



LISEF's Junior Varsity Science Research Fair's 2011 Award Winners

Behavioral/Social Sciences	Award	Name	School	Title	
		First	Kenan Mutlu	Kings Park High School	<i>Emotional Responses to 3D Animated Faces Comprised of Distorted Facial Ratios</i>
		Second	David Sheynberg	Oceanside High School	<i>The Impact of Caloric Information on Food Selection and BMI</i>
		Third	Alixandra Domney	William A. Shine Great Neck South High School	<i>Effects of Interaction Between "In" and "Out" Groups on School Climate Perception</i>
			Noah Reisman	Paul D. Schreiber High School	<i>The Microeconomic Impact of Conspicuous Consumption Behavior</i>
		Honorable Mention	Jack Sempliner	Paul D. Schreiber High School	<i>Handgrip Strength and Sexually Dimorphic Social Behavior</i>
Biology	Award	Name	School	Title	
		First	Christopher Dipreta and Michael Fahey	Manhasset High School	<i>The Effects of Naltrexone on Extracellular Levels of Dopamine in C. elegans</i>
			George Mo and William Kim	Manhasset High School	<i>Heat Shock and Radicol to Inhibit Alpha-Synuclein Toxicity Associated with Parkinson's Disease in C. Elegans</i>
			Paris Thatos and Jake Shelton	Manhasset High School	<i>Docosahexaenoic Acid as a Potential Treatment for Alzheimer</i>
		Second	Rajkumar Pammal	Commack High School	<i>The Effects of Various Herbs on Mutant Drosophila Melanogaster: Possible Applications to Type I Diabetes Treatment</i>
			Michelle Gil	Paul D. Schreiber High School	<i>Cell Differentiation in Petrolisthes galathinus</i>
			William Zhou	Paul D. Schreiber High School	<i>Protective Effect of Herbal Medicine on Asthma Via Opiate and Nitric Oxide Signaling Mechanism</i>
		Third	Daniel Wang and Sonya Mantell	W. T. Clarke High School	<i>What Is the Effect of Simulated Microgravity on the Functions on Macrophages?</i>
			Madison Bondy and	South Side High School	<i>An Examination of the Effectiveness of the</i>

		Hannah Byrne		<i>Antimicrobial Properties of Magnifera Indica Kernels</i>
		Anson Wang	East Meadow High School	<i>The Effects of Magnesium, Calcium, Glutamate on the Diel-vertical Migration of Daphnia Magna</i>
	Honorable Mention	Ali Barlas	Sachem High School East	<i>The Effects of Kava and Valerian Extracts on Caffeine Accelerated Heart-Rate in Daphnia</i>
		Rebecca Wang	Jericho High School	<i>Analysis of Fractionated Decoctions of Radix glycyrrhizae (Gan Cao) for the Inhibition of Eotaxin/Eosinophilic Secretion from Human Fetal Lung Fibroblast (HFL-1)</i>
		Susan Mangaluz	Sayville High School	<i>Analysis of Mitochondrial DNA Using Cytochrome Oxidase I Gene to Assess the Genetic Variability in the Atlantic Horseshoe Crab (Limulus polyphemus) Population from Short Beach, Long Island, New York.</i>
		Tom Vogel and Nilam Patel	East Meadow High School	<i>The Effect of Echinacea on the Growth of Various Gram-Positive and Gram-Negative Bacteria</i>
		Priscilla Varghese and Alexander Meacham	Malverne High School	<i>The Analysis of Alcohol Dehydrogenase Activity in Drosophila melanogaster under Fresh vs. Frozen Conditions</i>
		Bryon Koff	W. T. Clarke High School	<i>The effects of Cytoplasmic p27</i>
		Nicholas Suss	South Side High School	<i>An Investigation of The Invasive Plant Species, Ranunculus Ficaria, on Long Island</i>
Chemistry	Award	Name	School	Title
	First	Leigh Solomon, Andrew Koe and Shaheer Alam	Plainview Old Bethpage JFK High School	<i>Degradation of Poly(&#949;-caprolactone) by Embedding Porcine Pancreatic Lipase</i>
Earth Sciences	Award	Name	School	Title
	First	Charles Eder	Commack High School	<i>The Effects of Magnetic Disturbance in the Magnetosphere on the Aurora Borealis Oval Size</i>

Environmental Sciences	Award	Name	School	Title
	First	Matthew Schwartz	W. T. Clarke High School	<i>The Effect of Urea on Brown Tide Algae Growth</i>
	Second	Ebrahim Afshinnekoo and Andrew You	Plainview Old Bethpage JFK High School	<i>Blending Eco-Friendly Polypentadecalactone with Polylactic Acid to Synthesize a Novel Biodegradable Polymer</i>
		Nicholas Gurzynski	Locust Valley High School	<i>Bivalve Zapping-The Use Of Electric Stimulus through Solar Power To Increase the Growth Rate of the Eastern Oyster-Crassostrea virginica</i>
Third	Jean Cheng and Victoria Wei	Manhasset High School	<i>The Effect of Soybean Allelopathy on Algae Bloom</i>	
Mathematics	Award	Name	School	Title
	First	Hannah Blumberg	Paul D. Schreiber High School	<i>A New Proof for the Law of Quadratic Reciprocity</i>
Physics	Award	Name	School	Title
	First	Manav Kumar	Jericho High School	<i>Physics-Based Modeling of Live and Robotic Fish Schools</i>
	Second	Hunter Dong and William Chan	Manhasset High School	<i>A Search for Potentially Life-Supporting Planets in Other Solar Systems</i>