



LISEF's Junior Varsity Science Research Fair's 2012 Award Winners

Behavioral/Social Sciences	Award	Name	School	Title
	First	Justin Cheung	Commack High School	<i>The Effects of Perfect and Relative Pitch on Pronunciation Accuracy of a Tonal Language</i>
	Second	Caitlin Dolan	West Islip High School	<i>Household Factors Affecting Asthma Development and Frequency of Attacks</i>
	Third	Alan Alex	W. T. Clarke High School	<i>The Comparison of Online Study versus Traditional Study on Student Achievement</i>
	Honorable Mention	Alyssa Singer	West Islip High School	<i>Determining the Common Basis Eating Disorder Specialists Use to Diagnose Patients with Anorexia Nervosa</i>
Biology	Award	Name	School	Title
	First	Daniella Azoulay	Commack High School	<i>A Computational Approach to Identifying Evolutionary Relationships of the Salamander Axolotl (<i>Ambystoma mexicanum</i>)</i>
		Olivia Novick	Jericho High School	<i>Oxidative Stress in RAW 264.7 Cells Treated with Fatty Acids</i>
		James Shamul	Plainview Old Bethpage JFK High School	<i>Role of miRNA in IQGAP2 Silencing during Hepatocellular Carcinoma Development</i>
	Second	Jonathan Irom	Oceanside High School	<i>Regulation of the Actin Cytoskeleton in <i>Dictyostelium discoideum</i></i>
		Minah Kim and Sohini Upadhyay	Paul D Schreiber High School	<i>Initial and Post Growth Inhibition of <i>Staphylococcus epidermidis</i> Biofilms by a Combination of Silver Nanoparticles and Sodium Salicylate</i>
		Priya	Manhasset	<i>Exploring the Roles of</i>

		Alagesan and Irene Bae	High School	<i>CeTOR and cep-1 in Calorie-Restriction Induced Longevity in C. elegans</i>
	Third	Ally Hart and Patrick Fahey	Manhasset High School	<i>The Effects of Noise Pollution on Ghost Shrimp (Palaemonetes kadakensis)</i>
		Benjamin Khakshoor and Joshua Cohen	North Shore Hebrew Academy High School	<i>Prevention of Tendonitis</i>
		William Hannon and Cheng-Chieh Hsu	Huntington High School	<i>Inducible Gene Expression in C. elegans through Site-Specific Recombinases</i>
	Honorable Mention	Christina Cabana	Commack High School	<i>The Effects of Wolbachia Gut Bacteria on the Learning Capabilities of Fruit Flies (Drosophila melanogaster)</i>
		Greta Huang and Tj Passaro	Commack High School	<i>A Study of Novel Inhibitor PF-271,228 and its Effects on Platelet Morphology</i>
		Jasper Du	Jericho High School	<i>Investigating Endoplasmic reticulum Stressors For Pathways In Apoptosis</i>
		Rabihah Huda	East Meadow High School	<i>Reality vs. Perception in Contact Lens Usage and Contamination</i>
		Mustafa Ansari, Kimia Ziadkhanpour and Nicolette Almer	Plainview Old Bethpage JFK High School	<i>The Effect of Antioxidants and Oxidative Stress on the Daf-2 Pathway in Caenorhabditis elegans</i>
		Nathan Siegelaub and Katrina Bamba	East Meadow High School	<i>Does Daphnia Magna Inhibit Saprolegnia Growth?</i>
Chemistry	Award	Name	School	Title
	First	Kevin White	North Babylon High School	<i>The Effect of the Plasmon Resonance of Au Nanoparticles on the Photooxidation Activity of TiO2</i>
Earth Sciences	Award	Name	School	Title
	First	Brett Sackstein	Kings Park High School	<i>The Correlation Between Coronal Mass Ejections and Global Positioning System Accuracy</i>

Environmental Sciences	Award	Name	School	Title	
	First	Brenna Riordan	Oceanside High School	<i>Removal of Antibiotics using pdadmac- Modified zeolites</i>	
	Second	Joshua Solomowitz and Yonatan David	Huntington High School	<i>The Effect of hCG, Progesterone, and Estrogen on the Differentiation of Terminal End Buds in Sprague Dawley Mammary Glands</i>	
		Reva Butensky, Elana Laster and Ravid Granov	Plainview Old Bethpage JFK High School	<i>Electricity Harnessed from Anaerobic Bacteria Using a Microbial Fuel Cell</i>	
	Third	Alexandra Paul and Emma Oberstein	North Shore Hebrew Academy High School	<i>Artificial Turf Exposed to Environmental Pressures, and the Subsequential Release of Polycyclic Aromatic Hydrocarbons, Volatile Organic Compounds, and Heavy Metals</i>	
		Gwendolyn Ruppert	Kings Park High School	<i>The Effect of Sonolysis on the Purification of Water</i>	
	Honorable Mention	Hassan Alam, Jeffrey Juarez and Dharsan Chandrakumar	East Meadow High School	<i>The Effect of Various Water Proofing Methods on Basement Flooding</i>	
		Holly Hubsher and Conor Boyle	Paul D Schreiber High School	<i>The Effects of ph, Disinfection of E. coli, and the Survivability of Brine Shrimp from Different Amounts of Ozone</i>	
		Sunny Zheng and Kevin Koo	Plainview Old Bethpage JFK High School	<i>Novel Bio-lubricant — Modification of Corresponding di-esters Based on Oleic diacid</i>	
		Alison Warrack and Ryan Helkowski	Syosset High School	<i>The Use of B.subtilis, B.licenhformis jf-2, and P.flourescens to Produce Biosurfactants That Displace Oil</i>	
	Mathematics	Award	Name	School	Title
		First	Daniel Chui	Syosset High School	<i>Continued Fractions</i>
Physics	Award	Name	School	Title	
	First	Anthony	Commack High	<i>Developing a Computer</i>	

		Bisulco	School	<i>Program to Detect Super SID Solar Flare Data Autonomously</i>
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