



Conn. Science & Engineering Fair

Quinnipiac University

March 15 - 19, 2016

ISEF Winners

CSEF Physical Sciences

Christopher Popham Greenwich High School Greenwich
Increased Charge Rate and Capacity for Olivine Lithium-Ion Batteries Using Efficient, Upcycled Nanoscale Electrodes

Martha Haddad Immaculate High School Danbury
Novel Glycerol-Free Biodiesel Production Using Enzyme Catalysis

CSEF Life Sciences

Aakshi Agarwal Hamden High School Hamden
CRISPR Based Gene Editing Confers Resistance to Human Immunodeficiency Virus (HIV)

Sanju Sathish Greenwich High School Greenwich
The Optimization of Nanoparticle-based Drug Delivery of Melittin in A Selective, Biocompatible Method to Target HIV Structural Antigen p24

Alexion Biotechnology

William Yin Greenwich High School Greenwich
Development of a Portable, Tattoo-Based Biosensor for the Non-Invasive, Low-Cost Diagnosis of Atherosclerosis via Iontophoresis of Macrophage-Targeting Silver Nanoparticles

Urban School Challenge

Maya Geradi Wilbur Cross High School New Haven
Exploring conditions for Struvite precipitation and crystal growth.

CSEF Board of Directors

Sophie Edelstein Wilbur Cross High School New Haven
Polyetherketoneketone (PEKK) Surgical Implant: An alternative cure for Internal Coxa Saltans in Female Adolescents