

ISEF 2010 Grand Award Winners

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

Boot in Oatogory	Award	Name	School	Title
Seaborg SIYSS Award	All expense- paid trip to the Stockholm International Youth Science Seminar during the Nobel Prize Ceremonies	Joshua William Pfeffer	North Shore Hebrew Academy High School	Super Kahler-Ricci Flow
	Award	Name	School	Title
Animal Sciences	Second	Alyssa Ehrlich	South Side High School	Effects of Starvation on Wild Type and Adipose60 Mutant Drosophila melanogaster
	Award	Name	School	Title
Behavior & Social Sciences	Third	Kevin Young Xu	Roslyn High School	Understanding the Psychosocial Factors Related to Low Mammography Adherence amongst Low-Income, Urban African Americans
	Fourth	Aaron Levine	Roslyn High School	The Effects of Issue- Based and Character-Based Attack Ads on Intent to Vote and Perceptions of Candidates of Fibrinogen Clotting in the Absence of Thrombin: A Novel Surface Chemistry Approach with Biomedical Applications

Biochemistry	Award	Name	School	Title
	Second	Pooja Rambhia	Jericho High School	Modification of Fibrinogen Clotting in the Absence of Thrombin: A Novel Surface Chemistry Approach with Biomedical Applications
	Award	Name	School	Title
Engineering: Electrical & Mechanical	Third	Chaimaa Makoudi	General Douglas MacArthur High School	Lighting the Future: The Power Output of Titanium Dioxide Solar Cells Using Various Dyes
	Award	Name	School	Title
Engineering: Materials & Bioengineering	Second	Julia Poje	Valley Stream South High School	A Molecular Automaton with Built- in Visual Display for Filovirus Identification
	Award	Name	School	Title
Environmental Management	Second	Brandon Li	Jericho Senior High School	Pore Size Reduction of Electrospun Polyacrylonitrile (PAN) Scaffolds for High Performance Microfiltration
	Award	Name	School	Title
Environmental Sciences	Best in Category	Celline Kim	Manhasset High School	Environmental Toxin 4-Nonylphenol and Autoimmune Diseases: Using DNA Microarray to Examine Genetic Markers of Cytokine Activity
	First	Celline Kim	Manhasset High School	Environmental Toxin 4-Nonylphenol and Autoimmune Diseases: Using DNA Microarray to Examine Genetic Markers of Cytokine Activity

Mathematical Sciences	Award	Name	School	Title
	Best in Category	Joshua William Pfeffer	North Shore Hebrew Academy High School	Super Kohler-Ricci Flow
	First	Joshua William Pfeffer	North Shore Hebrew Academy High School	Super Kohler-Ricci Flow
Medicine & Health Sciences	Award	Name	School	Title
	Third	Pragya Kakani	Jericho Senior High School	The Novel Use of Fluorescence Resonance Energy Transfer (FRET) to Observe Apoptosis in Oligodendrocytes
Microbiology	Award	Name	School	Title
	Third	Joshua Lewin- Jacus	Lynbrook Senior High School	The Effects of Grazer Exclusion on the Colonization of Hard Substrates by Microbial Communities

	Award	Name	School	Title
Teams	First	Jan Gong & Charles Cheng Yu	Garden City High School/ The Wheatley School	High Glucose Levels Alter Morphine Signaling Systems: A Novel Pathway for Sugar Addiction
	Second	Shaunak Krishan Bakshi, Peter Hans Massey	Manhasset Senior High School	Analysis of the Effects of Sleep Deprivation on Learning Behavior and Cognitive Deficit in a Drosophila Model: A Potential Target for Neuroprotective Pharmacotherapy
	Fourth	Ruchi Shah & Garima Yadav	Sachem High School North	The Role of Perspiration Constituents in the Attraction of Culex pipiens to Humans
		Jackie Bokor & Hannah Berkowitz	Long Beach High School	Enhancing Biofilters: The Impact of Abscisic Acid on the Sequestration of Heavy Metals by Euglena gracilis
		Neil Pathak & Rohit Ramani	Herricks High School / Half Hollow Hills High School East	Construction of a Contrast-Enhanced Brain-Mimicking Hydrogel and Simulation of the Mechanical Effects of Implantable Brain Electrodes