

ISEF 2003 Grand Award Winners

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

	Award	Name	School	Title
Behavioral Sciences	Second	Casey Vaughn	Lawrence High School	"Deaf, Not Dumb:" Dispelling the Myth of the "Mathematics Deficit" Among Deaf Students.
		Sarah Waldman	Roslyn High School	The effects of stereotype threat on high school girls 'performance on a math test.
	Award	Name	School	Title
Biochemistry	Third	David Gottesman	Roslyn High School	Isolation and Expression of an Epinephrine- synthesizing Enzyme (PNMT) from Entamoeba Parasites
	Award	Name	School	Title
Chemistry	Third	John Sadowski	North Shore High School	Self-Assembling Nanostructures Using Conductive DNA: A New Approach to Post-Silicon Computer Processor Technology
Computer Science	Award	Name	School	Title
	Fourth	Katherine Harvard	Great Neck South High School	Modeling the Ecological Success of Decision Rules Using Variants of the Iterated Prisoner's Dilemma
	Award	Name	School	Title
Environmental Science	Third	Erica Burden	Paul D. Schreiber High School	The Effects of Pubertal Exposure to Estradiol on Epididymal Sperm Counts: Genetic Differences in Sensitivity to Endocrine Disruption
Mathematics	Award	Name	School	Title
	Second	Lester Mackey	Half Hollow Hills High School West	A Combinatorial Proof of Seymour's Conjecture for Regular Oriented Graphs with Almost Regular Outsets O'a and O"a

	Award	Name	School	Title
Medicine & Health	Fourth	Jennifer Ling	John L. Miller Great Neck North High School	Detection of surface antigen mutants in the a determinant region of children that failed neonatal hepatitis B prophylaxis
		Gene Sussman	Lawrence High School	Inhibition of Cisplatin- Induced Apoptosis by AKT2: Implication of AKT2 in Chemoresistance
	Award	Name	School	Title
Microbiology	Best in Category	Jarryd Levine	Paul D. Schreiber High School	Identifying Bacterial Genes via Neural Networks
	First	Jarryd Levine	Paul D. Schreiber High School	Identifying Bacterial Genes via Neural Networks
	Award	Name	School	Title
Physics	Third	Brandon Imber	Commack High School	The "Blackberry" Cluster: Thermodynamic Equilibrium and Potential Medical Applications of Giant Nanoscale Inorganic Molecules in Solution
Zoology	Award	Name	School	Title
				The Effect Sea Star Coelomocytes have on
Zoology	First	Gregory Amend	Manhasset High School	Asteroidea Regeneration in vivo and Lumbricus terrestris Brain Cellular Proliferation in vitro
Zoology	First Award	Gregory Amend Name	•	Asteroidea Regeneration in vivo and Lumbricus terrestris Brain Cellular
Zoology		Name Joshua Egan and Jason Pellegrino	School	Asteroidea Regeneration in vivo and Lumbricus terrestris Brain Cellular Proliferation in vitro Title Sub-Nuclear Localization of the Unknown Protein Muo10.12 and the Chromatin Remodeling Factor HirA in Arabidopsis Thaliana
Zoology Teams	Award	Name Joshua Egan and Jason	School School Manhasset High	Asteroidea Regeneration in vivo and Lumbricus terrestris Brain Cellular Proliferation in vitro Title Sub-Nuclear Localization of the Unknown Protein Muo10.12 and the Chromatin Remodeling Factor HirA in Arabidopsis Thaliana Lipoic Acid Inhibits CREB Gene Expression in Regenerating Hydra
	Award	Name Joshua Egan and Jason Pellegrino Ashley Kepping and Joanne	School School Manhasset High School Northport High	Asteroidea Regeneration in vivo and Lumbricus terrestris Brain Cellular Proliferation in vitro Title Sub-Nuclear Localization of the Unknown Protein Muo10.12 and the Chromatin Remodeling Factor HirA in Arabidopsis Thaliana Lipoic Acid Inhibits CREB Gene Expression in

Fourth Jonathan Hefter and Andrew Song

Davis Renov Stahler Yeshiva High School for Boys Improving Thermal Stability of PMMA Resins by Melt Blending with Modified Organoclays