



Charles Duggan LISEF 2005 Grand Award Winners

All First Place Winners Win an All Expense Paid Trip to ISEF 2005

(LISEF has lost the records of all but the winners who went to ISEF 2005)

	Award	Name	School	Title
Behavioral Sciences	First	Christina Marie Amoroso	Lawrence High School	<i>"My Brother's Keeper": Well-Being and Relationship Effects of Having a Sibling with Autism</i>
		Samantha Allyne Breakstone	Bellmore JFK High School	<i>Social Spacing in Juvenile African Weakly Electric Fish, <i>Mormyrus rume proboscirostris</i> (Teleostei, mormyridae)</i>
		Daniel Nikbakht	Half Hollow Hills High School West	<i>The Effects of External Loans on the Economic Performance of Latin American Countries: An Integrated Statistical Approach</i>
Biochemistry	First	Jeffrey Zhaoke Fei	Ward Melville High School	<i>Mutagenic Bypass Pathway Involved in the Eukaryotic Cellular Response to Anticancer Drug Resistance</i>
Botany/ Zoology	First	Jordan Dexter Crafton	Uniondale High School	<i>The Hormesis Phenomenon: Implications for Using Low Doses of Harmful Agents to Stimulate Plant Growth</i>
Chemistry	First	Rohan Kirit Panchamia and Mary Margaret Dillon	Herricks Senior High School	<i>Development of Novel DNA Sensitive Dye Sensors Using Combinatorial Approach</i>
Computer Science/ Mathematics	First	John Michael Sillcox	Jericho High School	<i>Nonagonal Numbers in the Fibonacci Sequence and Related Diophantine Equations</i>
Earth & Space	First	Paul Jaewook Park	Massapequa High School	<i>Friction Limited Landslide Model: An Analysis of Historic</i>

				<i>Landslides in the Central Idaho Batholith</i>
Engineering	Award	Name	School	Title
	First	Benjamin Min-Jia Chang	Sewanhaka High School	<i>Extracting Melody from MIDI Files</i>
Environmental Sciences	Award	Name	School	Title
	First	Ana Luisa Cisneros	Uniondale High School	<i>Allelopathic Kinetics: A Novel Approach Developing Herbicides Using Natural Plant Toxins</i>
Medicine & Health	Award	Name	School	Title
	First	Sarah Emily Cantanzaro	Paul D. Schreiber High School	<i>Modified Tobacco Products Reveal the Critical Role of Nicotine in Promoting Atherogenesis</i>
		Ekta Patel	Syosset High School	<i>Low Dose Morphine Priming Prevents High Dose Morphine Induced Macrophage Injury</i>
		Suraj Hitendra Rambhia	Jericho High School	<i>Modulation of the Ubiquitin-Proteasome Complex Via Morphine Coupled Nitric Oxide Release: A Possible Mechanism for the Prevention of Neurodegenerative Diseases</i>
Microbiology	Award	Name	School	Title
	First	Nikhil Gupta	Manhasset High School	<i>Engineering 3-Dimensional Skeletal Muscle Tissue</i>
Physics	Award	Name	School	Title
	First	Eric Louis Paniagua	Massapequa High School	<i>Analysis of Network Motifs in the C. elegans Nervous System</i>
Teams	Award	Name	School	Title
	First	Heather Ann Casper and Benjamin Alan Pollack	Plainview-Old Bethpage JFK High School	<i>Carbonic Anhydrase: Expression in Dioscorea and Molecular Evolution in Arabidopsis thaliana, Oryza sativa, and Dioscorea Species</i>
		Marissa Fawn Goldblatt and Karthik Vellore Sabapathy	Plainview-Old Bethpage JFK High School	<i>Using Wing Characteristics of Drosophila to Map Evolutionary Modes and Patterns</i>
		Daniel Hefter and Aryeh Sokolov	Davis Stahler Yeshiva High School for	<i>Engineering Environmentally Safe Self Extinguishing</i>

	Boys/Hebrew Academy of the Five Towns & Rockaway	<i>Polymers</i>
Christopher Demos Kostoulas and Marisol Ryu	Manhasset High School	<i>The Effectiveness of Artemia and Vibrio Bioassays for Low Levels of Lead Pollution</i>
Michael Jay Levy and Alexander Abraham Egan	Manhasset High School	<i>The Effects of Trichostatin A on Longevity, Metabolism, and Reproduction in Drosophila melanogaster</i>
Nora Iordanova Micheva and Tina Ho	Ward Melville High School/Smithtown High School	<i>Design and Synthesis of Second and Third Generation Taxiods</i>
Shuo Qui and Scott Philip Yakaitis	Manhasset High School	<i>The Effects of Various Anti-Oxidants on Parkinson's Model Drosophila</i>
Anirudh Venkat Ramesh and Yaagnik Doraiswamy Kosuri	Sachem High School East/Herricks Senior High School	<i>Development of a Helium Neon Laser-Based Optical Spanner</i>