



				<i>screening</i>
		<b>Joseph Yagoda</b>	William A. Shine Great Neck South High School	<i>Factors that Influence Academic Risk Taking in the Academic Setting</i>
	<b>Second</b>	<b>Ashley Barlev</b>	William A. Shine Great Neck South High School	<i>Degree of Androgyny And Its Impact on Math Performance and Spatial Ability</i>
		<b>Alexandra Camesas</b>	West Islip High School	<i>The role of pediatricians in sports- related injury prevention of adolescents</i>
		<b>Sarah Pak</b>	Roslyn High School	<i>The effect of mandatory assignments on children's intrinsic interest in reading.</i>
		<b>Katie L'Abbate</b>	Plainedge High School	<i>Economic Selection-An analysis of the College Admissions Process: Are Elite Institutions Fair to the Middle- Class?</i>
	<b>Third</b>	<b>Scott Mendlinger</b>	William A. Shine Great Neck South High School	<i>Drop That Doughnut: A Closer Look into Depletion of Self- Control</i>
		<b>John Sullivan</b>	Syosset High School	<i>A Game-Theoretical Analysis of the Equity of Colorado River Water Distribution</i>
		<b>Jason Desimone</b>	Paul D. Schreiber High School	<i>Psychosocial Interventions for Youths with Aggressive Spectrum Disorders: A systematic Review and Meta-Analysis</i>
	<b>Honorable Mention</b>	<b>Hayley Dicken</b>	Plainview Old Bethpage JFK High School	<i>Do You Really Think What You Think? Identifying Implicit and Explicit Prejudice Profiles among Adolescents and Adults.</i>
		<b>Josh Freeberg</b>	Roslyn High School	<i>The Rebate Debate: Consumers</i>
		<b>Eric Gold</b>	Oceanside High School	<i>Temporal Separation of Stroop Stimulus Features Reveals Neural Substrates of Conflict</i>

<b>Amarelle Hamo</b>	William A. Shine Great Neck South High School	<i>The effect of Gender stereotypes on the Perception of Female Leaders</i>
<b>Andrew Ibrahim</b>	Plainview Old Bethpage Jfk Hs	<i>Impact of Gender and Grade Level on High School Students' Need for Structure and Academic Motivation</i>
<b>Lauren Kobrick</b>	Roslyn High School	<i>Unsafe At Any Speed: A Comparison of Teenage Perceptions of Driving Under the Influence of Marijuana and Alcohol</i>
<b>Rachel Lacks</b>	Syosset High School	<i>The Effect of Autism on Marital Satisfaction</i>
<b>Ariel Lefland</b>	Roslyn High School	<i>Albumin and Markers of Inflammation As Predictors Of Worsening BMD In Patients Treated With Corticosteroids For PMR and GCA</i>
<b>Sarah Pierce</b>	Paul D. Schreiber High School	<i>The Effects of Birth Order and Total Number of Offspring on the Mortality and Survival of Papio Cynocephalus Anubis Infants</i>
<b>Zachary Porges</b>	Jericho High School	<i>EmotionSelect: Interpreting Emotions through Digital Image Collections</i>
<b>Kaitlin Prisco-buxbaum</b>	Plainedge High School	<i>It's 10:00: Do You Know What Your Child Is Doing On The Computer?</i>
<b>Randi Saunders</b>	General Douglas Macarthur High School	<i>An analysis of Social and Economic Variables and the Distribution of Toxic Release Inventory Facilities in Nassau County, NY</i>
<b>Jaclyn Vingan</b>	Half Hollow Hills High School East	<i>Comparing seasonal and pandemic influenza prevention, knowledge, attitudes, and behaviors in children and their</i>

Biochemistry/ Chemistry/ Plant Sciences	Award	Name	School	Title
				<i>parents in a suburban population.</i>
	Best in Category Biochemistry	<b>Pooja Rambhia</b>	Jericho High School	<i>Modification of Fibrinogen Clotting in the Absence of Thrombin: A Novel Surface Chemistry Approach with Biochemical Applications</i>
	Best in Category Chemistry	<b>Paul Masih Das</b>	Lawrence High School	<i>A Novel chemical synthesis for &gt;1 <math>\mu\text{m}^2</math> Graphene Sheets</i>
	Best in Category Plant Sciences	<b>Sajni Parikh</b>	Herricks High School	<i>The effects of brassinolide and indole-3-acetic acid on Gossypium hirsutum, variety MAXXA GTO</i>
	First	<b>Paul Masih Das</b>	Lawrence High School	<i>A Novel chemical synthesis for &gt;1 <math>\mu\text{m}^2</math> Graphene Sheets</i>
		<b>Pooja Rambhia</b>	Jericho High School	<i>Modification of Fibrinogen Clotting in the Absence of Thrombin: A Novel Surface Chemistry Approach with Biochemical Applications</i>
	Second	<b>Ruoyi Jiang</b>	Ward Melville High School	<i>Targeting Loop Dynamics in <math>\alpha</math>-Tubulin: The Application of In Silico Techniques In Combating Chemotherapy Drug Resistance</i>
		<b>Kevin Zhao</b>	Ward Melville High School	<i>Molecular Dynamics Simulations of Crucial Interactions in the Base Excision Repair Pathway of 8-oxoguanine by Formamidopyrimidine DNA Glycosylase (MutM)</i>
Third	<b>Julia Budassi</b>	Long Beach High School	<i>Optimization of molecular combing of single-stranded DNA via manipulation of</i>	

				<i>biophysical and biochemical conditions</i>	
		<b>Sajni Parikh</b>	Herricks High School	<i>The effects of brassinolide and indole-3-acetic acid on Gossypium hirsutum, variety MAXXA GTO</i>	
	<b>Honorable Mention</b>	<b>Zachary Goldsmith</b>	Roslyn High School		<i>Determining potential bioavailability of zinc(II) in saliva by systematic study of model solutions</i>
		<b>Daeyoup Kim</b>	Jericho High School		<i>Chelating Potential of Sugars in Steel Slag via Two Step CO<sub>2</sub> Mineral Carbonation</i>
		<b>Lauren Knocker</b>	Hauppauge High School		<i>The Effect of Plant Growth Regulators on Controlled Morphogenesis of Potato</i>
		<b>James Lauria</b>	Northport High School		<i>The Effect of Androgen on mRNA and Protein Levels of NMDA Receptor Subunits in Identified Neurons of Rat Prefrontal Cortex</i>
		<b>Devi Mehrotra</b>	Syosset High School		<i>Development of an Assay for Intermolecular Domain Docking in the Hairpin Ribozyme</i>
		<b>Nicole Meyers</b>	Paul D. Schreiber High School		<i>Optimizing the synthesis of a dipyrromethane for porphyrin preparation</i>
		<b>Alyssa Reimer</b>	Plainview Old Bethpage Jfk Hs		<i>Design and Synthesis of C-11-Labeled Tumor-Targeting Modules and A Taxoid-Based Drug Conjugate Containing Dual Tumor-Targeting Modules</i>
		<b>Allison Shen</b>	Garden City High School		<i>Asparagine 119 Comprises a Molecular Toggle: An Investigation of Constitutively Active Mutants of the Metastasis-Promoting Chemokine Receptor</i>

	Award	Name	School	CXCR4
				Title
Cellular and Molecular Biology	Best in Category	Jason Littman	Plainview Old Bethpage JFK High School	<i>The Development of siRNA Delivery Systems for Oncogene Suppression in Human Cancers</i>
		Jason Littman	Plainview Old Bethpage JFK High School	<i>The Development of siRNA Delivery Systems for Oncogene Suppression in Human Cancers</i>
	First	Ryohei Ozaki	Paul D. Schreiber High School	<i>Neurons and glia exhibit different adhesion complexes in the embryonic chick retina</i>
		Georgios Mourdoukoutas	Plainview Old Bethpage JFK High School	<i>Anesthetic Action of Isoflurane on Human Glycine Receptor Channels</i>
	Second	Alexis Tchaconas	Commack High School	<i>A Genetic Investigation of Autism: The Role of Type III Neuregulin-1/ErbB4 Signaling and Contactin4 Expression in Neurodevelopment</i>
		Third	Nevin Daniel	Ward Melville High School
	Charles Starr		William A. Shine Great Neck South High School	<i>The Effect of N-terminal Mutations on Rad54 Function</i>
	Honorable Mention		Akua Boakye-yiadom	Malverne High School
		Emma Collin	Harborfields High School	<i>The Effects of Baccillus Lichenformis on the Degradation of Ink on Recycled Papers</i>
		Danielle Fong	Half Hollow Hills High School West	<i>Establishing Stable Conditional Knock-</i>



				<i>down Clones of Human Breast Cancer Cells Harboring Mutated p53</i>
		<b>Kevin Liaw</b>	The Wheatley School	<i>the effect of aging on curcumin resistance of ht-29 colorectal cancer cells</i>
<b>Computer Science/ Mathematical Science</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>Best in Category Computer Science</b>	<b>Levent Alpoge</b>	Half Hollow Hills High School West	<i>A Non-Parametric, Massively Parallelized Multiscale Vessel Detection Method for Complex Vascular Structures</i>
	<b>Best in Category Mathematical Science</b>	<b>Joshua Pfeffer</b>	North Shore Hebrew Academy High School	<i>Super Kahler-Ricci Flow</i>
	<b>First</b>	<b>Joshua Pfeffer</b>	North Shore Hebrew Academy High School	<i>Super Kahler-Ricci Flow</i>
	<b>Second</b>	<b>Levent Alpoge</b>	Half Hollow Hills High School West	<i>A Non-Parametric, Massively Parallelized Multiscale Vessel Detection Method for Complex Vascular Structures</i>
	<b>Third</b>	<b>Rohin Jethani</b>	Syosset High School	<i>Circle Inversions</i>
	<b>Honorable Mention</b>	<b>Steven Herzberg</b>	Rambam Mesivta High School	<i>Maximum Rectilinear Crossing Numbers of the Petersen and Generalized Prism Graphs</i>
		<b>Eric Leong</b>	William A. Shine Great Neck South High School	<i>An Approach to Line-Circle Collision Detection and Response</i>
		<b>William Riley</b>	South Side High School	<i>Improving the Security of a Multitouch Padlock Through Dynamic Time Warping Algorithms</i>
<b>Earth &amp; Planetary Sciences/ Energy &amp; Transportation/ Environmental Management/ Environmental Sciences</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>Best in Category Earth &amp; Planetary Sciences</b>	<b>Dylan Assael</b>	Syosset High School	<i>An Unexpected Role for Picocyanobacteria in the Marine Silicon Cycle</i>
	<b>Best in Category Energy &amp; Transportation</b>	<b>Kevin Chiu</b>	Farmingdale High School	<i>Novel Investigation into Optimization of Storage, Production, and Economic Viability of Dual Functioning MEA</i>

	<b>Best in Category Environmental Management</b>	<b>Brandon Li</b>	Jericho High School	<i>Pore Size Reduction of Electrospun Polyacrylonitrile (PAN) Scaffolds for High Performance Microfiltration</i>
	<b>Best in Category Environmental Sciences</b>	<b>Celine Kim</b>	Manhasset High School	<i>Environmental Toxin 4-Nonylphenol and Autoimmune Diseases: Using DNA Microarray to Examine Genetic Markers of Cytokine Activity</i>
	<b>First</b>	<b>Brandon Li</b>	Jericho High School	<i>Pore Size Reduction of Electrospun Polyacrylonitrile (PAN) Scaffolds for High Performance Microfiltration</i>
		<b>Celine Kim</b>	Manhasset High School	<i>Environmental Toxin 4-Nonylphenol and Autoimmune Diseases: Using DNA Microarray to Examine Genetic Markers of Cytokine Activity</i>
	<b>Second</b>	<b>Dylan Assael</b>	Syosset High School	<i>An Unexpected Role for Picocyanobacteria in the Marine Silicon Cycle</i>
		<b>Kevin Chiu</b>	Farmingdale High School	<i>Novel Investigation into Optimization of Storage, Production, and Economic Viability of Dual Functioning MEA</i>
	<b>Third</b>	<b>Courtney Armstrong</b>	Hauppauge High School	<i>What effect will the use of varying feed stocks have on the quality and carbon stability of biochar?</i>
		<b>Brittany Hsu</b>	Jericho High School	<i>Engineering Chemically Tailored Hybrid Fibrous Adsorbents for Arsenic Remediation</i>
	<b>Honorable Mention</b>	<b>Ariana Boltax</b>	John L. Miller Great Neck North High School	<i>The role of bacteria and labyrinthulomycetes in detritus food quality</i>
		<b>Stephanie Chiang</b>	John L. Miller Great Neck North High School	<i>Characterization of aerosolized particles during a cyanobacterial</i>



		<i>bloom in Lake Agawam, NY: Implications for cloud condensation nuclei (CCN) formation</i>
<b>Carly Emmer</b>	Half Hollow Hills High School East	<i>Time Series Study of Quaternary Ammonium Comounds in Sewage Sludge During H1N1 Media Coverage at Various Treatment Facilities with Alternative Sewage Processing Methods</i>
<b>Karrine Guerrier</b>	Uniondale High School	<i>Using Biodiesel Derived Crude Glycerol to Produce Docosahexaenoic Acid (DHA) Rich Microalgae</i>
<b>Brian Kennedy</b>	Paul D. Schreiber High School	<i>Impediments to a Sustainable Future: Obstacles and Solutions for Financing Photovoltaics</i>
<b>Michelle Llanos</b>	Oceanside High School	<i>The Effects of Membrane Thickness and Temperature on the Power Density of a Direct Methanol Fuel Cell</i>
<b>Eric Mintzer</b>	Kings Park High School	<i>An Assessment of Electrochemically Polymerized Chitosan as a Bioremediative Solution for Toxic Chromium Pollution</i>
<b>Mathew Sabu</b>	Elmont Memorial High School	<i>Efficacy of Glycerol in Biological Denitrification &amp; DNA Analysis of Microbial Strains</i>
<b>Benjamin Weiss</b>	Long Beach High School	<i>The effect of simulated environmental conditions on the toxicity release in rubber granules utilized in artificial turf</i>
<b>Michael Zhang</b>	Sachem High School East	<i>Application of the Curie Effect, Stirling Engine, and Seebeck Effect to Harness Energy from</i>

				<i>Waste Heat</i>
	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
<b>Engineering: Electrical &amp; Mechanical/ Physics and Astronomy</b>	<b>Best in Category Eng: Electrical &amp; Mechanical</b>	<b>Chaimaa Makoudi</b>	General Douglas MacArthur High School	<i>Lighting the Future: The Power Output of Titanium Dioxide Solar Cells Using Various Dyes:</i>
	<b>Best in Category Physics and Astronomy</b>	<b>David Lawrence</b>	Comsewogue High School	<i>A simple method to characterize charge diffusion in CCDs using x-ray illumination</i>
	<b>First</b>	<b>Chaimaa Makoudi</b>	General Douglas MacArthur High School	<i>Lighting the Future: The Power Output of Titanium Dioxide Solar Cells Using Various Dyes:</i>
	<b>Second</b>	<b>David Lawrence</b>	Comsewogue High School	<i>A simple method to characterize charge diffusion in CCDs using x-ray illumination</i>
	<b>Third</b>	<b>Nicholas Sferrazza</b>	Half Hollow Hills High School West	<i>Impact of Insulator Material and Thickness Variation on the Performance of Virtual Frisch-Grid CdZnTe Detectors</i>
	<b>Honorable Mention</b>	<b>Andrew Akcelik</b>	Lynbrook High School	<i>The Effect of Various Types of Skin Coverings on the Distance Traveled of a Submersed Hull</i>
		<b>Daniel Katz</b>	John L. Miller Great Neck North High School	<i>Using the Transport Coefficient to Probe the Coupling of the Quark Gluon Plasma Produced in Au+Au Collisions at the Relativistic Heavy Ion Collider</i>
		<b>Andrew Li</b>	Ward Melville High School	<i>An estimate of the viscosity of the quark- gluon plasma produced in Au + Au collisions at the Relativistic Heavy Ion Collider</i>
	<b>Engineering: Materials &amp; Bioengineering</b>	<b>Award</b>	<b>Name</b>	<b>School</b>
<b>Best in Category</b>		<b>Julia Poje</b>	Valley Stream South High School	<i>A Diagnostic Molecular Automaton with Built-in Visual Display for Filovirus Identification</i>

	<b>First</b>	<b>Julia Poje</b>	Valley Stream South High School	<i>A Diagnostic Molecular Automaton with Built-in Visual Display for Filovirus Identification</i>
	<b>Second</b>	<b>Jonathon Greene</b>	Patchogue Medford High School	<i>Ultra Violet Radiation as an Alternative to Pasteurization and its Impact on Global Warming</i>
	<b>Third</b>	<b>Ghazal Erfani</b>	Plainview Old Bethpage JFK High School	<i>Surface Modified pH-Sensitive Liposomes for Targeted Cancer Therapy</i>
	<b>Honorable Mention</b>	<b>Marco Bertolotti</b>	Paul D. Schreiber High School	<i>Green Concrete: Eliminating the Use of Heat Treatment and Portland Cement in CO2-free Enhanced-Fly-Ash Geopolymer Cement</i>
		<b>Michelle Chipetine</b>	West Hempstead High School	<i>Environmentally consciences method of using Copernicia cerifera wax and Apis mellifera wax to create biodegradable plastic</i>
		<b>Brennan Chu</b>	Herricks High School	<i>The Development of a Novel Electrospun Poly(&amp;#949;-caprolactone) Nanofibrous Scaffold for Facilitating Chondrocyte Growth</i>
		<b>Christina Zhou</b>	Paul D. Schreiber High School	<i>Controlled Struvite and Phosphate Precipitation Using Gravity Belt Thickener Filtrate and Phosphorus Release Supernatant</i>
<b>Medicine &amp; Health Sciences</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>Best in Category</b>	<b>Jessica Lovett</b>	Hebrew Academy Of The Five Towns And Rockaways	<i>Caspase dependent apoptotic pathways in hct-116 colon cancer cells</i>
	<b>First</b>	<b>Pragya Kakani</b>	Jericho High School	<i>The Novel Use of Fluorescence Resonance Energy Transfer (FRET) To Observe Apoptosis In Oligodendrocytes</i>

		<b>Jessica Lovett</b>	Hebrew Academy Of The Five Towns And Rockaways	<i>Caspase dependent apoptotic pathways in hct-116 colon cancer cells</i>
	<b>Second</b>	<b>Eric Brooks</b>	George W. Hewlett High School	<i>Transition from Indolent to Metastatic Prostate Cancer Characterized through the Health Disparity between African American and Caucasian American Men</i>
		<b>Shyam Venkateswaran</b>	Herricks High School	<i>Investigating the effect of environmental carcinogens on mammary epithelial cells grown as novel three-dimensional structures</i>
	<b>Third</b>	<b>Pegah Eftekharzadeh</b>	Valley Stream North High School	<i>Body Composition Change in Children and Adolescents treated with Antidepressants, Antipsychotics and Psychostimulants.</i>
		<b>Brandyn Itzkowitz</b>	William A. Shine Great Neck South High School	<i>Comparison of RNA expression in Metastasized and Non- metastasized Prostate Cancer Cell Lines</i>
	<b>Honorable Mention</b>	<b>Kurt Baldauf</b>	Sanford H. Calhoun High School	<i>Intermittent and Continuous Negative Airway Pressure: From Conception to Clinical Application</i>
		<b>Eric Borczuk</b>	The Wheatley School	<i>An Examination of Genes whose Expression have an Effect on Prognosis in Stage 1 Lung Adenocarcinoma Patients</i>
		<b>Valentine Esposito</b>	Smithtown High School East	<i>Cellular In Vitro Evaluation of Anti- Oxidant Reductant Capabilities in MonoMac6 Cells: A Preventative Approach to Reactive Oxygen Species</i>
		<b>Foram Parikh</b>	Herricks High School	<i>Gene Profiles of Histology and drugs in</i>

				<i>non small cell lung cancer</i>
		<b>Amanda Rizzo</b>	Sayville High School	<i>The Effect of a Repeat Variation in the Human Dopamine Transporter Gene on the Dopaminergic Brain System</i>
		<b>Stephanie Sager</b>	Bellmore John F Kennedy High School	<i>The role of klf6 in lung adenocarcinoma</i>
		<b>Sophie Wang</b>	The Wheatley School	<i>Evaluation of Pulmonary Circulation Time at Rest and under Stress by Cardiac MRI First-Pass Perfusion</i>
<b>Microbiology</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>Best in Category</b>	<b>Joshua Lewin-Jacus</b>	Lynbrook High School	<i>The Effects of Sediment Relocation and Grazer Inhibition on the Colonization of Hard Substrates by Microbial Communities</i>
	<b>First</b>	<b>Joshua Lewin-Jacus</b>	Lynbrook High School	<i>The Effects of Sediment Relocation and Grazer Inhibition on the Colonization of Hard Substrates by Microbial Communities</i>
	<b>Second</b>	<b>David Park</b>	Herricks High School	<i>Development of Cell Fusion Model for Hepatitis C Virus Interaction with Target Cells</i>
	<b>Third</b>	<b>Marni Wasserman</b>	Commack High School	<i>The Effects of Common Antibiotics on Triclosan Resistant Escherichia coli</i>
	<b>Honorable Mention</b>	<b>Brandon Kann</b>	Sachem High School North	<i>The Resistance of Escherichia coli to Antiseptics Over Time</i>
		<b>Maria Passarelli</b>	South Side High School	<i>The Effect of Point Mutations in the NS2/NS3 Domain of Hepatitis C Virus on Viral Life Cycle</i>
<b>Teams</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>Best in Category</b>	<b>Berkowitz and Jackie Bokor</b>	Hannah Berkowitz	<i>Long Beach High School</i>
		<b>Peter Massey and Shaunak Bakshi</b>	Manhasset High School	<i>Dual Analysis of the Effects of Sleep Deprivation on</i>

				<i>Classical and Operant Conditioning Responses in Drosophila</i>
	First	<b>Berkowitz and Jackie Bokor</b>	Hannah Berkowitz	<i>Long Beach High School</i>
		<b>Peter Massey and Shaunak Bakshi</b>	Manhasset High School	<i>Dual Analysis of the Effects of Sleep Deprivation on Classical and Operant Conditioning Responses in Drosophila</i>
		<b>Rohit Ramani and Neil Pathak</b>	Half Hollow Hills High School East/Herricks High School	<i>Construction of a Contrast-Enhanced Brain-Mimicking Hydrogel and Simulation of the Mechanical Effects of Implantable Brain Electrodes</i>
		<b>Ruchi Shah and Garima Yadav</b>	Sachem High School North	<i>The role of Perspiration Constituents in the Attraction of Culex pipiens to Humans</i>
		<b>Salonee Shah and Michelle Leonetti</b>	W.t. Clarke High School/Long Beach High School	<i>Building enhanced bioscaffolds: improving the stability and wound-healing properties of biocompatible scaffolds using hydrogels and electrospun fibers</i>
		<b>Griffin Shapiro and Zakaria Seghrouchni</b>	Long Beach High School	<i>Energy Efficiency: Using Local Water to Increase Heating and Cooling Efficiencies in Residential Application</i>
		<b>Jonathan Tam and James Krach</b>	Manhasset High School	<i>The Effect of Solid Acid, Base, and Enzyme Catalysts on Preparation Time, Transesterification Rate, and Efficiency of Fuel Formation</i>
		<b>Charles Yu and Jan Gong</b>	The Wheatley School/Garden City High School	<i>High Glucose Levels Alter Morphine Signaling Systems: A Novel Pathway for Sugar Addiction</i>
	Second	<b>Rohitvarma Basavaraju, Lina Lin and</b>	Jericho High School/ Plainview Old Bethpage	<i>A 2D approach to molecular imprinting</i>



		<b>Edan Elias</b>	JFK High School /North Shore Hebrew Academy High School	
		<b>Ian Marquit and Aaron Wilson</b>	Commack High School	<i>The Design and Construction of a Handheld Pharmaceutical Dispenser</i>
		<b>Kelsey McKenna and Ranjeet Kaur</b>	South Side High School/Half Hollow Hills High School West	<i>The Effects of Various Media Composition on the Toxicity of Inert- Metal Nanoparticles on Human Dermal Fibroblasts and Pre- Adipocytes</i>
		<b>Gurpreet Viridi and Mark Hrvatn</b>	Plainview Old Bethpage JFK High School	<i>Towards Interactive Learning with an Avatar-based Human- Computer Interface</i>
	Third	<b>Anouva Kalra- Lall and Arjun Balakumar</b>	Roslyn High School/The Wheatley School	<i>Supplemental Parkinson</i>
		<b>Aditya Ramesh and Candice Gurbatri</b>	Sachem High School East/Half Hollow Hills High School West	<i>Role of Endogenous Nitric Oxide Production and Natural Compounds on the Formation of Biofilms</i>
		<b>Edward Vargas and Sean Oh</b>	Herricks High School/The Wheatley School	<i>The Effects of Docosahexaenoic Acid on Nitric Oxide Release and the Applications for Alzheimer's Disease</i>
		<b>Michael Zhou and Daniel Chun</b>	Jericho High School/ Plainview Old Bethpage JFK High School	<i>Modification of PET via a New Cutinase- Surfactant Biocatalyst</i>
	Honorable Mention	<b>Jessica Chen and Monika Haebich</b>	Half Hollow Hills High School West/Half Hollow Hills High School East	<i>Agrin-Induced Mitochondrial Clustering in Relation to the Clustering of Nicotinic Acetylcholine Receptor within the Neuromuscular Junction</i>
		<b>Jonathan Nachman and Sandy Guerrero</b>	North Shore Hebrew Academy High School/Longwood High School	<i>Green Micropatterning: Stamping Candida antarctica Lipase- B onto Poly(caprolactone)</i>
		<b>Kyle O'Neil and Douglas Hoch</b>	South Side High School/Solomon	<i>The Synthesis and Characterization of a</i>

	Schechter High School Of LI	<i>Nanocomposite Blend with Ideal Mechanical and Biodegradable Properties</i>
<b>Andrew Ren and Louis Dietchweiler</b>	Plainview Old Bethpage JFK High School	<i>Biological Assays of Cyanobacteria in Regards to M tuberculosis Inhibition</i>
<b>Josel Ruiz and Kesha Patel</b>	Floral Park Memorial High School	<i>The Correlation Between Core Strength and Flexibility with Back Pain</i>
<b>Mathew Sarcona and Sharon Varghese</b>	Northport High School/Brentwood High School	<i>The Use of Sirius Red in the Quantification of Collagen in Human Bronchial Smooth Muscle Cells and Rat Aortic Extracellular Matrix</i>
<b>Tyler Schwartz and Nicole Dipaoli</b>	Valley Stream North High School	<i>Response of Different-sized Marine Diatoms to a Limiting Nutrient: A study of Dissolved Inorganic Nitrogen</i>
<b>Raazia Syedda and Kelly Taveras</b>	Sachem High School East	<i>Influence of Subliminal Print Advertising on Brain Wave Activity</i>
<b>Brett Teplitz, Thomas McCune and Hayley Gadol</b>	Half Hollow Hills High School East	<i>Mutational Analysis of the Escherichia coli MoeB Protein Provides Insight into the Mechanism of E1-like Enzyme Activation</i>