

2025 Connecticut Junior Science and Humanities Symposium Results



(Left to right, not in finishing order): Jingyan (Sabrina) Liu, Lula Wang, William Boberski, Rithvik Suren, Cooper Taylor, and Tyler Malkin were the top finishers at the Connecticut Junior Science and Humanities Symposium, held February 22, 2025, at UConn Health in Farmington.

Oral Competitors

1st Place: Lula Wang, sophomore, Greenwich High School

Lipid-Based Codelivery of Doxorubicin and siRNA PD-L1, as a Multifunction Chemoimmunotherapy, Selective to PDAC via Its MUC1 Overexpression

2nd Place: Cooper Taylor, junior, Greenwich Country Day School

Next-Generation VTOL Drones: A Breakthrough in Tilt Mechanism and Modular Design for Optimization and Accessibility

3rd Place: Rithvik Suren, freshman, CREC Academy of Aerospace and Engineering

Developing Autonomous and Adaptive Systems for Space-Exploration Robotics with Neuromorphic Frameworks and Artificial Intelligence

4th Place: Jingyan (Sabrina) Liu, freshman, Choate Rosemary Hall

A Novel Mantis-Shrimp–Based Smart Glove for Stroke Rehabilitation

5th Place: William Boberski, senior, Staples High School

The Effect of Diet Composition on Lifespan and Colorectal Cancer Progression in the Drosophila Midgut

Special Merit: Vito Scutari, King School; Ethan Joseph, Engineering and Science University Magnet School; Marley Wies, Greenwich High School; Shriya Natarajan, Wilton High School; Harshil Yerrabelli, Conard High School

Poster Competitors

1st Place: Tyler Malkin, freshman, Greenwich High School

Development of a Simple Salivary Rapid Diagnostic for the Detection of Iodine Deficiencies

2nd Place: Bruno Reinhoefer Ribeiro, junior, King School

An Effective Water Treatment Method: Adsorption of Nickel(II) Ions in Water Using DNA-Wrapped Carbon Nanotubes

3rd Place: Lucia Vivanco, junior, King School

Mitigating Heat Stress in Saccharina latissima and Gracilaria mammillaris: The Role of Nutrient Additives in Enhancing Resilience to Climate Change

UConn Academic Excellence Award

Cooper Taylor, junior, Greenwich Country Day School

Next-Generation VTOL Drones: A Breakthrough in Tilt Mechanism and Modular Design for Optimization and Accessibility

Backyard Scientist Award

Cooper Taylor, junior, Greenwich Country Day School

Next-Generation VTOL Drones: A Breakthrough in Tilt Mechanism and Modular Design for Optimization and Accessibility

People's Choice Award (STEM Poster Exhibition)

Emily Morton, senior, Thomaston High School

Fucus vesiculosus Extract as a Biostimulant for Radish Plant Growth

2023-24 National Junior Science and Humanities Symposium Teacher Award

Wendy Turek, Manchester High School

One of 10 awardees, selected from the pool of regional nominations following the conclusion of last year's program of symposia