



Connecticut Science & Engineering Fair

Quinnipiac University

March 7 - 19, 2022

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

Computational Biology and Bioinformatics Awards

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

Middle School

5514 P8 Model System Design For Technology-Assisted Insulin Regulation

Award 1 Student(s) Sydney Borst Grade 8 Town Danbury

- * Lockheed Martin Physical Sciences Awards --- 3rd Place - Physical Sciences 8th Grade Ind, - \$100 & Plaque
- * Petit Family Foundation Women in Science & Engineering Awards --- Middle School Finalist - Medallion
- * Pfizer Computational Biology and Bioinformatics Awards --- 1st Place Middle School - \$300, Plaque
- * CASE • The Jackson Laboratory Urban School Challenge Awards --- 2nd Place Middle School - \$200 and Plaque, Medallion
- * Collins Aerospace Engineering Awards --- Finalist - Engineering Middle School - CSF Medallion
- * Alexion Biotechnology Awards --- 2nd Place- Biotechnology 8th grade - \$200 & Plaque
- * IEEE, Connecticut Section --- \$100 Honorable Mention
- * GENIUS Olympiad --- GENIUS Olympiad Competition for Highest Placing USC 8th grade Project with \$700 stipend
- * Broadcom MASTERS --- Invitation to compete in Broadcom MASTERS

2512 L8 Rapid Screening for Hypertrophic Cardiomyopathy in Athletes

Award 2 Student(s) Bodhan Chiravuri Grade 8 Town Bridgeport

- * Pfizer Computational Biology and Bioinformatics Awards --- 2nd Place Middle School - \$200, Plaque
- * Alexion Biotechnology Awards --- 4th Place- Biotechnology 8th grade - Plaque

High School

3032 LS A Convolutional Neural Network for Real-Time Tick Classification and Disease Risk Analysis

Award 1 Student(s) Antonia Kolb Grade 10 Town New Canaan

- * Pfizer Computational Biology and Bioinformatics Awards --- 1st Place High School - \$400, Plaque
- * Connecticut Invention Convention "Next Step Inventors" --- Next Step Inventor Trophy & Invitation to compete at the 2020 Invention Convention, May 2

3020 LS Machine Learning Analysis of EEG Signals to Predict Working Memory Performance in Healthy and Schizophrenic Adults

Award 2 Student(s) Niteesh Kalangi Grade 11 Town Glastonbury

- * PepsiCo Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion
- * Pfizer Computational Biology and Bioinformatics Awards --- 2nd Place High School - \$300, Plaque



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3078 LS Using Single-Cell Analysis to Explore Prognostic Genes in Prostate Cancer
 Award **3** Student(s) Junyue Ma Grade 11 Town Farmington

- * PepsiCo Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion
- * Pfizer Computational Biology and Bioinformatics Awards --- 3rd Place High School - \$200, Plaque
- * Regeneron Biomedical Science Award --- Certificate & \$500.00 cash

3068 LS Computational Psychiatry: Application of Machine Learning Methods to Analyze Marijuana Addictions and Craving
 Award **m** Student(s) Sean Lee Grade 12 Town Los Altos

- * PepsiCo Life Sciences Awards --- Finalist - Life Science Senior High - CSF Medallion
- * Pfizer Computational Biology and Bioinformatics Awards --- Senior High Finalist - Medallion

6066 PS Using an Artificial Neural Network Modelled After the Human Neocortex to Gain a Better Understanding of How the Neocortex Creates New Ideas
 Award **m** Student(s) Annika Yun Grade 10 Town Orange

- * Pfizer Computational Biology and Bioinformatics Awards --- Senior High Finalist - Medallion
- * Computer Science Awards --- Senior High Finalist - Medallion
- * Alexion Biotechnology Awards --- Finalist - Biotechnology Senior High - CSF Medallion