use of Melatonin as a Reporting Agent for the Observation of Neurodegenerative Diseases

Briana Harry  
Skyline High School  
Mentors: Connie Hsia, M.D., Orson and Moe, M.D.  
The Cytoprotective Protein, Alpha-Klotho, Contributes to Resilience and Recovery in Lung

Laura Hopkins  
Moises Molina High School  
Mentor: John Waters, M.D.  
Single Surgeon Experience with Paraesophageal Hernia Repair (PEHr) Performed through a Left Posterolateral Thoracotomy

Jasmine Jones  
Skyline High School  
Mentor: Li Liu, Ph.D.  
Multispectral Optoacoustic Tomography (MSOT) Applications for the Imaging and Quantification of Oxygenation in HSP2 and CycT Treated Tumors

Cherrie Lemmon  
Hector P. Garcia Middle School  
Mentor: Tian Qin, Ph.D.  
Novel Drug Development Using Saturated Bioisosteres of Benzene

Shawna Lopez  
Cornerstone Christian Schools  
Mentor: Jay P. Shah, M.D.  
A Systematic Review of Patient Reported Outcomes Leads to More Effective Reporting