



## DELAWARE VALLEY SCIENCE FAIRS, INC.

### **Regeneron International Science and Engineering Fair 2021 Awards Ceremony May 21, 2021 Virtual Fair**

The Society for Science, in partnership with Regeneron Pharmaceuticals, announced the awards of the Regeneron International Science and Engineering Fair (ISEF) 2021. Student winners are ninth through twelve graders who earned the right to compete at the Regeneron ISEF 2021 by winning a top prize at the 2021 Delaware Valley Science Fair. This year's Regeneron International Science and Engineering Fair featured over 1500 young scientists selected from 400 affiliated fairs in more than 80 countries, regions and territories.

### **Award Winners from the Delaware Valley Science Fairs**

#### **Biochemistry:**

**Maya Butani**, 16, 11<sup>th</sup> Grade, Moorestown High School, Moorestown, NJ; *Stem Cell Behavior & Osteogenic Differentiation*

Grand Award: First Place - \$5000

#### **Mechanical Engineering:**

**Arya Tschand**, 18, 12<sup>th</sup> Grade, High Technology High School, Monmouth County, NJ; *Implementation of Novel Semi-Supervised Machine Learning Model into Autonomous Irrigation Network Optimized for Power Self-Sufficiency*

Grand Award: First Place - \$5000

Special Award: US Agency for International Development – Second Award - \$3000

#### **Biomedical and Health Science:**

**Jason Wang**, 16, 11<sup>th</sup> Grade, Germantown Academy, Ft. Washington, PA; *Brain Inflammation Induced by Chronic Sleep Deprivation*

Grand Award: Second Place - \$2000

**Biomedical Engineering:**

**Leo Wylonis**, 16, 11<sup>th</sup> Grade, Conestoga High School, Berwyn, PA; *Novel MRI Compatible Dielectric Pneumatic Servo Motor*

Grand Award: Fourth Place - \$500

Special Award: Association for the Advancement of Artificial Intelligence; Second Award - \$1000.

Special Award: King Abdul Aziz & His Companions Foundation for Giftedness & Creativity - \$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 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.