

American Chemical Society

Orange County Section



High School Awards Program

Concordia University, Irvine

May 17, 2023

Welcome

Dr. Rabin Lai

Chair, Orange County ACS

Dr. Carol Grimes – Golden West College

OCACS Education Committee Chair

Master of Ceremonies

Italian Buffet

with dessert and beverages

Speaker

James Griffin

UCI Doctoral Candidate

“Resisting resistance: How do academic
researchers design the future of antibiotics? ”

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

Orange County Chemistry Teacher of the Year

Top Students for First Year & Olympiad Tests

Closing

Science Fair Winners

Junior Division — Jiayou Liu, Turtle Rock Elementary School, “Crying Over Spilled Water”; Advisor Ms. Angel

Senior Division — Jay Ananth, Troy High School, “Evaluating Optimal Lipophilicity in Ligand-Receptor Complexes”; Advisor Mr. Kirkpatrick

National Chemistry Olympiad Exam Participants

<u>Student</u>	<u>School</u>	<u>Teacher</u>
Yufei Chen	University	Tim Smay
Sophia Chen	Sage Hill	Anie Robinson
Feodor Yevtushenko	University	Joseph Huber
Nolan Nguyen	Edison	Marcos Cabrera
Ryan Nguyen	Tesoro	Nate Ritscher
Shuoyan Chen	Troy	Justin Kim
Austin Park	Troy	Justin Kim
Victor Li	University	Nicholas Brighton
Daniel Li	Los Alamitos	Timothy Jones
Andrew Rusli	St. Margaret's	Andrea Chou
Helaine Zhao	Pacific Academy	Tien (Andy) Luong

Order based on March 4, 2023 Local Olympiad test score with 165 students representing 37 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 for hosting the Awards Dinner,

Dr. Ted Lorange, Vanguard University, for hosting 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,

Dr. 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 their commitment to encourage chemistry students throughout the county.

**Top First Year Chemistry Student
for each Participating School**

Student	Teacher	School
Swaroop Kamble	Michael Tran	Arnold O. Beckman
Sahar Tanara	Brian Brierly	Canyon
Luke Maillefer	Jarrett Tossey	Capistrano Valley
Jack Li	Kim Ngo	Corona Del Mar
Hannie Lee	Sara Moore	Cypress
Charlotte Barkehanai	Ken Tse	El Toro
Matthew Hoang	Erica Kelley	Esperanza
Jennifer Nguyen	Jason Oda	Garden Grove
Seomin Kwak	Jay Cassity	Irvine
Jadon Malvar	Dean Wang	John F. Kennedy
Spencer Bystron	Becky Nadell	Los Alamitos
Ethan Lopez	Micah You	Middle College
Rowan Weiss	Darryl Fukuda	Mission Viejo
Dane Bergman	Heather Jonson	OC School of the Arts
Joshua Jang	Shirley Tran	Oxford Academy
Aarnav Yedla	Leanne Jimenez	Portola
Adrian Zhang	Dan Thomassen	Sage Hill
Ryan Valdez	Michelle Riem	San Clemente
Adam Hirsch	Laura DiCrisi	Servite
Claire Martin	Andrea Chou	St. Margaret's Episcopal
Celerina Lee	Andrew Colomac	Sunny Hills
Emma Gaon	Shannon O'Malley	Tesoro
Colin Kerns	Kelli Gaines	Trabuco Hills
Aditya Peddi	Steve Gower	Troy
Elise Tran	Paul Tschida	Tustin
Aaron Chao	Valerie Thompson	University
Hector Aguirre	Brady Bilhartz	Valencia

Based on April 22, 2023 exam with 193 students from 27 schools participating. The top student from each school has their name engraved on their school's perpetual plaque.

Orange County Chemistry Teacher of the Year

Since 2017, our section has recognized one teacher as the Orange County Chemistry Teacher of the Year. During the Covid years, we were unable to give this award, and we are delighted to reinstitute this special recognition in 2023. Teachers are nominated by another teacher or administrator from their school, and submit answers to questions about their assignments and teaching philosophy, and 3 letters from former students. Three teachers are chosen to have our committee visit their classrooms and interview others at the school before making the selection. This is a very difficult task, as there are so many outstanding teachers in our county. This year's choice is **Valerie Thompson** from University High School. The other finalists are **Andrea Chou** from St.Margaret's Episcopal School and **Anie Robinson** from Sage Hill High School.

Bruce Davis Award

Aditya Peddi **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**
Aditya Peddi, Jacob Chen, Stanley Wang, Elizabeth Fu, James Lopez

Second Place **Corona del Mar High School**
Jack Li, Jordan Lum, Warren Norbeck, Camille Tauro, Justine Kennedy

Third Place **Valencia High School**
Hector Aguirre, Joshua Banuelos, Carson Lim, Jonah Griffin, Aidan Tom

Fourth Place (tie) **Orange County School of the Arts**
Dane Bergman, James Conroy, Sumin Cho, Micah Lai, Hennah Kim

Fourth Place (tie) **University High School**
Aaron Chao, Lillian Gan, Ian Sun, Urmila Barathan, Victoria Fang

Fifth Place **Sage Hill School**
Adrian Zhang, Zaydin Lateef, Amy Choi, Vera Yang, Abigail Wang

**Top Chemistry Olympiad Student
for each Participating School**

Student	Teacher	School
Srishti Pradhan	Michael Tran	Arnold O. Beckman
Noah Kim	Brian Brierly	Canyon
Derek Lee	Huy Nguyen	Capistrano Valley
James Kamel	Nick Breslin	Corona del Mar
Jack Trieu	Cristel Miller	Costa Mesa
Trent Johnson	Mitchell Schacht	Crean Lutheran
Hayley Mukai	Sara Moore	Cypress
Jack Miller	Dr. Erica Sharma	Dana Hills
Nolan Nguyen	Marcos Cabrera	Edison
Jonathan Chi	Michael Lee	El Toro
Julia Globisz	Michael Woodward	Esperanza
Oskar Sheets	Christine Ivory	Foothill
Tri Nguyen	Beverly Lynch	Garden Grove
Adela Song	David Fick	JSerra
Taryn Nguyen	Cristina Robitu	Kennedy
Daniel Li	Tim Jones	Los Alamitos
Mark Salib	Lauren Murphy	Marina
Peter T. Le	Trish Tillotson	Mater Dei
Nathan Tatsuda	Heather Jonson	OC School of Arts
Nathaniel Protzel	Shirley Tran	Oxford Academy
Helaine Zhao	Tien (Andy) Luong	Pacific Academy
Cooper Larkin	Jennifer Kim	Pacifica Christian
Zara Hommez	Meghan Truax	Portola
Ryne Wang	Anie Robinson	Sage Hill
Kaiwen Chen	Carly Gordon	Santa Margarita
Luis Diaz	John Caroompas	Segerstrom
Andrew Rusli	Andrea Chou	St. Margaret's
Junhee Lee	Andrew Colomac	Sunny Hills
Xinyun Liu	Dr. Nancy Fisher	Tarbut V'Torah
Ryan Nguyen	Nate Ritscher	Tesoro
Eric Wang	Stacey Hamamura	Trabuco Hills

Student	Teacher	School
Shuoyan Chen	Justin Kim	Troy
Rogelio Correa	Abbey Zinsser	Tustin
Feodor Yevtushenko	Joseph Huber	University
Dakota Feldkamp	Brady Bilhartz	Valencia
Kate Verhagen	Jennifer Blackie	Woodbridge

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

Margaret Carlberg Award

Sophia Chen Sage Hill School
Feodor Yevtushenko 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 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**
 Shuoyan Chen, Alexander Lee, Zhujian You, Cloris Shi

Second Place **Los Alamitos High School**
 Daniel Li, Katelyn Ngo, Gabriel Mee, Kristen Chan

Third Place **University High School**
 Victor Li, Kristine Lu, Xinjun (Leo) Du, Wendy Cao

Fourth Place **Valencia High School**
 Dakota Feldkamp, Lucas Cheng, Darshil Vaishnav, Althea Mendoza

Fifth Place **St. Margaret's Episcopal School**
 Andrew Rusli, Zexing (Daniel) Chen, Richard Feng,
 Qingchun (Mike) He

Sixth Place **Arnold O. Beckman High School**
 Srishti Pradhan, Hyowon Han, Yan Lee, Koshik Kumaravel

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 2022-2023 Officers

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

2022-2023 Chemical Education Committee

Dr. Carol Grimes, Chair	Judy Bechtold	Brady Bilhartz
Andrea Chou	Dr. Richard Deming	Dr. Allison Gotoh
Dr. Mark Hamamura	Stacey Hamamura	Tim Jones
Theodore Kidane	Justin Kim	Dr. Renee Link
Alison Loeper	Dr. Ted Lorance	Bev Matsuda
Kim Ngo	Stephanie Nobles	Huy Nguyen
Shannon Regli	Anie Robinson	Brent Shenton
Dr. Michael Skinner	Sanda Sun	Mike Tran

The Orange County ACS section sponsored the dinners, medallions and cash awards for the student winners and the teachers' dinners and the school plaques.