
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 151,000 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 1000 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.

Orange County Section 2021-2022 Officers

Chair	Dr. Rabin Lai
Chair-Elect	
Secretary	Beverly Matsuda
Treasurer	Robert Cohen
Councilor	Robert Cohen
	Sanda Sun
	Dr. Rabin Lai

2021-2022 Chemical Education Committee

Dr. Carol Grimes, Chair	Judy Bechtold	Brady Bilhartz
Andrea Chou	Crystal Cooper	Dr. Richard Deming
Dr. Allison Gotoh	Dr. Mark Hamamura	Stacey Hamamura
Tim Jones	Linda Kazibwe-Jones	Dr. John Kenney III
Manjima Khandelwel	Theodore Kidane	Justin Kim
Heather Kroeger	Dr. Renee Link	Alison Loeper
Dr. Ted Lorance	Bev Matsuda	Kim Ngo
Stephanie Nobles	Huy Nguyen	Dr. Steven Nguyen
Shannon Regli	Anie Robinson	Brent Shenton

The Orange County ACS section sponsored the student winners for the dinner and all cash awards. Funding for the teachers' dinners and for the school plaques provided 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

Concordia University, Irvine

May 17, 2022

Welcome

Dr. Rabin Lai

Chair, Orange County ACS

Dr. John Kenney – Concordia University

Professor of Chemistry

Dr. Carol Grimes – Golden West College

OCACS Education Committee Chair

Master of Ceremonies

Italian Buffet

with dessert and beverages

Speaker

Heriberto Flores Zuleta

UCI Doctoral Candidate

“Finding my Potential through Chemistry
and Graduate School ”

Awards

Orange County Science Fair Winners

First Year Chemistry Team Awards

Chemistry Olympiad Team Awards

National Chemistry Olympiad Participants

Bruce Davis Award

Margaret Carlberg Award

Top Students for First Year & Olympiad

Closing

Margaret Carlberg Award

Nathan Ouyang University 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 **University High School**

Yufei Chen, Chunyi Zhou, Julianne Wu, Alissa Kopylova

Second Place **Sage Hill High School**

Clifford Jin, Sophia Chen, Gabriel Tsai, Ryan Anthony Nguyen

Third Place **Troy High School**

Jerry Song, Austin Park, Melinda Ji, Henry Tang

Fourth Place **Valencia High School**

Lauren Mirhan, Kayla Cheung, Allison Mirhan, Dylan Mirhan

Fifth Place **Los Alamitos High School**

Juan Carrion, Gabriel Mee, Katelyn Ngo, Zachary Zonni

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

Nathan Tatsuta, Sarah Parigela, Shayna Kaplan

Top Chemistry Olympiad Student for each Participating School

Student	Teacher	School
Joelle Kim	Michael Tran	Arnold O. Beckman
Jason Chon	Brian Brierly	Canyon
Zach Dell	Huy Nguyen	Capistrano Valley
Ashley Tsai	Mitch Schacht	Crean Lutheran
Jimin Kim	Sara Moore	Cypress
Wylie Cleugh	Susan Ballard	Edison
Jonathan Chi	Michael Lee	El Toro
Jason Simon	Bob Varnold	Fairmont Preparatory
Minh Tri Do	Beverly Lynch	Garden Grove
Juan Carrion	Tim Jones	Los Alamitos
Joliet Nguyen	Lauren Murphy	Marina
Nicholas D'Sa	Trish Tillotson	Mater Dei
Nathan Tatsuda	Heather Jonson	OCSchool of Arts
Sarah Li	Shirley Tran	Oxford Academy
Joshua Sandoval	Hana Lim	Pacifica
David Kim	Meghan Truax	Portola
Clifford Jin	Anie Robinson	Sage Hill
Anthony Romero	Terry Hsia	Santa Ana
Nicholas Dorgan	Carly Gordon	Santa Margarita
Travis Nguyen	Lan Vu	Segerstrom
Rishabh Mallela	Andrea Chou	St. Margaret's
Nathan Wei	Annie Yu	Tesoro
Jerry Song	Justin Kim	Troy
Nathan Ouyang	Nicholas Brighton	University
Lauren Mirhan	Brady Bilhartz	Valencia
Amber Peng	Crystal Cooper	Woodbridge

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

Science Fair Winners

Junior Division — Catherine Chen, Santiago Elementary School, "Revealing Hidden Colors in Your Candy"; Advisor Ms. DeMarco

Senior Division — Anh Tran, Khanh Duong & Jayden Chow, Westminster High School, "Using Microbial Fuel Cell to Test Energy Production of SCOBY Fermentation Microbes"; Advisor Mr. Pham

National Chemistry Olympiad Exam Participants

Student	School	Teacher
Nathan Ouyang	University	Nicholas Brighton
Yufei Chen	University	Nicholas Brighton
Clifford Jin	Sage Hill	Anie Robinson
Nicholas D'Sa	Mater Dei	Trish Tillotson
Grace Zhou	University	Nicholas Brighton
Sophia Chen	Sage Hill	Anie Robinson
Arjun Patel	Troy	Justin Kim
Jerry Song	Troy	Justin Kim
Nathan Wei	Tesoro	Annie Yu
Juan Carrion	Los Alamitos	Timothy Jones
Lauren Mirhan	Valencia	Brady Bilhartz

Order based on March 5, 2022 Local Olympiad test score with 101 students representing 26 different county high schools participating. Maximum two students per school as outlined in national rules unless a school had a student attend the National Study Camp in a prior year. That student would not count against a school's quota.

Special Thanks to...

The chemistry department of CSU Fullerton, for hosting the First Year exam.

Concordia University and Dr. John Kenney for hosting the Awards Dinner.

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. John C. Hernandez, Irvine Valley College, for hosting the Chemistry Olympiad test,

Brent Shenton, Valencia HS, for coordination of the Chemistry Olympiad exams,

Carol Grimes, Golden West College, *Stacey Hamamura*, Trabuco Hills HS, and Anie Robinson, Sage Hill School, for coordinating the dinner planning, arrangements, reservations, and decorations,

Dr. Rabin Lai for arranging online registration and reservations,

Kim Ngo, Corona del Mar HS and *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
Claire Park	David Kim	Arnold O. Beckman
Minjun Kim	Mary Grigoli	Brea Olinda
Timothy Tran	Brian Brierly	Canyon
Lauren Gin	Kim Ngo	Corona Del Mar
Felix Tran	Margaret Kim	Cypress
Ethan Yagisawa	Ken Tse	El Toro
Sol Park	Dean Wang	John F. Kennedy
Adela Song	Jan Kilduff	JSerra Catholic
Jacob Leung	Lauren Helm	Los Alamitos
Tri Huynh	Katalin Voragen	Magnolia
Giana Ortenzo	Lauren Murphy	Marina
Emma Quirk	Darryl Fukuda	Mission Viejo
Helaine Zhao	Heather Jonson	OC School of the Arts
Bill Bach	Victoria Vi	Pacifica
Zara Hommez	Jeralyn Newton	Portola
Jiaming (Alen) Zhang	Kerry Langdale	Sage Hill
Brianna Cerna	Ricardo Jara	Santa Ana
Ashley Cheng	Carly Gordon	Santa Margarita Catholic
Jordon Bergmann	Lan Vu	Seegerstrom
Andrew Rusli	Andrea Chou	St. Margaret's Episcopal
Abubakr Elmallah	Kevin Waegner	Trabuco Hills
Shuoyan Chen	Justin Kim	Troy
Kristine Lu	Tinh Tran	University
Hannah Chu	Brady Bilhartz	Valencia
Kate Verhagen	Crystal Cooper	Woodbridge

Based on April 23, 2022 exam with 101 students from 25 schools participating. The top student from each school has their name engraved on their school's perpetual plaque.

Bruce Davis Award

Shuoyan Chen..... Troy 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**

Shuoyan Chen, Chris John, Reagan Hsu, Alexander Lee, Cloris Shi

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

Helaine Zhao, Melody Wu, Joseph Ho, Sohun Shin, Elise Park

Third Place **University High**

Kristine Lu, Ananya Karthikeyan, Ziyang Fang, Annie Qu, Wendy Cao

Fourth Place **Sage Hill School**

Jiaming (Alen) Zhang, Katelyn Gan, Ryne Wang, Jacob Lynn, Aidan Zhang

Fifth Place **Valencia High School**

Hannah Chu, Saebyeok Keum, Alicia Ma, Everett Anderson, Kelsey Allison

Sixth Place **Portola High School**

Zara Hommez, Aditya Mahesh, Nilan Narenthiran, Jeremy Chae, Siya Mishra