

**California Science Center**  
**CALIFORNIA STATE SCIENCE FAIR**  
Major Fair Awards – 2017

**Project of the Year Awards**

\$5,000 in the Senior Division, \$2,500 in the Junior Division

**Senior Division:** S2309, Vivek V. Kamarshi

Grade 10, Monta Vista High School, Cupertino, Santa Clara County

Advisor: Mrs. Renee Fallon

Project: Effects of Gut Microbiota on Drosophila Models of Parkinson's Disease

**Junior Division:** J0505, Elisha D. Johnston

Grade 8, Lincoln Middle School, Santa Monica, Los Angeles County

Advisor: Dr. Michael Johnston

The Molecular Mechanisms of Regenerating Cartilage to Reduce Chronic Pain:  
Phenol-Glucose-Glycerin Upregulates FGF-2

**California State Science Fair Student of the Year**

\$1,000 to a student in grade 12 on the basis of his/her project and other activities

S1523, Shalin V. Shah

Grade 12, Tesoro High School, Las Flores, Orange County

Advisor: Dr. Anand Bhatt

Project: Lumos: Automated Smartphone-based Ophthalmic Screening for Glaucoma  
Using Computer Vision and Deep Learning Algorithms

**California State Science Fair Teachers of the Year**

\$2,000 to one teacher in each division who served as advisor for a CSSF project

**Junior Division:**

Elaine Gillum

Thurgood Marshall Middle School

San Diego, San Diego County

**Senior Division:**

Dr. Aidyl Serricchio-Gonzalez

The Buckley School

Sherman Oaks, Los Angeles County

**ISEF Finalists**

Participation in, and all expenses paid for, the Intel International Science and Engineering Fair to be held in Los Angeles, May 14-19.

- S0699, Rohan Mehrotra, grade 11 in Lynbrook High School, San Jose, Santa Clara County
- S1213, Titus M. Patton, grade 12 in Sanger High School, Sanger, Fresno County
- S1607, Maggie S. Chen, grade 11 in Canyon Crest Academy, San Diego, San Diego County
- S1810, the team of Rachel Guo and Justin L. Xie, both grade 11 in The Harker School, San Jose, Santa Clara County, and in Irvington High School, Fremont, Alameda County
- S1915, Alana R. Tessman, grade 11 in Kern Valley High School, Lake Isabella, Kern County
- S2309, Vivek V. Kamarshi, grade 10 in Monta Vista High School, Cupertino, Santa Clara County