

## **ISEF 2005 Grand Award Winners**

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

	Award	Name	School	Title
Behavior Sciences	Third	Christina Marie Amoroso	Lawrence High School	"My Brother's Keeper": Well-Being and Relationship Effects of Having a Sibling with Autism
	Fourth	Daniel Nikbakht	Half Hollow Hills High School West	The Effects of External Loans on the Economic Performance of Latin American Countries: An Integrated Statistical Approach
	Award	Name	School	Title
Biochemistry	Second	Samantha Leigh Schneider	Jericho Senior High School	An Evaluation of Single Nucleotide Polymorphisms (SNPs) within Gene EP300 of Human Chromosome 22q to Assess their Role in Pediatric Brain Tumors
	Award	Name	School	Title
Chemistry	Second	Rohan Kirit Panchamia	Herricks Senior High School	Development of Novel DNA Sensitive Dye Sensors Using Combinatorial Approach
	Award	Name	School	Title
Engineering	Fourth	Benjamin Min- Jia Chang	Sewanhaka High School	Extracting Melody from MIDI Files
	Award	Name	School	Title
Medicine & Health	First	Suraj Hitendra Rambhia	Jericho High School	Modulation of the Ubiquitin-Proteasome Complex Via Morphine Coupled Nitric Oxide Release: A Possible Mechanism for the Prevention of Neurodegenerative Diseases
Microbiology	Award	Name	School	Title
	Third	Nikhil Gupta	Manhasset High School	Engineering 3- Dimensional Skeletal Muscle Tissue

	Award	Name	School	Title
Physics	Third	Eric Louis Paniagua	Massapequa High School	Analysis of Network Motifs in the C. elegans Nervous System
Teams	Award	Name	School	Title
		Heather Ann Casper & Benjamin Alan Pollack	Plainview-Old Bethpage John F. Kennedy High School	Carbonic Anhydrase: Expression in Dioscorea and Molecular Evolution in Arabidopsis thaliana, Oryza sativa, and Dioscorea Species
	Third	Daniel Hefter & Aryeh Sokolov	Davis Renov Stahler Yeshiva High School for Boys	Engineering Environmentally Safe Self Extinguishing Polymers
		Anirudh Venkat Ramesh & Yaagnik Doraiswamy Kosuri	Sachem High School East	Development of a Helium Neon Laser-Based Optical Spanner
	Fourth	Marissa Fawn Goldblatt & Karthik Vellore Sabapathy	Plainview-Old Bethpage John F. Kennedy High School	Using Wing Characteristics of Drosophila to Map Evolutionary Modes and Patterns