



# Connecticut Science & Engineering Fair

## Quinnipiac University

March 3 - 15, 2025

These judging results are unaudited by the fair's Database Committee. The CSEF reserves the right to correct the listings.

### Final Judging Results

#### Award Legend

Plaque Winners = 1, 2, ...  
Medalists = m  
Winners = w

## H. Joseph Gerber Medal of Excellence

[SchTown] [School] [Teacher]  
[Proj#] [FCat] [Project Title]

### High School

**New Haven** Engineering and Science University Magnet School Paula Matei-Grysiak

3003 LS Implementation and Validation of a Novel Machine-Learning-Based Mobile Gyrocardiography System for Arrhythmia Detection

Award m Student(s) Ethan Joseph Grade 10 Town West Haven

- \* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- Finalist - Life Science Senior High - CSF Medallion
- \* Pfizer Computational Biology and Bioinformatics Awards --- Senior High Finalist - Medallion
- \* Urban School Challenge Awards with Connecticut Academy of Science & Engineering and OTIS --- 1st Place High School - \$300 and Plaque, Medallion
- \* Infosys Foundation Computer Science Awards --- Senior High Finalist - Medallion
- \* H. Joseph Gerber Award of Excellence presented by the Connecticut Academy of Science and Engineering --- \$500 to 1st HS Urban School Challenge Science Department for Equipment/Supplies
- \* The Community Foundation for Greater New Haven's Milton Fisher Awards for Innovation and Creativity --- For Excellence in Creativity and Innovation by a High School student, \$100 cash

**South Windsor** South Windsor High School Sivagami Chockalingam

3067 LS Targeting Telomerase Activity in Malignant Cancer Cells: RNA Interference and Enzymatic Inhibition to Induce Growth Arrest, Senescence, and Block Metastatic Dissemination

Award 1 Student(s) Srinidhi Karthik Grade 11 Town South Windsor

- \* Connecticut Science Fair Association Life Science Awards with The Jackson Laboratory --- 1st Place- Life Sciences Senior High- \$300 & Plaque
- \* H. Joseph Gerber Award of Excellence presented by the Connecticut Academy of Science and Engineering --- Life Sciences Senior 1st HS- \$1,000, Solid Silver Medal of Excellence, Invite to CASE Annual Mtg
- \* University of New Haven Scholarship Awards --- University of New Haven 4 year scholarship - \$104,000 (\$26,000 per year) for exemplary 11th grade project

**Greenwich** Greenwich Country Day School Nathan Haag

6099 PS Optimizing Vertical Take-Off and Landing (VTOL) Aircraft Efficiency Through Propeller Design: Making Air Flight More Accessible, Affordable, and Sustainable

Award 1 Student(s) Cooper Taylor Grade 11 Town Greenwich

- \* Connecticut Science Fair Association Physical Science Awards with CMS Dorothy Minervino --- 1st Place - Physical Sciences Senior High Individual - \$300 & Plaque
- \* PepsiCo Engineering Awards --- 3rd Place- Engineering Senior High- \$100 & plaque
- \* H. Joseph Gerber Award of Excellence presented by the Connecticut Academy of Science and Engineering --- Physical Sciences 1st HS \$1,000, Solid Silver Medal of Excellence, Invite to CASE Annual Mtg
- \* NASA EARTH System Science Award --- Certificate and \$25 gift card given by CSEF
- \* American Institute of Aeronautics & Astronautics - Connecticut Section --- \$200 award, certificate
- \* MTU Aero Engines North America, Inc. --- MTU Aero Engines Mechanical Engineering Applied Principles Award - \$250
- \* Zepke Awards --- \$150 - For the Best Use of Electronic Circuitry- Senior High