



Charles Duggan LISEF 1998 Grand Award Winners

All **First Place** Winners Win an All Expense Paid Trip to ISEF 1998

	Award	Name	School	Title
Behavioral Sciences	First	Jaime Lynn Gluck	Lawrence High School	<i>Developing a Model to Link Performance and Test Anxiety in Adolescent Musicians</i>
		Ameet Shirang Talwalkar	Half Hollow Hills High School East	<i>Mathematical Model for the Integration of Visual and Auditory Information</i>
Biochemistry	First	Grace Ann Lau	Ward Melville High School	<i>Protease-Antiprotease Interactions and the Use of Green Tea as an Elastase Inhibitor</i>
Chemistry	First	Chung-Lun Chuang	Syosset High School	<i>Application of Mixed Triblock Copolymers ($B_6E_{46}B_6$ and $B_{10}E_{271}B_{10}$) as a New Separation Medium in DNA Capillary Electrophoresis</i>
		Catherine Gloria Liang	Kings Park High School	<i>New Tasanes as Promising Reversal Agents for Multi-Drug Resistance in Cancer Chemotherapy</i>
Computer Science	First	Michael Bennett Silverman	Paul D. Schreiber High School	<i>Artificial Intelligence Experiment to Improve GPS Satellite Configuration</i>
Engineering	First	Thomas Petersen	Ward Melville High School	<i>Dynamics of Polymers in Free-Standing Thin Films</i>
Environmental Sciences	First	Eric Matthew Chesin	Syosset High School	<i>Effects of Radioactive Contamination on the Marine Environment</i>
Mathematics	First	Daniel Yamins	Great Neck South High School	<i>Structural Organization Theory and its Applications</i>
Microbiology	First	Grace Yew-Mih Lee	Lawrence High School	<i>Study of the Effects of Plant-Derived Strolls and Animal Stardust on Neurogenesis of Cultured Olfactory</i>

				<i>Neuroepiatholium in vitro</i>
Physics	Award	Name	School	Title
	First	Jonathan Adam Kelner	The Wheatley School	<i>Universality of the Near-Zero Microscopic Eigenvalue Spectrum of Random Matrix Ensembles of Infinite Variance</i>
Zoology	Award	Name	School	Title
	First	Andrew Gregg Shuman	Lawrence High School	<i>Comparative Study of Inflammatory Mediators</i>
Teams	Award	Name	School	Title
	First	Adam Ross Adler, Peter Raymond Capelluto & Eli Rosofsky	Ward Melville High School	<i>Thermal Sprayed Polymer Composite Coatings With Enhanced Abrasion Resistance</i>
		Risa Nicole Borowick, Jared Seth Morgenstern & Lisa Beth Schwartz	Roslyn High School	<i>Voting, Politics, and Mathematics</i>
		Joy Marie Dyer & Vilas Saldanha	Manhasset Junior-Senior High School	<i>Relationship Between Creativity and Depression</i>
		Maria Lucia Lagade Madariaga & Dorothy Jean	Ward Melville High School	<i>Effects of Volatile Anesthetics on the G-Protein Activation of the Effector Enzyme Phospholipase C</i>
		Stephanie Ellyn Petruccelli & Kathleen Elizabeth Griffin	Massapequa High School	<i>Microbial Contamination and Cleanliness of Fast Food Restaurant Eating Areas</i>
		Lisa Antoinette Visentin, Kathy Hwang & Madhavi J. Parekh	Manhasset Junior-Senior High School	<i>Effects of a Ferromagnetic Field and UV-B Radiation Social and Navigational Habit of Pogonomyrmex occidentals</i>