# Conn. Science & Engineering Fair
## Quinnipiac University
## March 2 - 14, 2026

## *ISEF Winners*

### CSEF Physical Sciences

Marley Wies — Greenwich High School — Greenwich

*Process Optimization of Green Chemistry Pathway for Fabric-to-Fabric Recycling of Cotton*

### CSEF Physical Sciences

Aarav Chevva — Academy of Aerospace & Engineering — Windsor

*FAB-HEX : Fractal Shaped Additive and Bio-inspired Heat Exchanger*

### CSEF Life Sciences

Lula Wang — Greenwich High School — Greenwich

*Design of a Novel, Dual-Functioning, T-Cell-Engaging and Cytarabine-Based Nanotherapeutic for Acute Myeloid Leukemia Treatment*

### CSEF Life Sciences

Mingze Weng — Amity Regional High School — Woodbridge

*In Vitro Assessment of Lactase Production Activity, Efficiency, and Survivability of L. acidophilus in Non-Dairy Carriers*

### Alexion Biotechnology

Rhea Doshi — Kingswood Oxford — West Hartford

*A Multi-Modal AI/ML Platform for Neurodegenerative Risk Prediction: Integrating Epigenetic Signatures through cfDNA Methylation and Functional Mobility Data*

### Urban School Challenge

Ethan Joseph — Engineering and Science University Magnet — New Haven

*Real-Time Adaptive Support for Dementia: An Integrated Multimodal Device for Spatial and Auditory Guidance*

### Engineering

Karthik Srikumar — South Windsor High School — South Windsor

*DOTBot: Diffusion-Aligned Chain-of-Thought Bipedal Humanoid Robot for Interpretable Real-Time Autonomous Navigation, Hazard Mitigation, and Recovery in High-Risk Built Environments*