



				<i>Autistic Children”</i>
		<b>Rachel Bass</b>	Roslyn High School	<i>The Power of Influence: How Even A Novel Stereotype Can Impact Vocabulary Performance</i>
		<b>Melanie Graber</b>	William A. Shine Great Neck South High School	<i>The Impact of School Transitions on Eleven year olds</i>
		<b>Julie Steinberg</b>	Bellmore John F Kennedy High School	<i>The Effectiveness of Listening to Familiar Music versus Nature Sounds as a Mode of Pain Management</i>
	<b>Third</b>	<b>Hyun Kyoung Cho</b>	William A. Shine Great Neck South High School	<i>Conceptual Priming and Emotion</i>
		<b>Matthew Glickman</b>	Roslyn High School	<i>Two Views of Leadership: One Doubtful Scale</i>
		<b>Mallory Gold</b>	Lawrence High School	<i>Body Image Among Adolescent Dancers And Their Nondancer Peers</i>
		<b>Michael Sullivan</b>	General Douglas MacArthur High School	<i>Red &amp; Yellow – Black &amp; White: Evaluating the Effectiveness of English Football’s Anti-Racism programs by Examining Referee Disciplinary Behavior, 2004-2007</i>
		<b>Rani Chudasama</b>	Syosset High School	<i>Realization of Sarcasm in Young Children</i>
	<b>Honorable Mention</b>	<b>Olivia Levine</b>	Bellmore John F Kennedy High School	<i>Trans-pat, a 5-HT2a antagonist and 5-HT2C agonist, is a novel antipsychotic and appetite suppressant</i>
		<b>Eliza Uster</b>	Lawrence High School	<i>The effect of character traits and personality on adolescents serving as mock jurors</i>
		<b>Mark Van Name</b>	Wellington C. Mepham High School	<i>The Nature of Organic Foods: Consumers’ Perceived Knowledge and Purchasing Behaviors of Organic Products in an Inflationary Economy</i>
		<b>Samuel Vitello</b>	Roslyn High	<i>The Effect of Using</i>

			School	<i>Humor, False Accusation, or Decrial of Negativity to Combat Character Attacking Political Attacks</i>
<b>Biochemistry</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>First</b>	<b>Steven Ham</b>	Herricks High School	<i>Exploring the Effects of Nicotine on the Expression of Molecular Compounds Associated with Alzheimer</i>
	<b>Second</b>	<b>Fabian Ortega</b>	Farmingdale High School	<i>The Role of Proteins Critical in Membrane Formation During the Sporulation of the Yeast Saccharomyces cerevisiae</i>
	<b>Third</b>	<b>Michael Commesso</b>	Patchogue Medford High School	<i>The Explanation of 5-Hydroxytryptamine's Gender-Based, Antipodal Response to Endurance Exercise in Humans</i>
	<b>Honorable Mention</b>	<b>Aurora Parlagreco</b>	Wellington C. Mephram High School	<i>Enzymes in Art Conservation and Restoration</i>
<b>Cellular and Molecular Biology/ Microbiology</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>First</b>	<b>Jason Littman</b>	Plainview Old Bethpage JFK High School	<i>The Carcinogenesis and Invasiveness of Hepatocellular Carcinoma with IQGAP2 siRNA Transfection</i>
		<b>Odochi Uwazurike</b>	Lawrence High School	<i>AML1-MTG16 Chimeric Fusion Leads to Myeloid Differentiation Arrest</i>
	<b>Second</b>	<b>Christine Shrock</b>	Ward Melville High School	<i>Effects of Lid Dynamics on the Binding of MDM2 to the Tumor Suppressor Protein p53: Implications for Cancer Therapeutics</i>
		<b>Alexis Tchaconas</b>	Commack High School	<i>A Genetic Investigation of Autism: Silencing RIG Genes in Caenorhabditis elegans Using RNAi</i>
<b>Third</b>	<b>Ankit Shah</b>	Herricks High School	<i>Cytokine Expression of Bone Marrow Mononuclear Cell Seeded Tissue</i>	

				<i>Engineered Vascular Grafts</i>
		<b>Jacob Spiegel</b>	Wellington C. Mepham High School	<i>The Hereditary Basis of Taste: Identification of TAS2R43 Gene</i>
	<b>Honorable Mention</b>	<b>Julia Goldberg</b>	Half Hollow Hills High School East	<i>Expression of C1q Membrane Receptor gC1q-R/p33 on Peripheral Blood Leukocytes</i>
		<b>Bryan Tan</b>	East Islip High School	<i>Modulation of Apoptosis by the Parasite Perkinsus marinus Involves Reactive Oxygen Species</i>
		<b>Catherina Yang</b>	Syosset High School	<i>Characterization of Novel Sigma-2 Receptor Ligands for Cytotoxicity in Tumor Cells</i>
		<b>Alice Yau</b>	Syosset High School	<i>The Effect of Cyclin-Dependent Kinase 5 on Amyloid<math>\beta</math>-42 Toxicity in Drosophila melanogaster</i>
<b>Chemistry</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>First</b>	<b>Preya Shah</b>	Ward Melville High School	<i>Combating Cancer: Design and Synthesis of Dual-Warhead Tumor-Targeting Drug Conjugates</i>
	<b>Second</b>	<b>Katherine Zhu</b>	Plainview Old Bethpage JFK High School	<i>Electrospun PLLA-PEG Multiblock Copolymer For Anti-Adhesion</i>
	<b>Third</b>	<b>Jing Jian</b>	Lynbrook High School	<i>The Effect of Unsaturated Fatty Acid Esters on the Stability of Precorneal Tear Film Lipid Layer in Meibomian Gland Dysfunction Patients</i>
	<b>Honorable Mention</b>	<b>Valentina Semenova</b>	Paul D. Schreiber High School	<i>Light –Induced Water Oxidation Catalyzed by Cobalt Hydroxides Immobilized on Silica Nanoparticles</i>
		<b>Michael Yang</b>	Oceanside High School	<i>Improving Mechanical Properties of Ultra-High Molecular Weight Polyethylene with Ionic Liquid/Carbon Nanofiber</i>

<b>Computer Science/ Mathematical Science</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>First</b>	<b>Jason Gross</b>	Commack High School	<i>An Investigation of the Closure of the Set of Singleton Sets of Natural Numbers under <math>\&amp;\#8746;</math>, <math>\&amp;\#8745;</math>, <math>\&amp;\#8254;</math>, <math>+</math>, <math>\times</math></i>
	<b>Second</b>	<b>Christopher Lando</b>	The Wheatley School	<i>A Theory on Distortions of Unfolded n-dimensional Cubes</i>
	<b>Third</b>	<b>Ronnie Instrella</b>	Oceanside High School	<i>A Case Study on Beal</i>
<b>Earth &amp; Planetary Sciences/ Environmental Management</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>First</b>	<b>Sarah Ditchek</b>	North Shore Hebrew Academy High School	<i>Use of Sea Surface Pressure to Predict Hurricane Path Recurvature</i>
	<b>Second</b>	<b>Joel Goldman</b>	Bellmore John F Kennedy High School	<i>Carbon Dioxide Sequestration in Deep-Sea Sediment: The Potential Applications of Hydraulic Fatigue in Addressing Global Environmental and Energy Challenges</i>
	<b>Third</b>	<b>Jessica Noviello</b>	Smithtown High School West	<i>Morphometric Analysis of Extinct Malagasy Crocodyliform Teeth</i>
	<b>Honorable Mention</b>	<b>Daniel Bornstein</b>	Bellmore John F Kennedy High School	<i>Intercropping Soybeans With Red Clover: An Approach For More Efficient Agricultural Resource Management In Emerging Asia And Sub-Saharan Africa</i>
		<b>Aria Koumourdas</b>	Bellmore John F Kennedy High School	<i>The Development of Site Specific Fresnel Lens and Photovoltaic Cell Systems for Building Integrated Solutions</i>
<b>Engineering: Electrical &amp; Mechanical/ Engineering: Materials &amp; Bioengineering</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>First</b>	<b>Karson Miller</b>	John L. Miller Great Neck North High School	<i>Automated Wired Equivalent Privacy and RC4 Encryption Protection Through 802.11 Wireless Packet Injection</i>
	<b>Second</b>	<b>Neil Patel</b>	Herricks High School	<i>The Mechanical Enhancement of Electrospun Fibers with Polyhedral Oligomeric</i>

				<i>Silsesquioxanes</i>
	<b>Third</b>	<b>Arielle Scardino</b>	Kings Park High School	<i>A Semi-Quantitative Analysis of Mitochondrial Gene Expression in the Caenorhabditis elegans Strain UNC-22</i>
	<b>Honorable Mention</b>	<b>Sharif Vakili</b>	The Wheatley School	<i>The Effect of Laser Therapy on Trombiculid Bite Removal</i>
		<b>Jasmine Varughese</b>	Elmont Memorial High School	<i>Effects of Glutamic Acid, Glycerol and Citric Acid on <math>\gamma</math>-Poly(glutamic acid) Formation by Bacillus licheniformis ATCC 9945a</i>
<b>Energy &amp; Transportation/ Physics and Astronomy</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>First</b>	<b>Glen Meyerowitz</b>	Northport High School	<i>Uncovering Elusive Ultra High Energy Particles: Development of A Method For Cosmic Ray Detection</i>
	<b>Second</b>	<b>Brett Morris</b>	Half Hollow Hills High School East	<i>Examining The Point Spread Function Of A Candidate Charge Coupled Device For The Lsst With An Optical Point Projector</i>
	<b>Third</b>	<b>Jonathan Hanna</b>	West Hempstead High School	<i>Air Currents into Electric Currents: The Automotive Air Flow Powered Battery Charger</i>
	<b>Honorable Mention</b>	<b>Ivan Govea</b>	Brentwood High School	<i>The Efficiency of Group I Alkali Metal Hydroxides on Biodiesel Catalysis</i>
		<b>Emily Weinstock</b>	Paul D. Schreiber High School	<i>Finding the Modes of Electromagnetic Oscillation in a Random Sample</i>
		<b>Yuanchi Zhao</b>	Ward Melville High School	<i>Implementing Thermal Feedback Control of a Helium-Neon Laser for Frequency Stabilization</i>
	<b>Environmental Sciences/</b>	<b>Award</b>	<b>Name</b>	<b>School</b>
<b>First</b>		<b>Amy Van Scoyoc</b>	East Hampton High School	<i>Investigating Epigenetics: Methylation and Pollution-Induced Gene</i>

				<i>Expression in the Invertebrate Dugesia Tigrina</i>
	<b>Second</b>	<b>Korie Bush</b>	Uniondale High School	<i>Fight against Late Blight: Ant Pheromone as a Natural Fungicide</i>
	<b>Third</b>	<b>Samantha Boniberger</b>	West Islip High School	<i>The Effects of Common NSAIDs on Isochysis galbana and Tetraselmis</i>
	<b>Honorable Mention</b>	<b>Nicole Franco</b>	Brentwood High School	<i>Selenite Interaction with Mercuric chloride an Investigation on Uptake and Toxicity in Phytoplankton</i>
<b>Medicine &amp; Health Sciences</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>First</b>	<b>Jourdan Urbach</b>	Roslyn High School	<i>Super Oligodendrocytes: Remyelinating MS Lesions Using Laminin and Immunomodulators</i>
		<b>Stephanie Wang</b>	Roslyn High School	<i>The Novel Property of the Circulating Hormone AM and Its Binding Protein: Neuroprotection in Hypoxia</i>
	<b>Second</b>	<b>Maritza Lagunas</b>	H. Frank Carey High School	<i>Evaluation of Benzalkonium Chloride (BAK) and Phormia regina Peptide Isolates on Ocular Surface Cells via MTT Cytotoxicity Assay</i>
		<b>Winston Waters II</b>	Elmont Memorial High School	<i>The Dominant Negative Effect in VHL-positive cells</i>
	<b>Third</b>	<b>Peter Kahng</b>	Northport High School	<i>A Novel Immunoreactivity Assay for Protective Antigen on Nano-Composite Transdermal Anthrax Vaccine</i>
		<b>Jung Kim</b>	Kings Park High School	<i>The Upregulation of Connexin 43 Expression in Cardiomyocytes Co-cultured with Skeletal Myoblasts or Mesenchymal Stem Cells Utilizing Sodium</i>

	Honorable Mention			<i>4-Phenylbutyrate in Cellular Cardiomyoplasty</i>
		<b>Justin Arnett</b>	Paul D. Schreiber High School	<i>Detecting Glaucoma Most Reliably and Efficiently by Assessing Neuroretinal Concavity</i>
		<b>Brendan Dillon</b>	Bellmore John F Kennedy High School	<i>VEGFR-2 Surface and mRNA Expression Upon VEGF Stimulation of HUVEC</i>
		<b>Vivian Emengo</b>	Sachem High School East	<i>Escherichia coli increases Frequency and Size of Renal Calculi in an in vitro Study of Kidney Stone Formation</i>
		<b>Melis Emre</b>	Paul D. Schreiber High School	<i>Role of Tartrate-Resistant Acid Phosphatase and Cytokines in Gaucher Disease</i>
		<b>Alex Kamath</b>	Chaminade High School	<i>Long-Chain Fatty Acids Regulate IL-6 Induced STAT3 Activation and Chemokine Expression by Endothelial Cells</i>
		<b>William Marsiglia</b>	Sachem High School East	<i>Reduction of Inflammation Increases Regeneration Rate in Lumbriculus variegatus</i>
		<b>Sowmya Sundaresh</b>	Hicksville Senior High School	<i>Apoptosis Effect of Coated Nanoparticles: An Ideal Approach to Target Breast Cancer</i>
<b>Teams</b>	<b>Award</b>	<b>Name</b>	<b>School</b>	<b>Title</b>
	<b>First</b>	<b>Aakash Abbi and Pragya Kakani</b>	Hicksville Senior High School/Jericho High School	<i>A Microarray Based Rna In Situ Hybridization Screen For Novel Cell Adhesion Genes in Cerebellar Basket and Stellate Interneurons</i>
		<b>Hannah Berkowitz and Jackie Bokor</b>	Long Beach High School	<i>The impact of abscisic acid on the sequestration of metals by euglena gracilis</i>
		<b>Cole Blum and Samantha Larsen</b>	Long Beach High School	<i>Sunscreen: A Catch 22 Blocking of the photocatalytic activity of titanium dioxide nanoparticles by</i>



				<i>polymer coating</i>
		<b>Megan Garber, Ashley Khalili and Daniel Younger</b>	North Shore Hebrew Academy High School	<i>Engineering a Chip Based Biosensor for Proteins and Phosphates</i>
		<b>Celline Kim and Esop Baek</b>	Manhasset High School	<i>Evaluating the Effects of Environmental Toxin 4-Nonylphenol and estrogen On U937 Human Immune Cells Using Microarray Analysis</i>
		<b>Peter H. Massey and Shaunak Bakshi</b>	Manhasset High School	<i>The Effects of Long Term Depression on the Development and Progression of Alzheimer's Disease in a Drosophila Model</i>
		<b>Shalini Pammal and Samantha McKenna</b>	Commack High School/ Plainview Old Bethpage JFK High School	<i>Toward Novel Antimicrobial Drug Discovery Targeting Cell Division</i>
		<b>Taryn Wassmer and Jonathan Gillis</b>	Manhasset High School	<i>The Effects of Electric Shock on the Biosynthesis of Plant Secondary Metabolites in Pisum sativum</i>
	<b>Second</b>	<b>Paul Masih Das, Nicholas Mulchan and Rida Malick</b>	Lawrence High School/ Plainview Old Bethpage JFK High School /Lawrence High School	<i>The effect of dental product nanoparticles tio2 and zno on dental pulp stem cells and mc-3t3 osteoblasts</i>
		<b>Danielle Fong and Theodora Efthymiou</b>	Half Hollow Hills High School West	<i>Reactivating muscle cells through the reversal of differentiation</i>
		<b>Sanchita Singal and Lara Fourman</b>	Herricks High School/ Plainview Old Bethpage JFK High School	<i>The Effect of Electric and Magnetic Fields on Protein Self-Organization and Osteoblast Biomineralization</i>
		<b>Jeffrey Yau and Christina George</b>	Manhasset High School	<i>Analysis of Three Airlift Bioreactors to Enhance Energy Yield and Growth of Schizochytrium limacinum and C.reinhardtii</i>

	Third	<b>Jonathan Nachman and Daniel Fourman</b>	North Shore Hebrew Academy High School/Ward Melville High School	<i>Development of a Chemical Mechanism to Stabilize Methane Hydrates and Harness Sub-Ocean Natural Gas Reserves</i>
		<b>Maxwell Plaut and Jaclyn Schein</b>	Rambam Mesivta High School/Hebrew Academy Of Five Towns And Rockaways (HAFTR)	<i>Increasing Polymer Compatibility of Binary and Ternary Polymer Blend Thin Films at Confined Surfaces</i>
		<b>Shane Silpe and Robert Levokove</b>	Long Beach High School	<i>Controlling the navigation of Daphnia magna with the facilitations of magnetic bacteria and magnetic stimuli through a artificial fluid system</i>
		<b>Tobi Simon, Shanna Savignano and Diana Antonio</b>	Manhasset High School	<i>Tobi Simon</i>
		<b>Nabil Ahmed and Rohan Gheewala</b>	Herricks High School	<i>A Novel Application of the CVL for Tissue Welding and Soldering</i>
	Honorable Mention	<b>Rachelle Ludwick and Byron Smith</b>	Half Hollow Hills High School West/Chaminade High School	<i>The Effects of Supercritical Carbon Dioxide and Nanoclays on Tri-Blend Polymer Composites</i>
		<b>Michael Luke and Rohit Khullar</b>	Plainview Old Bethpage JFK High School /Paul D. Schreiber High School	<i>The Role of the Hepatocyte Growth Factor and Interferon Inducible Protein 10 in the Prevention of Preterm Delivery</i>
		<b>Mathew Sabu and Justin Mathew</b>	Elmont Memorial High School	<i>The Effects of Anacardic acids of Pelagronium x hortorum on Acrythosiphon pisum</i>
		<b>Alexander Scaramucci and Nicholas Dipreta</b>	Manhasset High School	<i>Evaluation of Blackhole Mass to AGN Intensity in Selected Spitzer and Radio Telescope Targets</i>
		<b>Solomon Swartz and Esther Lee</b>	North Shore Hebrew Academy High School/Jericho	<i>Sustained release of lidocaine via Thermoresponsive hydrogel and co-axial</i>

			High School	<i>electrospun nanofibers</i>
		<b>Lennie Zhu and Jason Rudin</b>	Half Hollow Hills High School West	<i>Uncovering Interneuronal Genetic Pathways Through Partial Correlation Network Analysis</i>