



Charles Duggan

LISEF 1999 Grand Award Winners

All **First Place** Winners Win an All Expense Paid Trip to ISEF 1999

	Award	Name	School	Title
Behavioral Sciences	First	Ian Brett Yohai	Syosset High School	<i>Effectiveness and Necessity of Majority-Minority Voting Districts</i>
		Zahir Zaveri	Paul D. Schreiber High School	<i>Phillips Curve Reevaluation and Study of International Interdependence</i>
Biochemistry	First	Jonathan Robert Hoffman	Harborfields High School	<i>Caspas Activation in Extracts From Oncogenically-Transformed Mammalian Cells</i>
Chemistry	First	Alexandra Andrea Herzlich	Paul D. Schreiber High School	<i>Structural and Thermal Properties of Polymorphs of Perylene</i>
Computer Science	First	Trevor Alan Bass	Great Neck South High School	<i>Investigating Punctuated Equilibrium Via Genetic Algorithm</i>
Engineering	First	Bryan Eric Laulicht	Great Neck South High School	<i>Vortex Ring Propagation Through Tubes</i>
Environmental Sciences	First	Yoni Hertz	Half Hollow Hills High School East	<i>Allometry of digestion and Assimilation Efficiencies of Sediment-Associated Contaminants in the Polychaete Worm Neresis succinea</i>
Gerontology	First	Eric David Stern	Great Neck South High School	<i>Alzheimer's Disease and ICAB: Enzymatic Activity in AB-Induced Cytotoxicity</i>
Mathematics	First	Michael David Metzger	The Wheatley School	<i>Crossing Field Models From Variants of Cross Structure Bi-graph</i>
		Caroline Sung-Eun Seo	Paul D. Schreiber High School	<i>Euler's Phi-Function</i>
Microbiology	First	Lauren Dara Gold	Paul D. Schreiber High School	<i>Th1/Th2 Kinetics & the Role of B7 in Activation of CD4 + T-Cells</i>

		Vivek Singh	Syosset High School	<i>Phylogenetic Status of Anaerobacter polyendosporus</i>
Physics	Award	Name	School	Title
	First	Alexander David Wissner-Gross	Great Neck South High School	<i>Rapid Granular Fabrication of Nanocircuitry: Modeling a Novel Process for Macroscopic Control of Extended Nanoscopic Fullerene Structures</i>
Zoology	Award	Name	School	Title
	First	Kerry Ann Geiler	Massapequa High School	<i>Ants Go Marching Two by Two: Multivariate Expression of the Physical and Chemical Communication of Formicidae</i>
Teams	Award	Name	School	Title
	First	Jon Louis Calluzzo & Edward Kim	Manhasset Junior-Senior High School	<i>Determining the Cloning Potential of Gossypium hirsutum Based Upon Organogenesis</i>
		Katie H. Cook & Adam J. Hess	Manhasset Junior-Senior High School	<i>Effects of Hypergravity on the Hormone Production of Aneva sativa</i>
		Manvir Kalsi & Ramji Srinivasan	Plainview-Old Bethpage JFK High School	<i>Auxiliary Emergency Brake Light</i>
		James Lee & Matthew L. White	Roslyn High School	<i>Fibonacci and Lucas Sequences: From Beginning to End</i>
		Reed Adam Mauser & Craig Joshua Berman	Ward Melville High School	<i>Dependence of Ultrasound Velocity and Mechanical Strength in Trabecular Bone on Mineral Density</i>
		Shari Melissa Morris & Melissa Nicole Eliot	Plainview-Old Bethpage JFK High School	<i>Emotional Effect of Breast Cancer on Women</i>
Vincent Joseph Napolitano	Manhasset Junior-Senior High School	<i>Using Hydra Assay to Quantify the Rate of Phytoremediation on Guaiacol</i>		