

2018 CSEF Special and Recognition Awards

2018 Special Awards

Cheryl Saban Self-Worth Foundation Scholar Prizes – In recognition of the top projects by a female scholar providing a positive impact to her community. One \$1,500 Senior Division award; one \$1,250 Junior Division award. Presented by the Cheryl Saban Self-Worth Foundation for Women and Girls.

Senior Division: S1303, Maggie Chen, San Diego

Junior Division: J0208, Georgia Hutchinson, San Mateo

Herbalife Nutrition Award – For excellence in Microbiology. One \$1,500 Senior Division award. Presented by Herbalife Nutrition.

Award: S1610, Philippe Hansen- Estruch, San Diego

LA BioMed Award for Excellence in Biochemistry and Molecular Biology – For achievement in the field of Biochemistry and Molecular Biology. One \$1,250 Senior Division award. Presented by the Los Angeles Biomedical Research Institute.

Award: S0529, Anthony Y. Zhou, Alameda

Math Teacher's Awards for Achievement – For achievement in mathematics and computer science studies as a tribute and to show appreciation for all mathematics and science teaching professionals. Two Senior Division awards of \$1,250. Presented anonymously.

Mathematical Sciences: S1516, Grant Sheen, Orange

Computational Systems & Analysis: S0808, Lyron Co Ting Keh, Los Angeles

Past Chairpersons' Humanitarian Award – For the project with the highest potential for positive humanitarian impact. One \$1,250 Junior Division award. Presented by past CSEF Chairs, Liz Snyder, Keller Williams Realty, and Hal Snyder, Southern California Gas Company.

Award: J1303, Haya M. Belbese, San Diego

South Coast AQMD Air Quality Awards – For projects that explain measurement or reduction of air pollution and health effects thereof. Two \$1,500 awards, one in each division. Presented by the South Coast Air Quality Management District (SCAQMD).

Senior Division: S1128, Ashley N. Welch and Max Zinkievich, Santa Cruz

Junior Division: J1208, Charles O. Luke, Los Angeles

Southern California National BioGENEius Award – For outstanding research in the biosciences that promotes excellence and enables students to develop original and independent research projects. One \$1,250 Senior Division award and the opportunity to participate in the International BioGENEius Challenge. Presented by the Southern California Biomedical Council (SoCalBio).

Award: S1303, Maggie Chen, San Diego

2018 Recognition Awards

A&WMA Environmental Leadership Awards – For exceptional projects that enhance the knowledge and understanding of environmental issues. Two \$250 Senior Division awards. Presented by the Air and Waste Management Association, West Coast Section.

Environmental Engineering: S1118, Ahmed A. Mohamed, Los Angeles

Environmental Science: S1299, Srinivas Balagopal, Santa Clara

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American Institute of Professional Geologists Geoscience Awards – For excellence in geological science projects. Three place awards of \$250, \$150, and \$100. Presented by the American Institute of Professional Geologists, California Section.

First Place: J1211, Christina Moon, Monterey

Second Place: J0906, Ellery B. McQuilkin, Mono

Third Place: S1205, Scott Cao, Fresno

Biophysics Award – For the best biophysics-related project. One \$100 Senior Division award. Presented by the Biophysical Society.

Award: S1307, Ariel M. Fernandez, Kern

Building Sciences and Architecture Awards – For projects that best promote the advancement of the building sciences and/or architecture. One \$200 Senior Division award; one \$100 Junior Division award. Presented by HTH Architects, LLP.

Senior Division: S0305, Brian Chen and Joever Orillosa, Riverside

Junior Division: J1005, Daisy Z. Ding and Vikas Ramasubban, Santa Clara

California Shore and Beach Preservation Association Best Coastal Science Awards – For achievement in coastal and ocean science. One \$500 Senior Division award; one \$250 Junior Division award. Both awards include student membership in the American Shore and Beach Preservation Association (ASBPA). Presented by the California Shore and Beach Preservation Association.

Senior Division: S1121, Melanie E. Quan, Contra Costa

Junior Division: J0214, Aaron I. McKeeman, San Diego

CAPS Science Achievement Award – For the project that best illustrates good scientific methodology in physics, chemistry, biological sciences, biochemistry, environmental sciences, plant sciences, or energy resources. One \$100 award and plaque for a student in grades 7-11. Presented by the California Association of Professional Scientists (CAPS).

Award: S1204, Amaya M. Bechler, Humboldt

Center for Plant Cell Biology Awards – For scientific achievement in the fields of cell and molecular biology, genomics, bioinformatics, or technology development that will impact our understanding of plant cell biology. Two Senior Division place awards of \$500 and \$100; both awards include an invitation to the Annual CEPCEB Award Symposium at the University of California, Riverside. Presented by the Center for Plant Cell Biology, UC Riverside.

First Place: S1915, Alina V. Pollner, San Diego

Second Place: S1904, Anthony J. Castillo, Los Angeles

Clinical Chemistry Awards – For interesting and original projects that impact the future of clinical chemistry. Three \$200 awards in each division. Presented by the American Association for Clinical Chemistry (AACC), Southern California Chapter.

Senior Division, Biochemistry/Molecular Biology: S0509, Allen Huang, San Diego

Senior Division, Chemistry: S0614, Ananya Karthik, Santa Clara

Senior Division, Toxicology: S2210, Anshul Narain, Fresno

Junior Division, Biochemistry/Molecular Biology: J0502, Lakshman S. Athappan, Orange

Junior Division, Chemistry: J0609, Isabella V. Hanck, Contra Costa

Junior Division, Toxicology: J2205, Lola Castorina, Los Angeles

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Director's Award for Most Innovative Alternative Energy Project – For the project that incorporates the most innovative alternative energy concept and usage. One \$100 Junior Division award in the Alternative Energy category. Presented by Bob Anderson, CSEF Director of External Awards.

Award: J0210, Alexis MacAvoy, San Mateo

Doctors Sushila and Chandni Kar Award – For excellence in original ideas and scientific thinking, passion for a career in healthcare field, in-depth knowledge, and presentation of the science project. Two \$500 Senior Division awards. Presented by the Sheila Kar Health Foundation.

Senior Award: S0527, Alexander B. Vu, Santa Clara

Senior Award: S0515, Nitya Mehrotra, Orange

KGI School of Pharmacy Awards – KGI PharmD Award for the project that best demonstrates innovation in the exploration of commercial and real-world consumer products in the Junior Division; KGI Explore Pharmacy Award for the project that best demonstrates excellence in the field of toxicology in the Junior or Senior Division. Each award is \$200. Presented by the Keck Graduate Institute School of Pharmacy.

PharmD Award: J2003, Harrison J. Cameron, San Bernardino

Explore Pharmacy Award: S2212, Angelina E. Stone, Fresno

Math Teacher's Award for Achievement – For achievement in mathematics and computer science studies as a tribute and to show appreciation for all mathematics and science teaching professionals. One \$250 Senior Division award. Presented anonymously.

Computational Systems & Analysis: S0819, Alice Martynova, Santa Clara

Plug In America EV Excellence Awards – For the best projects demonstrating the benefits of plug-in vehicles or advancing the science of vehicle electrification or electric mobility. One \$200 Senior Division award; one \$100 Junior Division award. Presented by Plug In America.

Senior Division: S1007, Jonathan Ko and Abhi Upadhyay, Alameda

Junior Division: J1202, Noah M. Cain, San Bernardino

South Coast AQMD Air Quality Awards – For projects that explain measurement or reduction of air pollution and health effects thereof. Two Honorable Mentions, one in each division. Presented by the South Coast Air Quality Management District (SCAQMD).

Senior Division: S1299, Srinivas Balagopal, Santa Clara

Junior Division: J1205, Fiel Gamed, Fresno

SoCalBio R&D Scholar Awards – For outstanding research in the biosciences that promotes excellence and enables students to develop original and independent research projects. Five Honorable Mentions. Presented by the Southern California Biomedical Council (SoCalBio).

Honorable Mention: S0509, Allen Huang, San Diego

Honorable Mention: S0516, Kalyan Nath, Orange

Honorable Mention: S0525, Julia Situ, San Diego

Honorable Mention: S2203, Hunter C. Crawford- Shelmadine, San Mateo

Honorable Mention: S1303, Maggie Chen

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SPIE Optics and Photonics Recognition Awards – For the projects best demonstrating scientific research and engineering applications in optics, photonics, and related fields. Three Senior Division place awards of \$900, \$600, and \$500, and three Junior Division place awards of \$250, \$150, and \$100. Presented by SPIE, the International Society for Optics and Photonics.

Senior Division, First Place: S0615, Juwon Lee, Orange

Senior Division, Second Place: S1815, Grady P. Morrissey, Los Angeles

Senior Division, Third Place: S1504, Guadalupe Bernal, Sacramento

Junior Division, First Place: J1911, Sina S. Kassayan, San Mateo

Junior Division, Second Place: J0806, Saurav S. Gandhi, Santa Clara

Junior Division, Third Place: J0804, John Benedict A. Estrada, Fresno

UCLA Brain Research Institute Awards – For research achievement, innovation, and interpretation in any area related to the brain in health or sickness. Three place awards in each division of \$250, \$100, and \$50. Presented by the UCLA Brain Research Institute (BRI).

Senior Division, First Place: S0812, Lan Jiang, Orange

Senior Division, Second Place: S1023, Michelle Y. Zhu, Santa Clara

Senior Division, Third Place: S0507, Eden Z. Deng, San Diego

Junior Division, First Place: J0322, Vishnu Matta and Ayush Sheth, San Joaquin

Junior Division, Second Place: J0803, Iliana Close and Keira Swei, San Mateo

Junior Division, Third Place: J0708, Akhilesh Cheggu and Deven Shah, Santa Clara