

SAAWA

Award Ceremony



Sunday May 21, 2017



Science Fair 2017





Anila Midha
Founder & President

SAAWA Executive Board



Aruna Saxena



Bharathi Nelanuthala



Bhavani Srinivasan



Sunita Saini



Prof. Subash Midha
Chairperson, Science Fair



Prof. Suresh Sahni
Chairperson, Judges



Ankoor Talwar

Ankoor is a rising Senior at Union College, Schenectady, NY where he is enrolled in an eight year Leadership in Medicine BA/MD/MBA program. He is currently majoring in Chemistry and Economics. He is passionate about healthcare delivery and health education in communities.

During high school, along with his brother Abhinav Talwar, Ankoor founded a non-profit organization called Global Project Hope Inc. (GPH). The mission for this organization is to promote health and education. GPH members are high school and college students. Over the years this organization has undertaken various health and education projects including ones in Guatemala, India and Haiti (<http://www.globalprojecthope.com>). Most recently, one of their pilot initiatives has been to develop health education curriculum for elementary school children. They created their own health education curriculum and an accompanying work book for elementary school health education. The organization also collaborates with other like-minded organizations to develop volunteer opportunities in healthcare for other students. This year Global Project Hope also collaborated with "CanKids...Kidscan" in India, an organization that supports needy children with cancers and their families.

Ankoor has co-authored children's books "The Children's Garden" and "The Forest Congress" with his brother, as well. The proceeds from these books provided the initial seed money for GPH projects.

Ankoor is an avid reader and a gym nut. In his free time he enjoys travelling, writing, and participating in his school's Bhangra Team.



T hanks

We are grateful to our Supporters, Sponsors and Judges of Science Fair, without whose help we could not have organized Science Fair.

Judges of Science Fair

Dr. Suresh K. Sahni, Dr. Mukesh K. Sahni, Dr. Michael Mule, Dr. Michael Wyrwa

Dr. Sonu Sahni, Dr. Sameer Verma, Dr. Teresa Anthony , Dr. Paul Paino

Dr. Edward Irwin, Dr. Bryant Catano, Dr. Brett Bennington , Dr. Adonis Rivie

Dr. Joseph Cangemi, Dr. Kumkum Prabhakar, Dr. Gail Bennington , Dr. Ramesh Verma,

Dr. Narendra Hadpawat, Dr. Franak Batliwala, Dr. Lisa Runco, Dr. Erin Garland

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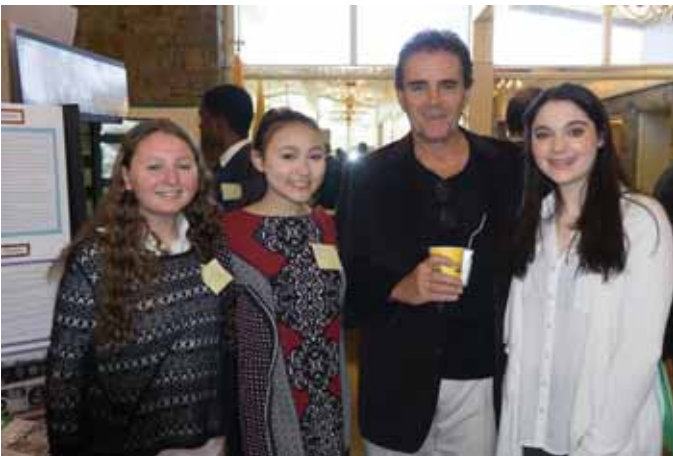
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Photos by Dolly Nanda



Science Fair 2017





SAAWA SCIENCE FAIR 2017 Award Winners

Physics

First Place: \$250

Rushabh Mehta, Syosset High School

Extra radial Muon Orbit Distortion with E821 Beta Function

Second Place: \$150

Rajiv Chanda, Freeport High School

The Relationship between temperature and radius of SX Phe

Third Place: \$100

Christopher Koch, St Anthony High School

The development of an AC Magneto-Optic Kerr Effect Magnetometer to Study Yttrium Iron Garnet Thin Films

Honorable Mention:

Leah Hochman, Freeport High School

What is the Optimal Concentration of Sodium Chloride Required to Produce Nanoparticles of a Specific shape and Size?

Chemistry

First Place: \$250

Molly Donelan, Minneola High School

Designing a subtle approach to indicate the presence of substances in beverages

Second Place: \$150

Seerat Hameed, Freeport High School

Establishing the Parameters to use Mercury in Head Hair as a Biomarker for Neurological Disorders

Third Place: \$100

Ryan Von Hof, Commack High School

Development and Analysis of Inorganic Pigments

Honorable Mention:

Sameen Latif, Frank Carey High School

The effect of high Iron concentrations in Drinking water on chlorine disinfectant systems

Gabrielle Cooper, Commack High School

Photochemical control of protein-protein interactions

Gabriel Lemme, Freeport High School

Procedures for the production analysis and use of super-paramagnetic iron oxide and gold nanoparticles



BEHAVIORAL SCIENCE

First Place: \$250

Vineet Malhotra, Bay Shore High School

A study of Google Classroom efficiency on high school teachers and students

Second Place: \$150

Hannah Graff, St. Anthony High School

An analysis of underlying causes of the underrepresentation of females in STEM undergraduate majors and careers

Third Place: \$100

Nikhil Jaiswal, St. Anthony High School

An analysis of the amount and quality of sleep on social and academic factors

Honorable Mention:

Jacqueline Balestireri & Meghan Fuchsman, St. Anthony High School

An examination of stereotypes in respect to gender and age

Kavya Tangella, Ward Melville High School

Hearing sounds, and the illusion of seeing longer lasting shapes

Honyan Dutt, Bay shore High School

Does colored ink effect test scores?

Biology, Group A

First Place: \$250

Sean Pak, Commack High School

The influence of distance on response times in Ep'ee Attacks in Fencing

Second Place: \$150

Nneka Emeagulali, Elmont High School

The effect of Caffeine on Gamma Amino Butric Acid in LRRK2 Caenorhabditis elegans

Third Place: \$100

Marvia Pressoir, Elmont High School

The effect of cinnamon on parkin deficient caenorhabditis elegans

Jennifer Furman, St. Anthony High School

Cinnamon Oil as a natural and safe pesticide against disease carrying mosquito larvae



Honorable Mention:

Anmol Patel, Minneola High School

Does Bisphenol A, Di-isononyl phtalate, and 4-Hydroxy-4 isopropoxy diphenyl sulfone inhibit the survival and regeneration of Lumbriculus variegatus?

Isabella Legovich, Frank Carey High School

The Effect of Tillandsia Streptophylla on the contribution of air pollution

Jocelyn Pretlow, West Hempstead High School

The effect of music on autistic children

Nerogica Nimaian, Minneola High School

The effect of Hexabromocyclododecane on the development of Artemia Salina

Biology, Group B

First Place: \$250

Jennifer Rakhimov, Kennedy High School

Mitochondria Replacement Therapy in Degenerated Retinal Pigment Epithelial Cells

Second Place: \$150

Sanjana Eranki, Smithtown High School

DNA Demethylation Upregulates Alkaline Ceramidase 2 and Biochire Sphingolipids in Cancer cells

Third Place: \$100

Jordan Cooper, Commack High School

The efficiency and effects of combined BCL6.BTB and surviving inhibition in diffuse large D cell lymphoma

Biology (8th Grader)

Rising Stars Award:

Hadiqa Sandhu, Frank Carey High School

The effect of disinfectant coatings on the growth of E.Coli

Honorable Mention:

Mabel Mathews, Frank Carey High School

The effect of apple cider vinegar on the growth of S. salivarius

Cara Cordova, Frank Carey High School

The effect of Alpha Hydroxy Acids in Yogurt on the moisture of the skin



Environmental Science

First Place: \$250

Safer Shafiq, Frank Carey High School

Removal of Phosphates from contaminated water via chemical precipitation

Second Place: \$150

Lyin Tugbobo, Elmont High School

Augmentation of concrete composite using sheer Thickening fluid

Third Place: \$100

Lauren Munn, Elmont High School

Evaluation of cyanobacterial mixture for bioremediation of crude oil spills

Honorable Mention:

Ethan Abizadeh, North Shore Hebrew Academy

The Effects of Electromagnetic Fields on Fruit Fly Reproduction Rate

Nick Contreras, Freeport High School

The effect of Ultraviolet Radiation and 10-20 nm Gold nanoparticles on the Regeneration of *Lumbriculus variegatus*

Vishwanath Madhavan./ Joseph Strichland, Commack High School

The effects of solar heat on absorption rates using copper and aluminum

Laiba Sandhu, Frank Carey High School

Phyto-remediation of Heavy Metals contamination via *Lemna Minor*

Harpinder Kaur, West Hempstead High School

Does soil competition affect runoff?

SAAWA Rising Star of the year 2017

Rinni Bhansali, Half Hollow Hills High School East

SAAWA Student of the year 2017

Kayva Tangella, Ward Melville High School



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