



Conn. Science & Engineering Fair
Quinnipiac University
March 11 - 16, 2019

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ISEF Winners

CSEF Physical Sciences

Cynthia Chen Greenwich High School Greenwich
A Green Nanotechnological Approach for Energy Efficiency and Conservation: Tungsten-doped Vanadium Dioxide Thermo-chromic Smart Windows

CSEF Physical Sciences Team

Sirina Prasad Staples High School Westport
Anisa Prasad
Optimization of High-Efficiency Organic-Inorganic Lead Halide Perovskite Solar Cells via a Novel Polycaprolactone Additive Pathway

CSEF Life Sciences

Annika Morgan Joel Barlow High School Redding
The effect of Deuterium oxide (D2O) on the viability of Coliphage bacteriophages under Low temperatures as a model for stability in live attenuated viral vaccines

CSEF Life Sciences

Saira Munshani Hopkins School New Haven
Finding a therapy for Wolfram Syndrome: Exploring a calcium signaling pathway as a target for a disease without a cure.

Alexion Biotechnology

Melissa Woo Greenwich High School Greenwich
Rapid, Smartphone-Based Diagnosis of Skin Melanoma through Differences in Tumor Cell Thermal Regulation Combined with Diffuse Spectroscopic Analysis



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ISEF Winners

Urban School Challenge

Cristian Rodriguez Academy of Aerospace and Engineering Windsor
Srikar Godilla
Development of In-situ Fabrication Methods of Martian Construction Material

Engineering

Raina Jain Greenwich High School Greenwich
Control of Varroa Destructor Infestation with a Dual-function, Thymol-Emitting Honey Bee Hive

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