



Conn. Science & Engineering Fair

Quinnipiac University

March 14 - 18, 2017

ISEF Winners

CSEF Physical Sciences

Ethan Novek Greenwich High School Greenwich
Novel Low-Temperature Carbon Capture Using Aqueous Ammonia and Organic Solvents

Eunji Lee Sacred Heart Academy Hamden
Computer-Aided Bleeding Detection in Wireless Capsule Endoscopy Images Using Deep Convolutional Neural Networks

CSEF Life Sciences

Luca Barcelo Greenwich High School Greenwich
Crowd-Sourced Detection and Mapping of Nitrate Water Pollutants via a Mobile Web-Based Image Analysis System

Rahul Subramaniam Greenwich High School Greenwich
Rapid Colorimetric Field Monitoring System for Zika Virus in Mosquito Populations via DNAzyme-Functionalized Gold Nanoparticles

Alexion Biotechnology

Michelle Xiong Greenwich High School Greenwich
Development of a CNT/ZnO/TiO₂ membrane for visible-light induced photocatalytic filtration of water-borne organic and bacterial pollutants

Urban School Challenge

Maya Geradi Wilbur Cross High School New Haven
A study of circadian genetics and abiotic stress towards sustainable agriculture

UTAS Engineering

Sophie Edelstein Wilbur Cross High School New Haven
Formulation of Gelatin-Hyaluronic Acid Blend Cross-Linked Gels for Potential Tissue Applications: Cost-Effective, Patient Specific, Alternative Treatment of Labral Tears of the Hip