

Junior Varsity 2013 Award Winners

	Award	Name	School	Title
Behavioral and Social Sciences	First	Cory Muraglio	West Islip High School	<i>D-Cycloserine and L-Cycloserine's effect on exposure learning and memory in Elysia crispata</i>
	Second	Anuhita Basavaraju	Jericho High School	<i>3KFC: Truly odor perception reliant behavioral model</i>
	Third	Eleana Peralta	Elmont Memorial High School	<i>How do caffeine stimulants affect the dopamine levels in Caenorhabditis elegans mutated with the periodic and chronic forms of schizophrenia?</i>
	Honorable Mention	Kimberly DeRosa	West Islip High School	<i>Improving Hospital Hand Sanitation Methods to Decrease the Spread of Hospital Acquired Infections (HAI)</i>
	Honorable Mention	Jessica Graber	William A. Shine Great Neck South High School	<i>The Bullying Cycle: Does it Decrease with Age or Continue to Revolve?</i>
	First	Anum Mitha	The Wheatley School	<i>The Impact of Immune Responses to T-cell Dependent or Independent Antigens</i>
	First	Rachel Radigan	West Islip High School	<i>Analysis of NMDA Receptor Antagonists and Acetylcholinesterase Inhibitor on Glutamate Stimulation</i>
	First	Jinyu Wu, Austen Te	Manhasset	<i>The Effects of Ibuprofen, Acetaminophen, and Acetylsalicylic Acid on Dopaminergic</i>

Biology				<i>Neurodegeneration in C. elegans</i>
	Second	Daniela Czemerinski	The Wheatley School	<i>Development of an assay for the detection of fibrinogen (Fb) and carcinogenic embryonic antigen (CEA) to expand disease and cancer diagnosis</i>
	Second	Emma Dong, Brendan Watson	Manhasset	<i>Meiosis in Oocytes on Age Dependent Aneuploidy in Drosophila melanogaster Females</i>
	Second	Kristen Yang	Jericho High School	<i>Identifying genes encoding for mammalian secretomes by using a yeast secretion trap (YST)</i>
	Third	Grace Lee, Caitlin McCormick	Manhasset	<i>The Effects of Nicotine Withdrawal on Locomotion and Population Count in Caenorhabditis elegans</i>
	Third	Scott Massa, Ryan McCaffrey	Commack High School	<i>Touch Screen Constituents and Folic Acid: Their Effects on Autism Using Caenorhabditis elegans as a Model Organism</i>
	Third	Anish Ochani, Steven Yen	Syosset High School	<i>Hypoxic and Normoxic DIO2 Expression in Murine Macrophages, CCL210-Fibroblasts, and Smooth Muscle Cells via LTA-PGN Septic Stimulation</i>
	Honorable Mention	Katrina Bamba, Nathan Sigelaub	East Meadow High School	<i>Is the Golden Ratio Prevalent in Cancerous Regions of the Lung?</i>
	Honorable Mention	Ryan Chan, Chimdi Obinero	Commack High School	<i>A Study of the Effect of Curcumin on the Neurophysiological Capabilities of Drosophila melanogaster models of Alzheimer's disease</i>
				<i>Superresolution Imaging</i>

	Honorable Mention	Estee Hong	Jericho High School	<i>Reveals Differential Localization of Transition Zone Proteins in Primary Cilia</i>
	Honorable Mention	Sarah Rokhlin	Oceanside High School	<i>The effect of far-red light on chlorodopamine aggregation</i>
	Honorable Mention	Kuan Yu	The Wheatley School	<i>Pleiotropic effects of <i>Hericium erinaceus</i> Extraction on Human Neuroblastoma Cells</i>
Chemistry	First	Pavithran Ravindran	W. T. Clarke High School	<i>What is the effect of car exhaust on the toxicity of soil?</i>
Environmental Science	First	Jessica Kim, Andrew Moshova	Manhasset	<i>Comparison of Various Solar Tracking Models</i>
	Second	Matthew Taggart, Jedidiah Dale, Maxwell Pitagno	Babylon Jr-Sr HS	<i>Title: A study of <i>Pseudomonas pudita</i> and its energy production in an inductor with and without the NikR nickel receptor.</i>
	Second	Varsha Venkatesh	Jericho High School	<i>Investigating the use of plant xylem as water filters</i>
	Third	Hannah Sofield, Fiona Ambrowini	Long Beach High School	<i>Heavy Metal Pollution: The Effect of Magnesium-, Ferrous-, Lead-, and Copper-Chloride on the Mortality of <i>Daphnia magna</i>.</i>
	Third	Julia Zeh, Priyanka Ninan	Paul D Schreiber High School	<i>The Effects of Sunscreen and Titanium Dioxide on the Righting Behavior of Sea Stars</i>
	Honorable Mention	Hassan Alam, Dharsan Chandrakumar	East Meadow High School	<i>Is it possible for humans to inadvertently spread <i>Artemisia vulgaris</i> ?</i>
	Honorable Mention	Nikita Maddineni	Syosset High School	<i>Real-Time Determination of Nitrogen Oxide Production in U-937 Cells when Treated with</i>

				<i>Chromium (VI) Oxide</i>
	Honorable Mention	Leslie Toohey	Oceanside High School	<i>The Effect of Chlorophyll and Chromophoric Dissolved Organic Matter (CDOM) on Light Attenuation in Jamaica Bay</i>
Physics				
Physics	First	Aaron Graham	Plainview Old Bethpage JFK HS	<i>The Use of Motion Quantities of Subjects to Perform Privacy-Protective Surveillance</i>
	Second	Lillian Huang, James Haber	Manhasset	<i>Spectral Analysis of Open Star Clusters of the Orion Nebula to Support or Refute Current Star Formation Theory</i>