



## ISEF 2017 Grand Award Winners

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

	Award	Name	School	Title
<b>European Union Contest for Young Scientists Award</b>	Trip to the European Union Contest	<b>Kendra Zhang</b>	Jericho High School	<i>A paper-based microbial fuel cell for self-powered, low-cost glucose monitoring in saliva</i>
<b>Behavior &amp; Social Sciences</b>	Third	<b>Chloe Levin</b>	Roslyn High School	<i>Dress to Impress: The Influence of the Encloded Cognition Effect on Self-Esteem and Self-Efficacy</i>
<b>Biomedical and Health Sciences</b>	Third	<b>Mohamed El-Abtah</b>	Syosset High School	<i>Hepatic Stellate Cell-Targeting Nanoparticles for Hepatocellular Carcinoma Chemoprevention</i>
<b>Cellular and Molecular Biology</b>	First	<b>Mark Hu</b>	Jericho High School	<i>Circumventing traditional bottlenecks in glioma genetic therapy: ultra-pH sensitive nanodelivery vehicles</i>
	Fourth	<b>Michael Lai</b>	Jericho High School	<i>Identification of TBX3 as a Novel Regulator of Lung Angiogenesis</i>
<b>Chemistry</b>	Second	<b>Archana Verma</b>	Jericho High School	<i>Spin-Orbit Coupling Induced Heterogeneous Excited-State Dynamics in 6-Coordinate Transition Metal Protodyes</i>
<b>Earth &amp; Planetary Sciences</b>	Fourth	<b>Abbigayle Cuomo</b>	Commack High School	<i>A Study of Westward Recurving Tropical Cyclone Tracks in the Atlantic</i>
<b>Embedded Systems</b>	Fourth	<b>Scott Sofier</b>	<b>North Shore Hebrew Academy High School</b>	<i>The Heat Free Car - Vehicular Heatstroke Prevention System (Second-Generation Prototype)</i>

<b>Engineering: Materials &amp; Bioengineering</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	Fourth	<b>Rachel Sacks</b>	Hebrew Academy of the Five Towns and Rockaways	<i>The Influence of Metallized Graphene Oxide/Reduced Graphene Oxide and Sulfonated Polystyrene on Dental Pulp Stem Cell Differentiation and Protein Adsorption</i>
<b>Engineering: Materials &amp; Bioengineering</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	Fourth	<b>Gila Schein</b>	Hebrew Academy of the Five Towns and Rockaways	<i>The Influence of Metallized Graphene Oxide/Reduced Graphene Oxide and Sulfonated Polystyrene on Dental Pulp Stem Cell Differentiation and Protein Adsorption</i>
<b>Energy: Chemical</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	Best in Category	<b>Kendra Zhang</b>	Jericho High School	<i>A paper-based microbial fuel cell for self-powered, low-cost glucose monitoring in saliva</i>
<b>Energy: Chemical</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	First	<b>Kendra Zhang</b>	Jericho High School	<i>A paper-based microbial fuel cell for self-powered, low-cost glucose monitoring in saliva</i>
<b>Mathematical Sciences</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	Second	<b>Anton Wu</b>	Half Hollow Hills High School East	<i>Discrete Ricci Flow on Discrete 3-Manifolds</i>
<b>Microbiology</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	Third	<b>Raphael Iskra</b>	Commack High School	<i>The Effects of Nitazoxanide on Chaperone/Usher Pathway Assembled Virulence Factors in Gram-negative Bacteria</i>
<b>Physics and Astronomy</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	Third	<b>Rushabh Mehta</b>	Syosset High School	<i>Exact Muon Orbit Distortion with <math>E821 \beta</math> function</i>
<b>Systems Software</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	Fourth	<b>Talia Blum</b>	Plainview Old Bethpage JFK High School	<i>Optimizing Supercomputer Topologies: Developing Probabilistic Algorithms to Construct More Efficient Node Networks to Increase Supercomputer Speed</i>