

ISEF 2013 Grand Award Winners

Best in Category \$5,000, First \$3,000, Second \$1,500, Third \$1,000, Fourth \$500

	Award	Name	School	Title
Animal Sciences	Second	Trinity Russell	Commack High School	A Study of Transposition Events of the Gypsy Retrotransposon in the Neural Cells of Drosophila melanogaster and Its Relation to Neuronal Decline
	Award	Name	School	Title
Behavior & Social Sciences	Second	Arshia Aalami Harandi	Roslyn High School	My Project Is Fantastic! Gender Differences in Self-Promotion and Their Effects on Perceptions of a College Essay
	Award	Name	School	Title
Biochemistry	Third	Minah Kim	Paul D. Schreiber High School	Inhibition of the Fabl Enoyl-ACP Reductase from Burkholderia pseudomallei
Cellular Biology	Award	Name	School	Title
	Fourth	Aakash Viren Jhaveri	The Wheatley School	Hyperglycemia and HIV: A Correlation— Hyperglycemia Increases HIV Entry in T Cells via ROS Generation
		Aneri Kinariwalla & Evan Samuel Chernack	Sayville High School/South Side High School	A Study of the Role of the ROCK Kinase Pathway in Dental Pulp Stem Cell Differentiation and Mineralization
Chemistry	Award	Name	School	Title
	Fourth	Shilpa lyer & Shweta lyer	Comsewogue High School	Hydrogen Production using Ultra Low-Cost Soybean-Molybdenum Catalysts
Earth & Planetary Sciences	Award	Name	School	Title
	Third	Benjamin Isaac Pleat	Herricks High School	A Novel Approach to Locating Geothermal Systems in Relation to Geodetic Crustal Deformation and Strain Rate Tensors

	Award	Name	School	Title
Energy & Transportation	Fourth	Benjamin Akhavan	Rambam Mesivta High School	Enhancing the Efficiency of a PEM Hydrogen Fuel Cell with Synthesized Metal- Nanoparticle/Graphene Composites Synergy
	Award	Name	School	Title
Environmental Management	Second	Archie Chakming Kong, Randy Tung & Arthur Wang	Manhasset High School	The Effect of Single- Walled Carbon Nanotubes on Regeneration and Activity of Dugesia dorotocephala, Growth of Chlorella vulgaris, and Embryonic Development of Lytechinus variegatus
Environmental Sciences	Award	Name	School	Title
	Fourth	Albert Kim & Byeong Ho Jung	Manhasset Secondary School/ Herricks High School	A Novel Model for Inflammatory Bowel Disease: Using U937 and COLO320DM Cell Lines, to Propose a Pathway by which Environmental Toxin, 4-Nonylphenol, May Promote an Inflammatory Response
	Award	Name	School	Title
Mathematical Sciences	Fourth	Daniel Matan Hanover	John L. Miller Great Neck North High School	Kaprekar's Constant: A Journey to New Bases
	Award	Name	School	Title
Medicine & Health Sciences	Third	Olivia Frances Novick	Jericho High School	LPS/BSA Contamination: Rethinking Fatty Acid Dietary Supplementation's Role in Oxidative Stress Production
	Award	Name	School	Title
Microbiology	Second	Amy Xu	Jericho High School	Evolutionary and Ligand- binding Dynamics of ClfB and IsdA in Staphylococcal Species

	Award	Name	School	Title
Plant Sciences	London International Youth Science Forum - The Philip V. Streich Memorial Award*	Ryan M. Kenny, Samantha Hayley DiSalvo & Amy Jaclyn Vitha	George W. Hewlett High School	The Characterization of the LPS-Induced Hypersensitive Response in Ceratopteris richardii
	Best in Category	Ryan M. Kenny, Samantha Hayley DiSalvo & Amy Jaclyn Vitha	George W. Hewlett High School	The Characterization of the LPS-Induced Hypersensitive Response in Ceratopteris richardii
	First	Ryan M. Kenny, Samantha Hayley DiSalvo & Amy Jaclyn Vitha	George W. Hewlett High School	The Characterization of the LPS-Induced Hypersensitive Response in Ceratopteris richardii

*The London International Youth Science Forum - The Philip V. Streich Memorial Award:

The London International Youth Science Forum is a two-week program held annually for 300 young scientists from more than 50 countries. LIYSF offers a unique opportunity to participate in an international event attracting science students from around the world. Philip V. Streich was an alumnus of the Intel International Science and Engineering Fair in 2007, earning an Intel Foundation Young Scientist Award, and in 2008. He was selected as a finalist, and earned third place at the Intel Science Talent Search 2009, both programs of the Society for Science & the Public.