



# ISEF 2009 Grand Award Winners

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

	Award	Name	School	Title
<b>Seaborg SIYSS Award</b>	All expense paid trip to the Stockholm International Science Seminar during the Nobel Prize Ceremonies	<b>Preya Shah</b>	Ward Melville High School	<i>Combating Cancer: Design and Synthesis of Dual-Warhead Tumor-Targeting Drug Conjugates</i>
	All expense paid trip for the top team to attend the European Contest for Young Scientists	<b>Shaunak Krishan Bakshi &amp; Peter Hans Massy</b>	Manhasset High School	<i>ALPHA-Lipoic Acid: Towards a Novel Neuroprotective Treatment for Alzheimer's Associated Cognitive Dysfunction in a Drosophila Model</i>
<b>Animal Sciences</b>	Award	Name	School	Title
	<b>Fourth</b>	<b>Alyssa Chelsea Ehrlich</b>	South Side High School, Rockville Centre	<i>The Effect of the Adipose60 Mutation on the Locomotion of Wild Type and Vestigial Winged Drosophila melanogaster</i>
<b>Behavior &amp; Social Sciences</b>	Award	Name	School	Title
	<b>Second</b>	<b>Trisha Paige Nussbaum</b>	Roslyn High School	<i>How Harry Potter Can Help You Get a Higher SAT Score: The Effects of Context and Familiarity on Vocabulary Retention on Adolescents</i>
	<b>Fourth</b>	<b>Geetika Rudra</b>	Roslyn High School	<i>How Scary Is Too Scary? The Effect of fear Appeals in Political Advertising</i>
		<b>Gabrielle Alexandra Young</b>	Valley Stream South High School	<i>Examining the Clinical Utility of the RBANS for Spanish Speakers with Epilepsy</i>
<b>Biochemistry</b>	Award	Name	School	Title
	<b>Fourth</b>	<b>Steven Ham</b>	Herricks Senior High School	<i>Exploring the Effects of Nicotine on the Expression of Molecular Compounds Associated with Alzheimer's Disease: A Novel Mechanism in Neuroprotection</i>

	Award	Name	School	Title
Chemistry	Best in Category	Preya Shah	Ward Melville High School	<i>Combating Cancer: Design and Synthesis of Dual-Warhead Tumor-Targeting Drug Conjugates</i>
	First	Preya Shah	Ward Melville High School	<i>Combating Cancer: Design and Synthesis of Dual-Warhead Tumor-Targeting Drug Conjugates</i>
Earth & Planetary Sciences	Award	Name	School	Title
	Third	Sarah Dunn Ditchek	North Shore Hebrew Academy High School	<i>Role of Sea Surface Pressure in Determining Possible Recurvature of a Hurricane's Path</i>
Engineering: Electrical & Mechanical	Award	Name	School	Title
	Second	Karson M. Miller	John L. Miller-Great Neck North High School	<i>Automated Wires Privacy and RC4 Encryption Protection Through 802.11 Wireless Packet Injection</i>
Environmental Sciences	Award	Name	School	Title
	Second	Amy Elizabeth Van Scoyoc	East Hampton High School	<i>Investigating Epigenetics: Methylation and Pollution-Induced Gene Expression in the Invertebrate <i>Dugesia tigrina</i></i>
Mathematical Sciences	Award	Name	School	Title
	Fourth	Jason Saul Gross	Commack High School	<i>An Investigation of the Closure of the Set of Singleton Sets of Natural Numbers under Union, Intersection, Complement, Addition, Multiplication</i>
Medicine & Health Sciences	Award	Name	School	Title
	Third	Jordan Brandt Urbach	Roslyn High School	<i>Super Oligodendrocytes: Remyelinating MS Lesions Using Laminin and Immunomodulators</i>
		Stephanie Mian Wang	Roslyn High School	<i>The Novel Property of the Circulating Hormone AM and Its Binding Protein: Neuroprotection in Hypoxia</i>

Teams	Award	Name	School	Title
	Best in Category	Shaunak Krishan Bakshi & Peter Hans Massy	Manhasset High School	<i>ALPHA-Lipoic Acid: Towards a Novel Neuroprotective Treatment for Alzheimer's Associated Cognitive Dysfunction in a Drosophila Model</i>
		Shaunak Krishan Bakshi & Peter Hans Massy	Manhasset High School	<i>ALPHA-Lipoic Acid: Towards a Novel Neuroprotective Treatment for Alzheimer's Associated Cognitive Dysfunction in a Drosophila Model</i>
	First	Jacqueline B. Bokor & Hannah M. Berkowitz	Long Beach High School	<i>The Impact of Abscisic Acid on the Sequestration of Metals by Euglena gracilis</i>
		Samantha B. Larsen & Cole J. Blum	Long Beach High School	<i>Sunscreen: A Catch 22- Blocking of the Photocatalytic Activity of Titanium Dioxide Nanoparticles by Ploymer Coating</i>
	Third	Daniel Eric Younger, Megan Elizabeth Graber & Ashley Khalili	North Shore Hebrew Academy High School	<i>Engineering a Chip Based Biosensor for Proteins and Phosphates</i>
		Celline Kim & Esop Baek	Manhasset High School	<i>Evaluating the Effects of Environmental Toxin 4-Nonylphenol and Estrogen on U937 Human Immune Cells Using Microarray Analysis</i>
	Fourth	Jonathan Edmond Gillis & Taryn Leigh Wassmer	Manhasset High School	<i>The Effects of Pulsating Sub-Lethal Levels of Electric Shock on the Biosynthesis of Pisatin(+) in Pisum sativum L.</i>