



Charles Duggan

LISEF 2000 Grand Award Winners

All **First Place** Winners Win an All Expense Paid Trip to ISEF 2000

	Award	Name	School	Title
Behavioral Sciences	First	Aaron Michael Halegua	Roslyn High School	<i>Gender and Politics Are Americans Ready for Mom to Be President? Two-Year Study</i>
	Award	Name	School	Title
Computer Science	First	Ian Lesslie Cadieu	John L. Miller-Great Neck North High School	<i>Fiber Optic Null-Modem</i>
	Award	Name	School	Title
Engineering	First	Zachary Daniel Wissner-Gross	Great Neck South High School	<i>Phototropic Solar Cell-Novel Device to Enhance Photovoltaic Efficiency Through Utilization of Photoresistors and Vertical Translation</i>
	Award	Name	School	Title
Environmental Sciences	First	Jonathan Hertz	Half Hollow Hills High School East	<i>Factors Controlling Desorption and Assimilation Efficiencies of Sediment-Associated Contaminants in Deposit-Feeding Invertebrates: Two-Year Study</i>
		Andrew Charles Pelzer	Manhasset Junior-Senior High School	<i>Low LET Radiation Induced Apoptosis in the NTERA-2 Neuronal Cell Line</i>

Mathematics	Award	Name	School	Title
	First	Shirley Cho	Paul D. Schreiber Senior High School	<i>Knots, Links and Applications to DNA</i>
		Leslie Erin Cohen	Great Neck South High School	<i>Golden Ratio (phi) in Facial Portraits Throughout the Last 1,000 Years</i>
		Zachary Howard Cohn	Half Hollow Hills High School East	<i>Reciprocity Laws Establishing the Quadratic Character of Remainder Classes in Fields</i>
		Richard B. Gottesman	Roslyn High School	<i>Integer Sequences that Behave Like the Fibonacci Sequence</i>
		Cory Scott Mingelgreen	Lawrence High School	<i>Unified approach to Cycle Lengths in the Fibonacci Mod P Sequence: Two Year Study</i>
Daniel Ian Rosenbloom		Great Neck South High School	<i>Dynamics of the Non-Spatial Iterated Prisoner's Dilemma With a Continuous Range of Strategies and Populations</i>	
Medicine & Health	Award	Name	School	Title
	First	Kate Elizabeth Pedatella	Paul D. Schreiber High School	<i>Atomic Force Microscopy Study of Membrane Protein CFTR</i>
Casey Allison Seideman		Northport High School	<i>Protective Effects of Vasoactive Intestinal Peptide on Apoptosis</i>	
Physics	Award	Name	School	Title
	First	Charles F. Cadieu	John L. Miller-Great Neck North High School	<i>Characterization of Oxidation Resistant Magnetic Thin Films</i>
Zoology	Award	Name	School	Title
	First	Kerry Ann Geiler	Massapequa High School	<i>Ants Go Marching Two by Two Multivariate Analysis of the Physical and Chemical Communication of Formicidae Species</i>

Teams	Award	Name	School	Title
	First	Joakim Kristofer Vinberg & Beeneet Kothari	Manhasset Junior-Senior High School/ Half Hollow Hills High School West	<i>Stochastic Models of HIV/T Cell Analyzing Chemotherapy</i>
		Kenneth Hung & Punta Bhansali	Kings Park High School/ Half Hollow Hills High School East	<i>Synthesis of Novel Taxanes as Potent New MDR Reversal Agents for Cancer Chemotherapy</i>
		Jon Louis Calluzzo & Edward Kim	Manhasset Junior-Senior High School	<i>Cross Cultural Descriptive Analysis Gender Stereotyping Between Children in Long Island and the Czech Republic</i>
		Jared Avrum Frankel & Mitchell Slade Kase	Plainview-Old Bethpage JFK High School	<i>Assessing High School Students' Knowledge About Breast Cancer Through a Symposium</i>
		Dana Eve Berkowitz, Francesca Marie Pignataro & Rachel Meredith Shoichet	Plainview-Old Bethpage JFK High School	<i>Mitochondrial Genome of Zebrafish, Danio rerio</i>
		Justin Georgekutty & Jordan Rubinstein	Roslyn Heights, NY	<i>Recycling Algorithm</i>
		Mark D. Gebel, David Strauss & Prameet H. Shah	Smithtown High School	<i>Design and Development of Temporary Shelter for Use in a Disaster Situation</i>
		Una Au & Eugenia Tsai	Manhasset Junior-Senior High School	<i>Determining Effective Method of dsRNA Administration in Drosophila melanogaster</i>