



			High School	
		<b>Julie Steinberg</b>	John F Kennedy High School-Bellmore	<i>The Effectiveness of Music Therapy as a Mode of Pain Management</i>
		<b>Michael Vaughn</b>	Lawrence High School	<i>Cracking the Shell: Animal-Assisted Therapy and its Impact on Children on the Autism Spectrum</i>
		<b>Jonathan White</b>	Roslyn High School	<i>An Analysis of the Relationship between Pressure and the Performance of Major League Baseball Players</i>
	<b>Honorable Mention</b>	<b>Seyma Dachowitz</b>	Paul D. Schreiber High School	<i>Observing the Speech Segmentation of Late Learners of French</i>
		<b>William Doyle</b>	Syosset High School	<i>Federal Open Market Committee Transparency and Effects on National Economy</i>
		<b>Jacob Levy</b>	Roslyn High School	<i>Ch-Ch-Ch-Changes What Variables Affect a Player's Performance When He Changes Teams?</i>
		<b>David Mendelsohn</b>	South Side High School	<i>The Effect of Video Games on Adolescent Behavior</i>
		<b>Annie Norbitz</b>	Half Hollow Hills High School West	<i>Stances on Teen Female Sexuality in Seventeen Magazine Over Time</i>
		<b>Robert Sicurelli</b>	Syosset High School	<i>The Behavior of Modern Political Entities in the United States Congress</i>
		<b>Alec Slatky</b>	Massapequa High School	<i>Modeling Political Morphometry Using Hierarchical Clustering and Principal Components Analysis</i>
		<b>Jesse Yuan</b>	Syosset High School	<i>Behavior Therapy: Conditioned Inhibition as an Effective Treatment for Post-Traumatic Stress Disorder</i>
		<b>Biochemistry</b>	<b>Award</b>	<b>Name</b>
	<b>Best in Category</b>	<b>Jessica May</b>	Northport High School	<i>Unraveling the Functional Interaction between DJ-1, Parkin and PINK1, Mutated Proteins linked to Familial Forms of Parkinson Disease and</i>

				<i>Set-up of a Cellular Model to Study PINK1 Mutant Toxicity</i>
	First	Shirin Bajaj	Syosset High School	<i>The Application of Potentiometric Response to the Development of a Biosensor for the Detection of Anthrax-causing Bacillus Anthracis spores</i>
		Jessica May	Northport High School	<i>Unraveling the Functional Interaction between DJ-1, Parkin and PINK1, Mutated Proteins linked to Familial Forms of Parkinson Disease and Set-up of a Cellular Model to Study PINK1 Mutant Toxicity</i>
	Second	André Borczuk	The Wheatley School	<i>Combining DNA Copy Number and Gene Expression Profiling to identify genes important in pancreatic Cancer</i>
		Magdalena Robak	Half Hollow Hills High School West	<i>Comparative expression pattern analysis of SoxB1/Sox21 during the gliogenic phase of spinal cord development</i>
	Third	Natalie Colaneri	Jericho High School	<i>Purification of the PDZ domain of the hDLG2 protein and Crystallization with a Model Peptide Substrate.</i>
		Steven Margolis	Oceanside High School	<i>Purification and properties of mutant ser568gly human erythroid 5-Aminolevulinat Synthase (ALAS2)</i>
	Honorable Mention	Yusuf Anwar	Syosset High School	<i>Role of the Shc Adaptor Protein in ErbB2 Mediated Inhibition of Taxol Induced Apoptosis</i>
		Erin D'Agostino	Manhasset High School	<i>Light Dependent Subcellular Translocation of a Novel Protein, RP2-36, in the Drosophila Photoreceptors</i>
		Elias Goodman	North Shore Hebrew Academy High School	<i>Components of the mRNA degradation pathway affect the localization of the RNA</i>

				<i>polymerase II subunit Rpb7p</i>
		<b>Mark Grbic</b>	Manhasset High School	<i>The Purification and Crystallization of Tau Protein</i>
		<b>Marisa Levy</b>	Northport High School	<i>The Cat</i>
<b>Botany/ Zoology</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>Best in Category Botany</b>	<b>Matthew Klebanoff</b>	John F Kennedy High School - Bellmore	<i>The effects of cytoskeletal disrupting agents on cotton (Gossypium hirsutum, cultivar MAXXA GTO) fiber quality</i>
	<b>Best in Category Zoology</b>	<b>Christopher Bustos</b>	Uniondale High School	<i>Rescuing Our Natural Land: Fighting Insect Invasions through a Natural Ant Repellent</i>
	<b>First</b>	<b>Christopher Bustos</b>	Uniondale High School	<i>Rescuing Our Natural Land: Fighting Insect Invasions through a Natural Ant Repellent</i>
	<b>Second</b>	<b>Sara Dennis</b>	Brentwood High School	<i>Stem Cell Regulation During Regeneration In Hydra</i>
	<b>Third</b>	<b>Alexis Mychajliw</b>	Paul D. Schreiber High School	<i>The impact of vegetative coverage on sex ratios, prey availability and predation risk in wetland Odonate populations</i>
	<b>Honorable Mention</b>	<b>Paul Chang</b>	Plainview Old Bethpage JFK High School	<i>Using the Desaturase-2 Gene and Morphological Traits of Drosophila melanogaster Across North America, the Caribbean, and Africa to Determine the Ancestral Origin of Caribbean Populations</i>
		<b>Jeremy Gurewitz</b>	Paul D. Schreiber High School	<i>The Effect Of Potassium Sorbate, Ozone, and Irradiation Treatment on Sugarcane Rust (Puccinia melanocepnela)</i>
		<b>Matthew Klebanoff</b>	John F Kennedy High School-Bellmore	<i>The effects of cytoskeletal disrupting agents on cotton (Gossypium hirsutum, cultivar MAXXA GTO) fiber quality</i>
<b>Chemistry</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>Best in Category</b>	<b>Angela Lau</b>	Plainview Old Bethpage JFK High School	<i>Controlled Release of Lipase From PCL Electrospun Fibers</i>

	<b>First</b>	<b>Angela Lau</b>	Plainview Old Bethpage JFK High School	<i>Controlled Release of Lipase From PCL Electrospun Fibers</i>
	<b>Second</b>	<b>Robert Hackett</b>	Sanford H. Calhoun High School	<i>Tumor-Targeting SWNT-Based Drug Conjugate with Double Warheads</i>
	<b>Third</b>	<b>Joanna Schlingbaum</b>	Half Hollow Hills High School East	<i>Use of Phospholipid Bilayers to Immobilize and Examine Model Radicals</i>
	<b>Honorable Mention</b>	<b>Alexandra Hilgeman</b>	Harborfields High School	<i>Kinetics and Thermodynamics of Aspartic Acid Deamination</i>
		<b>Shyam Rajan</b>	Half Hollow Hills High School West	<i>Polymorphism in Molybdenum Oxide Obtained by Polymer-Assisted Sonocrystallization</i>
<b>Computer Science/ Mathematics</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>Best in Category Computer Science</b>	<b>Theodore Tzanetos</b>	Plainview Old Bethpage JFK High School	<i>Implementing a Localization Package into an Electronic Transpotation Aid</i>
	<b>Best in Category Mathematics</b>	<b>Sana Raroof</b>	Jericho High School	<i>Computation of the Alexander-Conway Polynomial on the Chord Diagrams of Singular Knots</i>
	<b>First</b>	<b>Sana Raroof</b>	Jericho High School	<i>Computation of the Alexander-Conway Polynomial on the Chord Diagrams of Singular Knots</i>
	<b>Second</b>	<b>Theodore Tzanetos</b>	Plainview Old Bethpage JFK High School	<i>Implementing a Localization Package into an Electronic Transpotation Aid</i>
	<b>Third</b>	<b>Kenneth Ascher</b>	Oceanside High School	<i>Triangular Spiral Coverings</i>
	<b>Honorable Mention</b>	<b>Gregory Farber</b>	Syosset High School	<i>Determining and Predicting Flow Paths of Blood Cells</i>
		<b>Jason Gross</b>	Commack High School	<i>Circuits over Sets of Natural Numbers</i>
		<b>Jeffrey Kalmus</b>	John F Kennedy High School - Bellmore	<i>Sums of Gaussian and Hurwitz Integer Perfect Squares</i>
<b>Earth Science/ Environmental Science/</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>Best in Category Environmental</b>	<b>Jonathan Suncar</b>	Uniondale High School	<i>Making Your Enemy Your Friend: A Novel Method To Integrated Pest</i>

<b>Microbiology</b>	<b>Science</b>			<i>Management (IPM) Using Noxious Weed Extracts</i>
	<b>Best in Category Microbiology</b>	<b>Brittany Katz</b>	Roslyn High School	<i>The Role of Cdc7 Kinase Activity in Ime2 Protein Stabilization During Meiosis</i>
	<b>First</b>	<b>Brittany Katz</b>	Roslyn High School	<i>The Role of Cdc7 Kinase Activity in Ime2 Protein Stabilization During Meiosis</i>
		<b>Jonathan Suncar</b>	Uniondale High School	<i>Making Your Enemy Your Friend: A Novel Method To Integrated Pest Management (IPM) Using Noxious Weed Extracts</i>
	<b>Second</b>	<b>Maritza Lagunas</b>	H. F. Carey High School	<i>Analysis of Reagents- Study of Phormia regina peptides for antimicrobial efficiency</i>
		<b>Laura Zemcik</b>	Kings Park High School	<i>Recovery of Infectious Rotavirus from RNA Permits Viral Modification</i>
	<b>Third</b>	<b>Sergey Kolchinskiy</b>	Lawrence High School	<i>Enhancing the Char Aggregation and the Mechanical Properties of Polymethylmethacrylate and Polycarbonate using Halloysite Nanotubes and Resorcinol Diphenyl Phosphate</i>
		<b>Ruby Monichan</b>	Elmont Memorial High School	<i>The evaluation of carbon sources on the denitrification rate of a sequencing batch reactor</i>
	<b>Honorable Mention</b>	<b>Anthony Cassiere</b>	Kings Park High School	<i>An Analysis of the Combustion Emissions of Blends of Butanol and Butyl-levulinate with Home-heating Oil No. 2 when Applied in Home-heating systems</i>
		<b>Nikita Gupta</b>	Syosset High School	<i>Cross-linking chitosan with dimercaptosuccinic acid for effective mercury adsorption</i>
		<b>Patrick Imbriano</b>	Oceanside High School	<i>An Engineering Alternative for Beach Regeneration: Alleviating the Coastal Erosion Crisis Using Sequestered Carbon Dioxide</i>
		<b>Julie Levine</b>	Half Hollow Hills	<i>Biotransformation of</i>

			High School East	<i>Gaseous Alkenes by Nocardioides sp. Strain JS614</i>
		<b>Tyler Mantaring</b>	Elwood-John H. Glenn High School	<i>Determining the Optimum Concentration of Tea Tree Oil for Inhibiting Bacterial Growth</i>
<b>Engineering</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>Best in Category</b>	<b>Janice Kim</b>	Syosset High School	<i>A Wheelchair which will allow Wheelchair-Bound People to go to the Bathroom Independently</i>
	<b>First</b>	<b>Janice Kim</b>	Syosset High School	<i>A Wheelchair which will allow Wheelchair-Bound People to go to the Bathroom Independently</i>
	<b>Second</b>	<b>Lukasz Mosakowski</b>	Manhasset High School	<i>FSI Analysis of 3D Vulnerable Plaque Reconstructed from IVUS-Generated Patient Images</i>
	<b>Third</b>	<b>Bowei Ji</b>	Jericho High School	<i>High Flux Filtration Medium Based on Nanofibrous Poly(vinyl alcohol) Substrate with UV-Curing</i>
	<b>Honorable Mention</b>	<b>Bryan Beller</b>	Half Hollow Hills High School West	<i>The Bio-Barcode DNA Assay for the Detection of Salmonella Enterica</i>
		<b>David Chang</b>	Manhasset High School	<i>On the Use of Segmented Flow to Enhance the Performance of Micro-Heat Exchangers for Microelectronics</i>
		<b>Joshua Schwartz</b>	Oceanside High School	<i>Bio-MEMS Radio Frequency Identification (RFID) Device for Systolic and Diastolic Blood Pressure Monitoring</i>
	<b>Medicine &amp; Health</b>	<b>Award</b>	<b>Name</b>	<b>School</b>
<b>Best in Category</b>		<b>Jourdan Urbach</b>	Roslyn High School	<i>The effect of external signaling molecules on oligodendrocyte morphology, proliferation, maturity, and survival.</i>
<b>First</b>		<b>Adrian Kaszuba</b>	Lynbrook High School	<i>The Effects of DMAB-Anabaseine on APPL Flies, a Model for the Treatment of Alzheimer's</i>
		<b>Jourdan Urbach</b>	Roslyn High School	<i>The effect of external signaling molecules on oligodendrocyte</i>

				<i>morphology, proliferation, maturity, and survival.</i>
		<b>Winston Waters li</b>	Elmont Memorial High School	<i>Separating the roles of HIF 1alpha and HIF 2alpha in tumorigenesis due to loss of VHL</i>
	<b>Second</b>	<b>Justin Arnett</b>	Paul D. Schreiber High School	<i>Using Differentiation to Detect GLaucoma/Glaucomatous Progression</i>
		<b>Andrew Chen</b>	Herricks High School	<i>A Major component of Green Tea, epigallocatechin-3-gallate, inhibits hmgb1, a novel pro-inflammatory cytokine in lethal sepsis</i>
		<b>Stephen Miranda</b>	William A. Shine Great Neck South High School	<i>Use of Microarray Analysis to Examine Immunoregulatory Transcriptional Differences between Recurrent Respiratory Papillomatosis Patients and Normal Subjects</i>
		<b>Evan Babazadeh</b>	Roslyn High School	<i>Vascular cells support maintenance and differentiation of embryonic stem cells into functional sca1+ Hematopoietic cells</i>
	<b>Third</b>	<b>Herman Gudjonson</b>	Ward Melville High School	<i>Reduced taste in Drosophila mutated for an obesity syndrome protein</i>
		<b>Erin Szulman</b>	Paul D. Schreiber High School	<i>Optical Tracking of Acoustic Radiation Force on Undifferentiated PC12 Cells</i>
		<b>Naomi Kim</b>	William A. Shine Great Neck South High School	<i>Bronchioalveolar Stem Cells</i>
	<b>Honorable Mention</b>	<b>William Marsiglia</b>	Sachem High School East	<i>The Effects of Pain Relievers on Regeneration Rate of Lumbriculus variegatus</i>
		<b>Calie Morrow</b>	John F Kennedy High School-Bellmore	<i>The Effect of Electromagnetic Interference on Pacemaker Function</i>
		<b>Elisa Pennella</b>	Oceanside High School	<i>20h treatment with DIM, Genistein, and combination on PC3 and</i>



				<i>DU145 cells added post exposure to IR.</i>
		<b>Ivana Roman</b>	Elmont Memorial High School	<i>Introduction of Tobacco Smoke Condensate on Selected Biologically Significant Bacterium</i>
		<b>Allison Rosenberg</b>	Paul D. Schreiber High School	<i>Signaling Interplay Between Angiogenic Factors VEGF-165 and Semaphorin 3A</i>
		<b>Trevor Satnick</b>	John F Kennedy High School - Bellmore	<i>Doctor-Patient Communication in Anemic Lung Cancer Patients</i>
		<b>Stephanie Wang</b>	Roslyn High School	<i>The Doubled Danger of Driving While Intoxicated</i>
<b>Physics/ Space Science</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>Best in Category Physics</b>	<b>Anne Polyakov</b>	Ward Melville High School	<i>SQIF Setup for Measurements of Extremely Low Absolute Magnetic Field</i>
	<b>Best in Category Space Science</b>	<b>Katherine Bedkowski</b>	Plainview Old Bethpage JFK High School	<i>Stellar Encounters In The Solar Neighborhood</i>
	<b>First</b>	<b>Anne Polyakov</b>	Ward Melville High School	<i>SQIF Setup for Measurements of Extremely Low Absolute Magnetic Field</i>
	<b>Second</b>	<b>David Rosengarten</b>	John L. Miller Great Neck North High School	<i>Rotation Curves in Five Dimensions</i>
	<b>Third</b>	<b>Teresa Kao</b>	Ward Melville High School	<i>Characterization of Diffraction Enhanced Imaging Contrast in Breast Cancer</i>
	<b>Honorable Mention</b>	<b>Katherine Bedkowski</b>	Plainview Old Bethpage JFK High School	<i>Stellar Encounters In The Solar Neighborhood</i>
		<b>Robyn Schwartz</b>	Sanford H. Calhoun High School	<i>Decoherence in a Quantum Entangled State of a Type <math>( 00\rangle+ 11\rangle)</math></i>
		<b>Daniel Silver</b>	Half Hollow Hills High School East	<i>Study of Consecutive Spin Rotations in the Resonance EDM Method</i>
	<b>Teams</b>	<b>Award</b>	<b>Name</b>	<b>School</b>
<b>Best in Team Category</b>		<b>Zack Goldstein and Brian John</b>	William A. Shine Great Neck South High School	<i>The Effects of Extremely Low Frequency Magnetic Radiation on Drosophila</i>
<b>First</b>		<b>Cole Blum and Michelle Leonetti</b>	Long Beach High School	<i>Determination of the efficiency of symbiotic nitrogen fixation between</i>

		<i>Medicago sativa and Rhizobium leguminosarum as an alternative to nitrogenous fertilizers</i>
	<b>Lara Fourman, Sanchita Singal and Mili Mehta</b>	Plainview Old Bethpage JFK High School / Herricks High School/ The Wheatley School <i>Remote Activated Chip-Based Drug Release System Using Nanoparticles as an Anti-Cancer Therapeutic</i>
	<b>Zack Goldstein and Brian John</b>	William A. Shine Great Neck South High School <i>The Effects of Extremely Low Frequency Magnetic Radiation on Drosophila</i>
	<b>Brian Kim and Ryan Price</b>	Manhasset High School/Jericho High School <i>Cellular Dynamics of Human Dermal Fibroblasts on 3-D Oriented Poly (methyl methacrylate) Nano-Fibrous Scaffolds</i>
	<b>Yvette Leung and Pragya Kakani</b>	Jericho High School <i>Creation of a metropolitan Cosmic-ray detector</i>
	<b>Peter Massey and Claire Drago</b>	Manhasset High School <i>The Effects of SRRI's and Caffeine Supplementation on the Formation of Conditional Long Term Memory in Duncce and Wild Type Drosophila melanogaster</i>
	<b>Alex Ramek and Adam Fields</b>	Hebrew Academy Of The Five Towns And Rockaways/ Jericho High School <i>Engineered Surfaces for Cell Differentiation and Biomineralization and Self-Assembly of Fibrinogen Clots</i>
	<b>Janelle Schlossberger and Amanda Marinoff</b>	Plainview Old Bethpage JFK High School <i>FtsZ Inhibitors as Novel Chemotherapeutic Agents for Drug-Resistant Tuberculosis</i>
	<b>Joseph Calderone and Ben Kim</b>	Manhasset High School <i>The Effects of Temperature, Fluid Mechanical Pressure and Dissolved Oxygen on the Regeneration Rates of PPlanarians</i>
	<b>Sheena Hakimian and Jessica Mounessa</b>	John L. Miller Great Neck North High School <i>Determination of Atherosclerotic Plaque Vulnerability Through the Means of Magnetic Resonance Imaging</i>
	<b>Second</b>	

		<b>Samantha Larsen and Kelly Lester</b>	Long Beach High School	<i>The environmental impact of N,N diethyl-meta-toluamide, Picaridin, and Cymbopogon winterianus on Lumbricus rubellus and Lolium multiflorum</i>
		<b>Robert Levokove and Shane Silpe</b>	Long Beach High School	<i>Manipulating the movement of Daphnia palex and Daphnia magna using magnetotactic organisms in an artificial environment to remove concentrated pollutants from a region</i>
	<b>Third</b>	<b>Nicole Elstein and Sowmya Sundaresh</b>	Bayport-Blue Point High School/Hicksville Senior High School	<i>Use of Polymeric Coatings to Shield the Effects of Titanium Dioxide and Zinc Oxide Nanoparticles on Skin Cells</i>
		<b>Nicole Franco and Tiara Marshall</b>	Brentwood High School	<i>Using the Hydra BioAssay to Compare Efficacy of Salvinia vs Lemna to Remediate Hydrophilic vs Hydrophobic Toxicants in Fresh Water</i>
		<b>Pernelle Guerrier and Alex McManus</b>	Uniondale High School	<i>Heavy Metal Contamination: A Novel Approach to Agricultural Phytoremediation</i>
		<b>Samantha Bloomfield and Austin Greenfield</b>	Jericho High School	<i>The analysis of various factors with respect to the breeding habits of the dwarf seahorse (hippocampus zosterae)</i>
		<b>Sangeun Ahn, Kaitlin Kissane and Andrew Ibrahim</b>	Plainview Old Bethpage JFK High School	<i>What are the effects of digital learning and the use of computer in schools on the enhancement of learning in students?</i>
	<b>Honorable Mention</b>	<b>Justin Goldsmith and Daniel Gross</b>	Half Hollow Hills High School West/Walt Whitman High School	<i>Engineering Higher Efficiency PEM Fuel Cells and Storing Hydrogen Using Different Types of Nanoparticles</i>
		<b>Jarvis Julien and James Pastore</b>	Sachem High School East	<i>The Engineering of an environmentally Friendly, water powered vehicle</i>
		<b>Karson Miller and Daniel Shmueli</b>	John L. Miller Great Neck North High School	<i>Rapid Generic Object Recognition Through Mesh Comparison</i>

		<b>Jeremy Stein, Phillip Larsen and Peter Kahng</b>	W. C. Mepham High School/W. C. Mepham High School/Northport High School	<i>The Effect of Fosterite Olivine on Human Alveolar Basal Epithelial Cells</i>
		<b>Jacob Steinerman and Samuel Carp</b>	Hebrew Academy Of The Five Towns And Rockaways	<i>The reanalysis of upper tropospheric jet streams through the use of composite satellite imagery</i>
		<b>Jeffrey Yau and Matthew Jung</b>	Manhasset High School	<i>The Effect of Sodium Sulfide on the Growth Rate of Cyanobacteria and their Ability to Produce Energy of High Calorific Value</i>