

Intel ISEF 2013
Special Award Organizations Ceremony
May 16, 2013
Phoenix, Arizona

Society for Science & the Public, in partnership with the Intel Foundation, announced the Special Award Organization winners of the Intel ISEF 2013. Student winners are ninth through twelfth graders who earned the right to compete at the Intel ISEF 2013 by winning a top prize at a local, regional, state or national science fair.

Sigma Xi, The Scientific Research Society

Founded in 1886, Sigma Xi is the international honor society of research scientists and engineers, with a distinguished history of service to science and society. This multi-disciplinary society includes members who were elected based on their research achievements or potential, and historically, more than 200 members have won the Nobel Prize. The Society is pleased to offer awards for the best demonstration of interdisciplinary research.

First Life Science Award of \$ 2,000

EV301 **A Novel Model for Inflammatory Bowel Disease: Using U937 and COLO320DM Cell Lines, to Propose a Pathway by which Environmental Toxin, 4-Nonylphenol, May Promote an Inflammatory Response**

Albert Kim, 17, Manhasset Secondary School, Manhasset, New York
Byeong Ho Jung, 15, Herricks High School, New Hyde Park, New York

Second Life Science Award of \$1,000

ME304 **The Effects of Riluzole and Superoxide Dismutase on ALS *C. elegans* Model Strain AM725**

Karalyn Nicole Pappas, 16, Manhasset High School, Manhasset, New York
Stephanie Ying, 16, Manhasset High School, Manhasset, New York

First Physical Science Award of \$1,500

EN305 **The Rate of Lead (II) Hydroxide Deposition in a Concrete Water Holding Tank: An Investigation of Water Distribution Systems in Third World Countries**

Shujat Ali Khan, 17, East Meadow High School, East Meadow, New York
Shamoon Syed Rizvi, 17, East Meadow High School, East Meadow, New York

MA302 **Simulation of Protein Folding using Monte Carlo Methods in a Triangular Lattice**

Niranjan Balachandar, 16, Shepton High School, Plano, Texas
Nirali Kunjan Thakor, 15, Shepton High School, Plano, Texas

Honorable Mention

EM304 **The Effect of Single-Walled Carbon Nanotubes on Regeneration and Activity of *Dugesia dorotocephala*, Growth of *Chlorella vulgaris*, and Embryonic Development of *Lytechinus variegatus***

Archie Chakming Kong, 16, Manhasset Secondary School, Manhasset, New York

Randy Tung, 16, Manhasset Secondary School, Manhasset, New York

Arthur Wang, 16, Manhasset High School, Manhasset, New York

EV303 **Predicting Earthquakes by Monitoring the Electron Content of the Ionosphere**

Nicolas Javier Marone, 18, Ort Henri Ronson, Ashqelon, Israel

Aviv Rabinovich, 18, Mevoot Hanegev, Kibbutz Shoal, Israel

ME311 **Pancreatic Adenocarcinoma: An Analysis of Drug Therapy Options**

Anvita Gupta, 15, BASIS Scottsdale, Scottsdale, Arizona

Sejal Aggarwal, 16, BASIS Scottsdale, Scottsdale, Arizona

PH312 **The Effects of Temperature on the Index of Refraction of Water**

Charlyn Castro Manuyag, 17, Waipahu High School, Waipahu, Hawaii

Fely Marie Gregorio Magaoay, 18, Waipahu High School, Waipahu, Hawaii