DELAWARE VALLEY SCIENCE FAIRS, INC.

Intel International Science and Engineering Fair 2016 Awards Ceremony
May 13, 2016
Phoenix, Arizona

Society for Science and the Public, in partnership with the Intel Foundation, announced Awards of the Intel International Science and Engineering Fair (ISEF) 2016. Student winners are ninth through twelfth graders who earned the right to compete at the Intel ISEF 2016 by winning a top prize at a local, regional, state, or national fair. This year's Intel International Science and Engineering Fair featured approximately 1,700 young scientists selected from 422 affiliate fairs in more than 75 countries, regions and territories.

Award winners from the Delaware Valley Science Fairs

Biomedical and Health Sciences:

Ralph Ignacio Lawton, 17, 12th Grade, PA Leadership Charter School, West Chester, PA
The Smoking Gun: Toxicological Effects of Electronic Cigarettes on Epithelial Cells using Air Liquid Interface, Year Two.
Grand Award: Second Place - $1,500
Special Award: National Anti-Vivisection Society: First Place - $5,000
Special Award: - MIT – Lincoln Laboratory, Ceres Connection – Lifetime Naming of an Asteroid

Biomedical Engineering:

Michael Zhang, 18, 12th Grade, Conestoga High School, Berwyn, PA
Design and Assembly of CRISPR/Cas9-Based Virus-like Particles for Orthogonal and Programmable Genetic Engineering in Mammalian Cells.
Grand Award: First Place - $3,000
Special Award: National Aeronautics and Space Administration: Third Place - $1,000
Special Award: - MIT – Lincoln Laboratory, Ceres Connection – Lifetime Naming of an Asteroid

Microbiology:

Rachana Mudipalli, 17, 11th Grade, Downingtown STEM Academy, Downingtown, PA
The Identification of ATPase Activity Regulation in Tetrahymena thermophila: Understanding the Function of the Malarial ATP Synthase in Order to Develop New Antimalarials.
Grand Award: Third Place - $1,000

Plant Sciences:

Sophia Edith Swartz, 16, 10th Grade, Central Bucks High School South, Warrington, PA
Molecular-Based Genotyping of Lactuca sativa for Accelerated Genotypic Selection.
Grand Award: Second Place - $1,500
Special Award: - MIT – Lincoln Laboratory, Ceres Connection – Lifetime Naming of an Asteroid

Translational Medical Sciences:

Shayan Daniel Farmand, 16, 11th Grade, Methacton High School, Eagleville, PA
Novel TolC Inhibitors: Computer Aided Drug Discovery for MDR-Conferring Efflux Pumps.
Grand Award: Third Place - $1,000
Special Award: American Association of Pharmaceutical Scientists – Third Place - $500

Anjali Chakradhar, 14, 9th Grade, High Technology High School, Lincroft, NJ
Design and Evalution of Betulin-Based Anti-Cancer Compounds.
Grand Award: Fourth Place - $500
Special Award: American Association of Pharmaceutical Scientists – Fourth Place - $250

Julienne Chaqour, 15, 9th Grade, High Technology High School, Lincroft, NJ
The Effect of the Plant Hormone Abscisic Acid on the Sprouting of Blood Vessels in vitro.
Special Award: American Physiological Society – First Place - $1,500

Mathematics:

Karthik Yegnesh, 16, 10th Grade, Methacton High School, Eagleville, PA
Cosheaf Theoretical Constructions in Networks and Persistent Homology.
Special Award: American Mathematical Society – Certificate of Honorable Mention
Special Award: K. T. Li Foundation – Second Place - $1,000
Special Award: Mu Alpha Theta, Mathematics Honor Society – First Place - $1,500
Special Award: NSA Research Directorate – Second Place - $1,000

Systems Software:

Kunal Varun Singh, 18, 12th Grade, High Technology High School, Lincroft, NJ
Classification of Subtle Morphological Features for Individual Nuclei in Stained Glioma Tissue Slides.
Grand Award: Fourth Place - $500

Since 1949, Delaware Valley Science Fairs, Inc. (DVSF) has stimulated interest in science, technology, engineering and mathematics (STEM) among middle and high school students in the tri-state region. Our vision is to bring parents, teachers and industry together to stimulate and nurture young people so that they can grow and develop into contributing members of the community. DVSF's philosophy is that students learn by doing. They learn how to think, how to identify problems that need to be solved, and to design solutions to those problems.

For more information, visit www.DVSF.org or call
Henry Disston, President and Executive Director, at: 215-895-5840.