

***Congratulations to our Siemens Science
Competition semifinalist and regional
finalists!***

Student	High School	Project title
Ketan Agrawal Hari Kothapalli	Columbus Academy, Gahanna, OH The Roxbury Latin School, West Roxbury, MA	<i>Enhancing the Efficiency of PCDTBT:PCBM Bulk Heterojunction Organic solar Cells Through the Use of Ternary Polymer Blends</i>
Katherine Cao Alice Wu William Hu	Homestead High School, Mequon, WI Half Hollow Hills High School West, Dix Hills NY California Saratoga High School, Saratoga, CA	<i>Investigating the Effects of Nanoscale Surface Topography and Cell-Plating Density on the Proliferation and Differentiation of Dental Pulp Stem Cells</i>
Sharon Chao Natalie Tan	Stuyvesant High School, New York, NY Herricks High School, Herricks, NY	<i>The Effects of Titanium Dioxide Nanoparticle Exposure on the Keratinocyte and U937 Cell Susceptibility to Bacterial Infection</i>
Hong-Hsuan Chen Mark Choi	Saratoga HS, Saratoga, CA Mission San Jose High School, Fremont, CA	<i>Effects of electrospun P4VP Fiber Structure and Thin Film Composition on the Biomineralization and Proliferation Rate of Dental Pulp Stem Cells</i>
Jasmin Gao Rose Hong	Northview High School, Johns Creek, GA Del Norte High School, San Diego, CA	<i>Odontogenic Differentiation of Human Dental Pulp Stem Cells on Fibrin Gel Scaffolds for Applications in Regenerative Endodontics</i>
Tzvi Heimowitz Yash Samantaray Aviva Landau	Yeshiva High School for Boys, Woodmere NY Syosset High School, Syosset, NY Yeshiva University High School for Girls, Hollis, NY	<i>Utilizing Gold-Platinum alloy Nanoparticles to Enhance the Performance of a Proton Exchange Membrane Fuel Cell</i>
Thomas Jiang Stefan Wan Justin Wang	Edina High School, Minneapolis, MN School of the Arts, West Palm Beach, FL Irvine High school, Irvine, CA	<i>Optimizing Electrode Catalyst Efficiency and DFT Modeling of CO Oxidation in Proton Exchange Membrane Fuel Cells</i>
Nicolas Zumba Justin Ng	George W. Hewlett High School, Hewlett, NY George W. Hewlett High School, Hewlett, NY	<i>Comparison of Dental Pulp Cells' Response to Different PLA Composites (Molded vs. Printed)</i>
Paul Rhee Yun Jin Woo	Half Hollow Hills High School East, Dix Hills, NY Half Hollow Hills High School West, Dix Hills, NY	<i>Investigating the Role of MoS₂ in Flame Retardant EVA</i>
Rachel Sacks Gila Schein	Hebrew Academy of the Five Towns and Rockaway, Cedarhurst, NY	<i>The Effect of Sulfonated Polystyrene and Graphene Oxide/Reduced Graphene Oxide Functionalized with Gold and Silver Nanoparticles on the Extracellular Matrices of Fetal Bovine and Serum Dental Pulp Stem Cells</i>