**Commack High School**

**Research Class of 2017**

**Zack Abrams**

Columbia University

*Creation of a Vibratory Speaker for Deaf Users*

“There’s a lot of ways to make money in this world, but I can’t recommend insurance fraud.”
– John Darnielle

**Jung Soo Ahn**

Carnegie Mellon University

*Pitch Memorization in Gender*

“Why you no doctor yet?” - Dad

**Brandon Axelrod**Binghamton University / Cornell University

*Oral Health as Assessed by Xerostomia Status*

“When I'm in a slump, I comfort myself by saying that I believe in dinosaurs, then somewhere, they must be believing in me. And if they believe in me, then I can believe in me. Then I can succeed.”

**Julia Cicalo**University of Maryland

*Do Planaria (Dugesia antillana) Exhibit Place Preference and Addictive Withdrawal Response after exposure to Monosodium Glutamate (MSG)?*

“The worst part about research was the dementors.”

**Gabrielle Cooper**Northwestern University

*Targeting the inhibition of protein-protein interactions using photochemistry*

**Jordan Cooper**University of Chicago

*The Efficacy and Effects of Combined BCL6-BTB and Survivin Inhibition in Diffuse Large B-cell Lymphoma*

**Abbigayle Cuomo**Stony Brook University

*A Study of Westward Recurving Topical Cyclone Tracks in the Atlantic*

**Isabella Rae Daquita**

Rochester Institute of Technology

*The Effects of Cough Medicine on the Aggregation and Mobilization of Planaria*

“Chill amigos, all is well. Let your heart do the smiley emoji.”

**Kyle Dituro**

Worcester Polytechnic Institute

*Cryptography Attack on a Elliptic Curve System*

“I have discovered a truly remarkable joke which this quote is too short to contain.”

**Olivia Dubi**University of Miami

*The Effect of Mental Skills Training on Performance Enhancement and Fears in Gymnasts*

“Sure winning ISSEF is cool but have you ever won Research Karaoke?”

**Jessica Fecht**

North Carolina State University

*Exploring the Function and Development of Insulin-producing cells in Drosophila Melanogaster with the Goal to Improve Diagnosis and Treatment of Diabetes*

**Samantha Gray**

*University at Buffalo*

*The Effect of Cough Medicine on the Aggregation and Mobilization of Planarian*

**Julia Greco**

*Tufts University*

*Exploring the Function and Development of Insulin-Producing Cells in Drosophila melanogaster with the Goal to Improve Diagnosis and Treatment of Diabetes*

“BYOA - Bring Your Own Abstracts.”

**Joshua Hardoon**

Stony Brook University

*Can Different Types of Music Improve Physical Performance Using a Handheld Strength Device?*

**Jessica Hastings**College of the Holy Cross

*Exploring the Function and Development of Insulin-producing cells in Drosophila Melanogaster with the Goal to Improve Diagnosis and Treatment of Diabetes*

“Don’t do IB. It’s a trap.”

**Raymond Janis**American University

*Identifying the Relationship Between California Almond Production and California Drought Conditions*

**Alexa Karadenes**

University of Connecticut

***JATA: A device that tracks stolen and lost devices***

**Christine Kim**Northwestern University

**Helen Koukoulas**

Northeastern University

*The Effect of Cough Medicine on the Aggregation and Mobilization of Planarian*

“Whenever I’m about to do something, I think, “Would an idiot do that?” And if they would, I do not do that thing.”

**Anthony LaSala**

Stony Brook University

*Using Light to Detect Sound*

“Scientists discover the world that exists; Engineers create the world that never was.” – Theodore Von Karman

**Tara McCaffrey**University of Pennsylvania

*JATA: A device that tracks stolen and lost devices*

“It's not science if it works”

**Nicolette McKeon**

Cortland University

*Exploring the Function and Development of Insulin-producing cells in Drosophila Melanogaster with the Goal to Improve Diagnosis and Treatment of Diabetes*

**Jamey Meotti**

Binghamton University

*JATA: A device that tracks stolen and lost devices*

**Kyle Mitra**Duke University

*Identifying the Relationship Between California Almond Production and California Drought Conditions*

**Paul Mokotoff**

Syracuse University

*Urban Heat Islands and Their Effects on Local Environs*

**Kristin Orrach**University of Michigan

**Megan Padgett**

University of Miami

*Do Planaria (Dugesia antillana) Exhibit Place Preference and Addictive Withdrawal Response after exposure to Monosodium Glutamate (MSG)?*

 “If I knew what I was doing, it would not be called research, would it?”

**Kelly Page**University of Michigan

*Do Planaria (Dugesia antillana) Exhibit Place Preference and Addictive Withdrawal Response after exposure to Monosodium Glutamate (MSG)?*

**Charity Russell**Wesleyan University

*Manipulating Odor Driven Behavior in Drosophila melanogaster: A Model to Investigate Gama Aminobutyric Acid Deficiency Disorders*

Sydney Sirota
Stony Brook University

*Judging the Accuracy of a Weather Reanalysis Model: A Comparison with 19th Century Weather Observations*

“Don’t hide from the rain, dance in the storm.”

**Maeve Smart**
Northeastern University
*The Characterization of the Ceramide Synthesis Pathway Responsible for Cisplatin and Doxorubicin Induced Cell Death in MCF-7 Cells*

“I made this list twice. Never lose your research flash drive!!!”

**Maxwell Sugarman**University of Buffalo
*The Effect of ENSO (El Niño Southern Oscillation) on Reservoir Levels in California*

**Justin Tollin**University of South Carolina
*If you're not living life experimenting, why live life at all?*

**Amy Uthup**Hofstra UniversityJATA: A device that tracks stolen and lost devices

“What?? I handed it in last week. You didn’t get it???”

**Elizabeth VanLoon**Seton Hall University
*Urban Heat Islands and Their Effects on Local Environs*

**Jeremy Vlacancich**
University of North Carolina at Chapel Hill
*The Effect of ENSO (El Niño Southern Oscillation) on Reservoir Levels in California*

“If you like water, you already like 72% of me.”

**Ryan von Hof**
Binghamton University
*Development and Analysis of Inorganic Pigment*

**Matthew Wu**University of Southern California
*The Effect of ENSO (El Niño Southern Oscillation) on Reservoir Levels in California*

“I hate…”

**Johann Yang**Cornell University
*Chronic Cadmium Containment of Agricultural Crops in the Hunan and Gansu Provinces and their Potentials for* Developing *itai-itai* Related *Pathologies*

**Tyler Young**Rochester Institute of Technology
*MomDroid- a productivity device*

“It’s always a good time in research.”

**Peter Yu**University of Michigan*Effects of Climate Variability on Glacier Mass*