



Regeneron ISEF 2025 Grand Award Winners

First \$6,000, Second \$2,400, Third \$1,200, Fourth \$600

	Award	Name	School	Title
Behavioral & Social Sciences	Fourth	Lee, Chloe	Plainview-Old Bethpage JFK High School	<i>Exploring the Effects of Cannabidiol-Medium Chain Triglyceride Oil on Locomotion and Tap Withdrawal Response Using Caenorhabditis elegans as a Model for Alzheimer's Disease</i>
Cellular and Molecular Biology	First	Horowitz, Lily	Jericho High School	<i>The Effect of Histone Modifications Induced by Ack sRNAs on Ac Transposable Elements</i>
	Fourth	Ahmed, Aafia	Elmont Memorial	<i>The antioxidant role of JAK2/STAT3 signaling pathway against methylmercury-induced toxicity in a mouse astrocyte neuronal C8-D1A cell line</i>
	Fourth	Bassi, Daanish	Smithtown High School East	<i>Assessing Novel RIPK2-MKK7 Interaction Inhibitors in Prostate Cancer Cell Lines</i>
Chemistry	Second	Gonzalez, Isabel	Manhasset High School	<i>Ag-TiO₂@HNT Nanotubes for Highly Efficient and Eco-Friendly Organic Pollutant Degradation</i>
	Second	Keyoung, Lucienne	Manhasset High School	<i>Ag-TiO₂@HNT Nanotubes for Highly Efficient and Eco-Friendly Organic Pollutant Degradation</i>
Mathematics	Fourth	Chand, Arav	Half Hollow Hills West	<i>Matrix Product Formulas for Generating Functions for p-adic Valuations of Generalized Binomial Coefficients</i>
Microbiology	Third	Sawhney, Mehek	Commack High School	<i>Characterizing the Secretion Signal in the C-Terminus of the Francisella tularensis protein FTL_1123: Insights for Type 1 Secretion and Therapeutics</i>

Physics and Astronomy	Award	Name	School	Title
	Third	Han, Gary	Syosset High School	<i>Discovery of the First Double Exocomet Using an Automated Deep Learning Convolutional Neural Network</i>
Plant Sciences	Award	Name	School	Title
	Second	Fields, Dora	Northport High School	<i>Effects of Nitrogen-Doped Carbon Dots on Germination and Growth in Solanum lycopersicum (tomatoes) Using Keratin-Based Hydroponic Substrates</i>
Robotics and Intelligent Machines	Award	Name	School	Title
	Fourth	Sidhu, Partap	Bethpage High School	<i>Low-Cost, High-Performance Humanoid Upper Body for Automating Hazardous Tasks with Quasi-Direct Drive Actuators and Machine Learning</i>