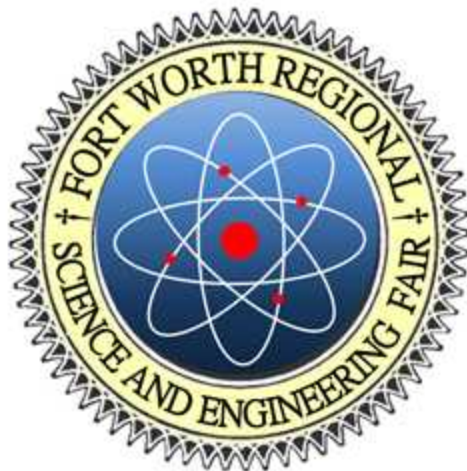
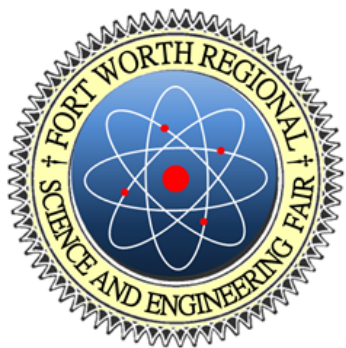




2021 Fort Worth Regional Science and Engineering Fair

Best Of Fair Awards Senior Division





2021 Fort Worth Regional Science and Engineering Fair

Best Of Fair Senior Division

1st Place: The Analysis of Chitosan in Reducing the Initial Burst Effect in Electrospun Nanofiber-Based Drug Delivery Systems (DDS)

Project ID: 146041

School: Colleyville Heritage High School

Category: Engineering: Materials & Bioengineering

Students: Sunehra Chowdhury

2nd Place: Using Post-Illumination Pupil Response as a Novel Biomarker for Parkinson's Disease

Project ID: 148731

School: TEXAS ACADEMY OF MATHEMATICS AND SCIENCES H S

Category: Medicine & Health Sciences

Students: Allen Chau, Brianna Chan

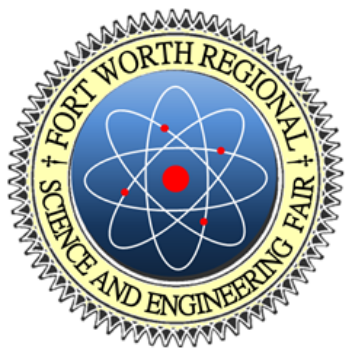
3rd Place: Molecular Dynamics Investigation of Poly [ADP-Ribose] Polymerase 1 Inhibitors as Treatment for V762A Single-Nucleotide Polymorphism Correlated with Lung and Ovarian Cancer

Project ID: 149256

School: TEXAS ACADEMY OF MATHEMATICS AND SCIENCES H S

Category: Biochemistry, Cellular, & Molecular Biology

Students: Neel Shanmugam



2021 Fort Worth Regional Science and Engineering Fair

Best Of Fair Senior Division

4th Place: Pressure-Driven C-H Activation via Non-Bonding Interactions

Project ID: 147982

School: TEXAS ACADEMY OF MATHEMATICS AND SCIENCES H S

Category: Chemistry

Students: Carly Yang

5th Place: Don't trip; TRIPP! The Effect of a Virtual Reality Meditation Environment on Stress and Mindfulness.

Project ID: 147093

School: Colleyville Heritage High School

Category: Behavioral & Social Sciences

Students: Stefan Salaices

6th Place: Developing a Free Energy Parameter Model for the Prediction and Mapping of the Uptake of Hazardous Organic Pollutants by Plant Cuticle Membranes

Project ID: 148406

School: TEXAS ACADEMY OF MATHEMATICS AND SCIENCES H S

Category: Environmental Management & Sciences

Students: Jennifer Huang, Shrika Eddula