

STARS Virtual Summer Research Program for Teachers 2021

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.



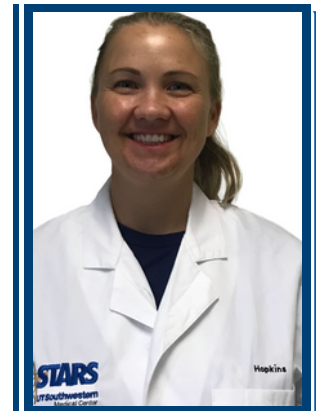
Aaron Chila
Harlingen School of
Health Professions
Mentor: [Ralph Mason, Ph.D.](#)

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