
The American Chemical Society

Founded in 1876 and chartered by Congress, the American Chemical Society is the world's largest scientific society. It is a self-governed individual membership professional organization consisting of 154,000 members, representing a wide range of disciplines of chemists, chemical engineers, and technicians.

The organization seeks to promote the public's perception and understanding of chemistry and the chemical sciences through public outreach programs and provides career development assistance and employment opportunities for science professionals.

The Orange County ACS Section has over 1400 members, and holds 8 general meetings and dozens of committee meetings each year. Along with supporting the Science and Engineering Fair, the Education Committee of Orange County ACS has testing and awards programs for high school and college chemistry students, and demonstrations and activities for elementary children in the fall and spring.

Event Hosts

AirUCI, located at the University of California, Irvine, is a multidisciplinary environmental research group that is dedicated to understanding and solving critical issues relating to air pollution, water quality, climate change, and green technology - from local to global scales.

To achieve these ambitious goals, our world-renowned team has come together to form an integrated group of researchers from the school of Physical Sciences, the school of Medicine, and the school of Engineering whose focus is to elucidate the fundamental science and impacts of pollution, energy, and climate change and their effects on human health, society, and the planet.

Orange County Section 2015-2016 Officers

Chair	Dr. Sandra Thompson	Treasurer	Robert Cohen
Past Chair	Dr. Michael Kleinman	Councilors	Dr. Rabin Lai
Secretary	Dr. Sangeeta Dey		Robert Cohen Sanda Sun

2015-2016 Chemical Education Committee

Dr. Carol Grimes, Chair	Judy Bechtold	Dr. Allison Gotoh
Mark Hamamura	Stacey Hamamura	Tim Jones
Dr. John Kenney	Dr. Renee Link	Alison Loeper
Dr. Ted Lorance II	Kim Ngo	Stephanie Nobles
Shannon Regli	Dr. Terri Speakman	Sanda Sun
Brent Shenton	Mike Tran	Helen Wagner

The Orange County ACS section and Mrs. Bruce Davis sponsored the student winners for the dinner and all cash awards. Funding for the teachers' dinners and for the school plaques by the Orange County ACS section. Medallions for the Olympiad team, Davis, and Carlberg Awards sponsored by Margaret Carlberg.

American Chemical Society

Orange County Section



ACS
Chemistry for Life®

High School Awards Program

University of California, Irvine

May 24, 2016

Welcome

Dr. Rabin Lai

Councilor, Orange County ACS

Dr. Sergey Nizkorodov

AirUCI

Brent Shenton

Chemistry Olympiad Program Chair

Master of Ceremonies

Italian Buffet

with dessert and beverages

Speaker

Mary Arrastia

CalTech Doctoral Candidate

The Chemical Chronicles:

The Story of How Small-Scale Research

Can Lead to Large Opportunities

Awards

Orange County Science Fair

First Year Chemistry Team Awards

Bruce Davis Award

Chemistry Olympiad Team Awards

National Chemistry Olympiad Participants

Margaret Carlberg Award

Olympiad Study Camp Participants

Top Students for First Year & Olympiad

Closing

Student	Teacher	School
June Ho Park	Brent Shenton	Valencia
Terrence Lee	Gwen Corbett	Villa Park
Ubaldo Lopez	Corina Durrego	Western
Regina Ngo	Matthew Cain	Westminster
Min Hyuk Kim	Mike Antrim	Woodbridge

The top student from each school has their name engraved on their school's perpetual plaque.

Margaret Carlberg Award

Sharleen Loh Troy High School

The Education Committee of OCACS is proud to honor the service of Margaret Carlberg to students and to ACS by creating this special award. It is given each year to the top Chemistry Olympiad student, based on the scores for the first Olympiad exam each year. Margaret has helped shape the lives of many students as a chemistry teacher for both first year and AP chemistry at Cornelia Connelly High School, and served as chair of the Education Committee for 14 years. In 2005 she received the Charles Bennett award from our local section for service to "the wonderful world of chemistry" (Margaret's favorite phrase).

The Chemistry Olympiad Team Competition

The Team Competition Award is given to the top six school teams from the Chemistry Olympiad Local Exam Competition. Team scores were calculated based on the total number of questions answered correctly for all competitors from each school. This year's winners are:

First Place **Troy High School**

Sharleen Loh, Timothy Li, Mike Bao, Emily Peng

Second Place **Valencia High School**

June Ho Park, William Soong, Meghan Wang, Nien-Shuan Chou

Third Place **Arnold O. Beckman High School**

Daeseong Hwang, Jennifer Pan, Justin Cheng, Joshua Park

Fourth Place **University High School**

Jonathan Huang, Jason Ye, Anna Pan, Priyan Sathianathan

Fifth Place **Northwood High School**

Carolyn Hu, Annie Gao, Jensen Gao, Lillian Zhu

Sixth Place **Woodbridge High School**

Min Hyuk Kim, Michael Tram, Celine Chen, Mitchell Lee

Top Chemistry Olympiad Student for each Participating School

Student	Teacher	School
Daeseong Hwang	Michael Tran	Beckman
Alex Huang	Wade Cormier	Brea Olinda
Brian Chao	Manar Chaaban	Capo Valley
Nabeeha Khan	Helen Wagner	Cornelia Connelly
Xueer (Sherry) Liang	Heidi Newman	Crean Lutheran
Minsu Jung	Patty Brunet	Cypress
Lauren Ivory	Kristine Clarke	Dana Hills
Sahil Telang	Susan Ballard	Edison
Christine Nguyen	Nicole Britigan	El Toro
Campbell Gorlinski	Gypsy Biller	Foothill
Anet Alvarez	Marie-Claire Siddall	Godinez
Che-Yu Lee	Neetu Lal	Irvine
Nathan Chao	Cristina Robitu	John F. Kennedy
Nicolas Vidas	Steve Sogo	Laguna Beach
Robert Capp	Tim Jones	Los Alamitos
Albert Luu	Rana Moore	Marina
Sarth Shah	Daryl Fukuda	Mission Viejo
Carolyn Hu	Judie Persons	Northwood
Jooyoung Ro	Dennis Lin	Orange Lutheran
Jennifer Choi	Justin Fournier	Oxford Academy
Charlie Nguyen	Adrian Fernandez	Pacifica
Yinong Dong	Erin Lurker	Saddleback Valley
Matthew Liu	Kerry Langdale	Sage Hill
William Hirsh	Greg Young	San Clemente
Brendan Gibson	Brenda Oldroyd	San Juan Hills
Natali Pacheco	Dr. R. Shaefer	Santa Ana
Connor Cassidy	Robyn Swancoat	Servite
Charles Smith	Andrea Chou	St. Margaret's
Xingchen Yu	Andrew Colomac	Sunny Hills
Vinya Bhuvan	Megan Leiva	Tesoro
Kush Attal	Stacey Hamamura	Trabuco Hills
Sharleen Loh	Shannon Regli	Troy
Lizzeth Rocha	Abbey Zinsser	Tustin High School
Jonathan Huang	Shannon Bunch	University

Science Fair Winners

Junior Division — Miranda Nicusanti, Fairmont School, Anaheim, “Catalase – Destroyer of O₂ Radicals”; Teacher John Briner

Senior Division — Cassandra Man, Woodbridge High, Irvine, “The Effect of Visible Light Irradiation on Photocatalyst-mediated Decolorization of Crystal Violet in Wastewater”; Teacher Mike Antrim

National Chemistry Olympiad Exam Participants

Student	Teacher	School
Junyu Yang	Shannon Regli	Troy
Benjamin Nguyen	Brent Shenton	Valencia
Sharleen Loh	Shannon Regli	Troy
Timothy Li	Shannon Regli	Troy
June Ho Park	Brent Shenton	Valencia
Daeseong Hwang	Michael Tran	Beckman
Jennifer Pan	Michael Tran	Beckman
Jonathan Huang	Shannon Bunch	University
Alex Huang	Wade Cormier	Brea Olinda
Bonnie Huang	Nicole Britigan	El Toro
Curtis Beck	Neetu Lal	Irvine
Carolyn Hu	Judie Persons	Northwood
Sahil Telang	Susan Ballard	Edison

Order based on March 12, 2016 Local Olympiad test score with 141 students participating. Maximum two students per school as outlined in national rules.

Special Thanks to...

Dr. Barbara Finlayson-Pitts, and Dr. Sergey Nizkorodov, AirUCI and Melissa Sweet, Project Events Coordinator, UC Irvine, for hosting the awards dinner, Dr. Richard Deming, CSU Fullerton, for hosting the First Year test, Dr. Ted Lorange, Vanguard University, for hosting committee meetings and Olympiad tests, preparing certificates for all our awards, handling online registration, and judging the Orange County Science Fair, Sanda Sun, Irvine Valley College, for coordination of the First Year Exam, Dr. Glenn Roquemore, Irvine Valley College, for hosting the Chemistry Olympiad test, Brent Shenton, Valencia HS, for coordination of the Chemistry Olympiad exams, Helen Wagner, Connelly HS, and Stacey Hamamura, Trabuco Hills HS, for coordinating the dinner planning, arrangements, reservations, and decorations, Dr. Rabin Lai for arranging online registration and reservations, Tim Jones, Los Alamitos HS, for coordinating the awards, Dr. Terri Speakman, Golden West College, for producing the program, And the entire Orange County ACS Education Committee, for your commitment to encourage chemistry students throughout the county.

Top First Year Chemistry Student for each Participating School

Student	Teacher	School
Isidore Hu	Mitali Dutta	Acaciawood Prep
Omar Ocegueda	Alison Loeper	Anaheim
Younjin Song	David Kim	Beckman
Douglas Johnson	Sara Bottalico	Brea Olinda
Amanda Lee	J Holland	Brethren Christian
Nathaniel Martinez	Brandon Usami	Calvary Chapel
Christian Grevin	Allison Der	Canyon
Zixuan (Sophie) Song	Helen Wagner	Cornelia Connelly
Harrison Dill	Kim Ngo	Corona Del Mar
Tara (Seoyeon) Kim	Ms. Moore	Cypress
Owen Kao	Norm Townsend	Dana Hills
Jad El-Jurdi	Matthew Brutlag	Edison
Ana Conrado	Stephanie Shirey	El Dorado
Dylan Chao	Tse	El Toro
Chelsea Leann Martin	Cristina Robitu	John F. Kennedy
Christine Zhou	Kilduff	Junipero Serra
Teresa T. Hoang	Suarez	Katella
Danae Christerson	Lezlie Matsuyama	La Habra
Benjamin Sharp	Steve Sogo	Laguna Beach
Jonathan Shiba	Shereen Awad	Los Alamitos
Daisy Frias	None given	Magnolia
Madeline Chau	Murphy/Moore	Marina
Thomas Stubbs	Daryl Fukuda	Mission Viejo
Karene Kwok	Cathleen Zeleski	Northwood
Kayley Ord	Fuschetti	Ocean View
Xochitl Luna	Heather Jonson	OC School of the Arts
Ryan Pauley	Mrs. LeVoit	Oxford Academy
Jerlene Hsueh	Young Lee	Pacifica
Annie Pham	Mr. Than	Rancho Alamitos
Anh-Vy Phan	Juliana Morgan	Saddleback
Bryce Laxson	Valarie Broadhead	Saddleback Christian
Nicole Dai	Mr. Langdale	Sage Hill School
Alex Pax	Riem	San Clemente
Declain Hayworth	Hall	San Juan Hills
Brandon Rivera	Ric Jara	Santa Ana
Sophia Cao	None given	Santa Margarita
Andrei Avalos	Liliana Garcia	Savanna High School
Octavio Landin	Annie Espinosa	Segerstrom
Jakob Decano	Robyn Swancoat	Servite
Andrew Vollero	Andrea Chou	St. Margaret's
Roger Truong	Colomac	Sunny Hills

Student	Teacher	School
Daniel Ortega	Christina Parker	Tesoro
Karina Akers	Jay Camiling	Trabuco Hills
Alexander Tsao	Steve Gower	Troy
Shannimarie De La Cruz	Zinsser	Tustin
Phil Chen	Valerie Thompson	University
Aayush Somani	Brady Bilhartz	Valencia
Jehan Ezzulddin	C Durrego	Western
Thanh Ha Nguyen	None given	Westminster
Amy Van Ee	Crystal Cooper	Woodbridge

Based on April 23, 2016 performance with 325 students participating. The top student from each school has their name engraved on their school's perpetual plaque.

Bruce Davis Award

Phil Chen..... University High School

The Orange County Section has created a special award in honor and memory of Dr. Bruce Weldon Davis, to recognize excellence in chemistry. It is given to the student with the highest score on the First Year Orange County ACS test. Dr. Davis' positive outlook on life, his compassion for all people, his professionalism, his excellence in science and his recognition of education as the essential ingredient in success have shaped the activities of our section for many years.

The First Year Chemistry Team Competition

The Team Competition Award is given to the top six school teams from the First Year Chemistry Exam Competition. Team scores were calculated based on the total number of questions answered correctly for the top five competitors from each school. This year's winners are:

First Place **Troy High School**

Lydia Chan, Alexander Tsao, Jarred Allen, Matthew Tran, Austin Sun

Second Place **Valencia High School**

Aayush Somani, William Chung, Junil Kim, Chanson Zhao, Ashwin Bhupathy

Third Place **University High School**

Phil Chen, Yunyang (Jack) Sun, Peter Bota, Shiyuan Guo, Alexander Ma

Fourth Place **Orange County School of the Arts**

Xochitl Luna, Louis Primeau, Andrew Courtney, Madeline McCanne, Justin Lin

Fifth Place **Arnold O. Beckman High School**

Younjin Song, Tristan Weaver, Michelle Xu, Rajan Saini, Erik Chen

Sixth Place **Mission Viejo High School**

Benjamin Pang, Thomas Stubbs, Daniel Zoleikhaeian, Eric Tangeman, Samantha Whalen