**Commack High School**

**Research Class of 2014**

**Zan Asif**

*New Paltz University 7-Year Accelerated Medical Program*

Does a Change in Host Affect the Number of *Melittobia digitata* and/or *Melittobia australica*  Offspring Produced?

**Daniella Azoulay**

*New York University*

A Bioinformatic Approach to Vizualizing and Identifying Conserved Cardiac Developmental Networks

**Stephanie Badir**

*St. John’s University*

New York State Nurses’ Comfort and Knowledge Caring for Students with Diabetes Mellitus: A Cross Sectional Study

**Anthony Bisulco**

*Northeastern University*

The Development of a Practical Notification System to Identify Solar Disturbances

**Christina Cabana**

*Carnegie Mellon University*

The Use of Genetic Spike-in Controls to Quantify Absolute Population Abundances in the Bacterial Microbiome

**Justin Cheung**

*Stony Brook University 8-Year BE/MD Scholars for Medicine Program*

Gold Nanoparticles: The Efficient Synthesis of Catalytically Active Nanoparticles using a One-Pot Method

**Diana Hagedorn**

*Stony Brook University*

An Investigation of the Effects of Variable Diets in *Drosophila melanogaster*

**Hugh Han**

*Johns Hopkins University*

The Effects of El Niño – Southern Oscillation on Precipitation Fluctuation and Extremities in Terrestrial Biomes from 1948–2011, Inclusive

**Greta Huang**

*University of California, Berkeley*

An Investigation of BHBM-Grafted Gold Nanoparticles as Drug Delivery Agents for Treatment of CryptoCOCKosis

**Sarah Lamorte**

*New York University*

Creating a Method for the Detection and Identification of the Unknown Compounds in Resveratol

**Samuel Luber**

*Tulane University*

When is the Cheapest Time to Buy an American Airlines Ticket?

**Marissa Mathew**

*St. John’s University*

Transcription Regulation of miRNA

**Chimdindu Obinero**

*Duke University*

A Study of the Effect of Various Therapeutic Substances on the Neurophysiological Capabilities of *Drosophila melanogaster* of Alzheimer’s disease

**Claire Regan**

*Binghamton University*

The Relationship between the APP Mutation in Alzheimer’s disease and Ethnic and Geographic Factors

**Tracey Rosenlicht**

*Stony Brook University*

Effects of Colored Overlays on Computer Vision Syndrome (CVS): A Comparative Study Through Different Interfaces

**Zachary Shushan**

*University of Delaware*

Does a Change in Host Affect the Number of *Melittobia digitata* and/or *Melittobia australica*  Offspring Produced?

**Rakia Syed**

*Stony Brook University*

The Correlation between Technology Use and Self-Perceived Happiness

**Noah Tollin**

*University of Georgia*

Dispersal of Resistant Bacteria (*Escherichia coli* K-12) among German Cockroaches (*Blattella germanica*)

**James Whittaker**

*Lehigh University*

Modeling an Energy Efficient House Influenced by a Natural Design

**Joshua Zweig**

*Columbia University*

Classification of Abnormalities in 3-Dimensional Mammograms via an Artificial Neural Network