



Conn. Science & Engineering Fair
Quinnipiac University
March 7 - 19, 2022

ISEF Winners

CSEF Physical Sciences

Naomi Park Greenwich High School Greenwich
Biomimetic Removal of Microspheres Water Contaminants, via Calcite-Infused, Coral-like Melamine Sponges

CSEF Physical Sciences

Nicholas Lee Hopkins School New Haven
Real-Time Motion Tracking System and Data Analytics for Live Insects Using Three-Wheeled Servosphere Robot

CSEF Life Sciences

Benjamin Persily King School Stamford
The use of Prime Editing to Induce and Correct the CFTR-F508del mutation in iPSCs.

CSEF Life Sciences

Ashley Malkin Greenwich High School Greenwich
Development of Readily Accessible Machine Learning Diagnostics for Early Stage Mild TBI using Eye Tracking Methods

Alexion Biotechnology

Maya Chiravuri Choate Rosemary Hall Wallingford
Development of a Home N-Terminal Pro-Brain Natriuretic Peptide Assay for the Diagnosis of Congestive Heart Failure.

Urban School Challenge

Snigtha Mohanraj Engineering and Science University Magnet New Haven
Implementing Nontoxic Modified Magnetic Metal Oxide Nanoparticle Enhanced Biochar Filtration for the Efficient Removal of Emerging Contaminants in an Aqueous Solution

Engineering

Ambika Grover Greenwich High School Greenwich
Design of a Novel, Dual-Functioning Tissue Plasminogen Activator and Anticoagulant Therapeutic for Rapid Ischemic Stroke Treatment