



LI Science & Engineering Fair, Inc.

Promoting Excellence in Scientific Inquiry and Discovery in LI Schools

Junior Varsity 2014 Award Winners

	Award	Name	School	Title
Behavioral and Social Sciences	First	Niranjan Senthilkumar, Vedaant Ashok Kukadia	Manhasset High School	<i>The Utility of Photo-identification Softwares as an Implementation in a Capture-Recapture Methodology to assess Site Fidelity of Pinnipeds at Cupsogue Beach, NY</i>
	Honorable Mention	Zachary Robert Chorost, Samuel Mohebban	The Wheatley School	<i>Variables Affecting the Occurance of Post Operative Delirium in Elderly Patients Undergoing Surgery</i>
	First	Cameron Louis Ghazvini	Jericho High School	<i>Absence of TSP2 upregulates collagen VIII after induced vascular injury in arterial carotids</i>
	First	Devina Alisha Persaud	Oceanside High School	<i>Inhibition of Cholera Toxin B Uptake in Cells Overexpressing the Nonreceptor Tyrosine Kinase Ack1</i>
	First	Kevin Sadhu Sadhu, Jason Christopher Fiacco	Manhasset High School	<i>The Use of EGCG, A-Tocopherol, And A-Lipoic Acid towards a Novel Treatment for Abeta Toxicity in a Transgenic Drosophila Alzheimer's Model</i>
	Second	Annet Susan Kuruvilla, Nicole Joy Newberger	East Meadow High School	<i>The Effect of Over-the-Counter (OTC) Antidepressants on Neurogenesis in Drosophila melanogaster</i>
				Jericho

Biology	Second	Ien Li	High School	<i>Brain: Understanding Cognition in Alzheimer's Disease</i>
	Second	Shamik Paresh Shah	Jericho High School	<i>Downregulation of the Vitamin D Receptor via High Concentration of AngII and Upregulation of SNAI1</i>
	Third	Alexandra Louise Boubour	The Wheatley School	<i>Validating an abnormal brain metabolic network in Alzheimer's disease</i>
	Third	Victoria Marie Ferlauto, Vignesh Gunasekaran	Commack High School	<i>The Response of Brown Planaria (Dugesia tigrina) to Light During the Regeneration Process</i>
	Third	Derek Xu	Jericho High School	<i>Inhibition of Tumor Suppressor FBW7 in As³⁺ Induced Carcinogenesis</i>
	Honorable Mention	Lynn Hur	Syosset High School	<i>Developing a Confocal Microendoscopy-Based Classification System of Histologic Inflammation in Patients with Ulcerative Colitis</i>
	Honorable Mention	Alan Jonathan Khaykin	Oceanside High School	<i>BIN3 Mutagenesis</i>
	Honorable Mention	Lauren Isabella Lynch, Sydney Taylor Blanche	Manhasset High School	<i>The Effect of Various Diabetic Drugs on C. Elegans Models</i>
	Honorable Mention	Priyanka Ninan	Paul D Schreiber High School	<i>The Effects of Varying Concentrations of Magnesium on the Stability of tRNA</i>
	Honorable Mention	Eric Alan Riesel	Oceanside High School	<i>The Development of Dark Enhanced Cyan Fluorescent Protein</i>
	Honorable Mention	Roshni Sethi	Plainview Old Bethpage JFK High School	<i>Cardioprotective Role of Natural Plant-Derived Compounds</i>
	Honorable	Elizabeth Varghese,	Plainview Old	<i>The Effects of Antibiotics and Stilbenoids on Longevity</i>

	Mention	Anna Vaynrub, Evan Lander	Bethpage JFK High School	<i>Related Gene Expression in Caenorhabditis elegans</i>
	Honorable Mention	Nicolette Maria Vigiano	West Islip High School	<i>Which antibiotic or combination therapy is most effective at killing Branhamella catarrhalis?</i>
Chemistry	First	Typher Yom, Brendan Lawrence Watson	Manhasset High School	<i>Preparation of N-doped Graphene using a Microwave-assisted Plasma Reactor on Graphene Oxide</i>
Earth Science	First	Ryan Kamal Seerattan	W Tresper Clarke High School	<i>Constructing An Internal Solar Setup With A Higher Net Energy Output Than A Conventional Solar Setup</i>
Environmental Science	First	Christine Yoo	Manhasset High School	<i>The Effect of Nitrate on PKLR Gene Expression and Cell Activation of Mytilus edulis</i>
	First	Nanxi Zhou	East Meadow High School	<i>A Styrofoam Decomposing Bacterium</i>
	Second	Sanaa Sohail Khan	East Meadow High School	<i>A Comparision of Various Mosquito Repellent Substances as Applied to Mosquito Netting</i>
	Second	Sabrina Elyse Palacios	Huntington Union Free School District	<i>Toxicity Testing of the Polychlorinated Biphenyl Trichlorodibenzo-p-Dioxin 2,3,7,8 in the lipid tissues and omega-3 oils of Morone Saxatilis</i>
	Third	David M Park	Mineola High School	<i>Do Sodium Channel Blockers, Lidocaine and Carbamazepine Inhibit the Stimulatory Effects of DDT on Regeneration in Lumbriculus variegatus</i>
	Third	Hayley Wolf, Catherine Thomas	Syosset High School	<i>The Effects of Ethinyl Estradiol and Drospirenone on the Rate of Reproduction of the Lumbriculus variegatus</i>
				Mineola

	Honorable Mention	Raymond Agrelo	High School	<i>The Wind For Use In Automobiles</i>
	Honorable Mention	Abbigayle Emily Cuomo, Elizabeth Marie Van Loon	Commack High School	<i>The Effect of Climate on Forest Fire Return Times in the United States</i>
	Honorable Mention	Gary Liang	Bethpage High School	<i>The Effects of Climate on Temperature and Land Cover in Bethpage</i>
	Honorable Mention	JennaLynn Philipps, Shilpa Mary Mathew	Syosset High School	<i>The Combination of Aerogel and Zeolites to Reduce Levels of VOCs</i>
	Honorable Mention	Hector Rubio, Thomas Kouttron	Huntington Union Free School District	<i>The Effects of Traction Additives on Vehicle Control and Traction on Multiple Ground Surfaces</i>
Mathematics	First	Justin Barish	Kings Park High School	<i>Gesture-based Body-tracking for 3D Navigation in Immersive Virtual Environments</i>
Physics	First	Zachary Bryce Marcone	Kings Park High School	<i>Determination of Cross Sections and Production Frequency for Mass 200-1000 GeV Dirac Magnetic Monopoles Produced via Photon Fusion at the Large Hadron Collider (LHC)</i>
	Honorable Mention	Lauren Osojnak, Justin Yoon	East Meadow High School	<i>The Laser Harp: An Adaption for People with Special Needs - 2</i>