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## 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.

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### Event Hosts

We thank the Chemistry Department of CSU Fullerton for sponsoring this event and Dr. Richard Deming for planning of this awards dinner.

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### Orange County Section 2016-2017 Officers

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

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### 2016-2017 Chemical Education Committee

Dr. Carol Grimes, Chair	Judy Bechtold	Robyn Caballero
Andrea Chou	Dr. Allison Gotoh	Mark Hamamura
Stacey Hamamura	Tim Jones	Dr. John Kenney
Heather Kroger	Dr. Renee Link	Alison Loeper
Dr. Ted Lorange III	Kim Ngo	Stephanie Nobles
Shannon Regli	Dr. Terri Speakman	Sanda Sun
Brent Shenton	Mike Tran	Helen Wagner

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 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

California State University, Fullerton

May 23, 2017

## Welcome

Dr. Sandra Thompson  
*Chair, Orange County ACS*

Dr. Carol Grimes  
*OCACS Education Committee Chair  
Master of Ceremonies*

Northern Italian Buffet  
with dessert and beverages

## Speaker

Harland Garland II  
UCI Doctoral Candidate

Medicine, Science & Technology Studies:  
*Where to Go From Here?*

## Awards

Orange County Science Fair Winners  
First Year Chemistry Team Awards  
Bruce Davis Award

Chemistry Olympiad Team Awards  
National Chemistry Olympiad Participants  
Margaret Carlberg Award

Orange County Chemistry Teacher of the Year:  
Kelli Gaines, Trabuco Hills High School  
Recognition of Dr. Richard Deming

Top Students for First Year & Olympiad

## Closing

Student	Teacher	School
Aayush Somani	Brent Shenton	Valencia
Haylie Munda	Gwen Corbett	Villa Park
Phu Nguyen	Corina Durrego	Western
Kevin Truong	Matthew Cain	Westminster
Dustin Le	Crystal Cooper	Woodbridge
Blake Han	Tiffany Ward	Yorba Linda

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

## Margaret Carlberg Award

Alexander Tsao ..... Troy High School  
Phil Chen ..... 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** Troy High School  
Alexander Tsao, Lydia Chan, Matthew Tran, Leo Yeung

**Second Place** Valencia High School  
Aayush Somani, Naadir Jamal, Tera Gilham, Michael Huang

**Third Place** University High School  
Phil Chen, Yunyang (Jack) Sun, Peter Bota, Sriram Balachandran

**Fourth Place** Orange County School of the Arts  
Xochitl Luna, Madeline McCanne, Christine Cheng, Louis Primeau

**Fifth Place** Arnold O. Beckman High School  
Seung Hyun Hwang, Michelle Xu, Erik Chen, Hyoungjin Park

**Sixth Place** Sunny Hills High School  
Eunsook Shin, Ryan J. Kim, Neh Patel, Jonathan J. Lee

## Top Chemistry Olympiad Student for each Participating School

Student	Teacher	School
Michelle Xu	Michael Tran	Beckman
Azeem Horani	Wade Cormier	Brea Olinda
Disha Zambani	Brian Brierly	Canyon
Tiffany Lubrino	Helen Wagner	Cornelia Connelly
Harrison Dill	Heather Kroeger	Corona del Mar
Sihan Chen	Mitch Schacht	Crean Lutheran
Jason Yik	Patty Brunet	Cypress
Alexander Besanceney	Dr. Erica Sharma	Dana Hills
William Bui	Susan Ballard	Edison
Cynthia Zhang	Nicole Britigan	El Toro
Humberto Gutierrez	Marie-Claire Siddall	Godinez
Joey Lee	Neetu Lal	Irvine
Nam Phuong Nguyen	Cristina Robitu	John F. Kennedy
Austin Brotman	Jennifer McAdam	Junipero Serra
Daoming Wang	Steve Sogo	Laguna Beach
Jia Jing (Jean) Zhang	Tim Jones	Los Alamitos
Aaron Lee	Lauren Murphy	Marina
Yu Heng Cheng	Daryl Fukuda	Mission Viejo
Suhn Hyoung Kim	David Monge	Northwood
Xochitl Luna	Heather Jonson	OC School of Arts
Selina Gong	Dennis Lin	Orange Lutheran
Jason Nguyen	Clay Elliott	Oxford Academy
Jerlene Hsueh	Adrian Fernandez	Pacifica
Yasmin Romero	Brian Sandquist	Saddleback
Donghyun Ko	Bill Dupuis	Sage Hill
Asta Olafsdattir	Brenda Olsen	San Juan Hills
Luis Jimenez	Dr. Ronald Schaefer	Santa Ana
Susannah Sherwood	Carly Gordon	Santa Margarita
Jakob Decano	Robyn Caballero	Servite
Andrew Vollero	Andrea Chou	St. Margaret's
Eunsook Shin	Andrew Colomac	Sunny Hills
Albert Yu	Megan Leiva	Tesoro
Ting-Yun Chang	Stacey Hamamura	Trabuco Hills
Alexander Tsao	Kurt Wahl	Troy
Ester Garcia	Abbey Zinsser	Tustin High School
Phil Chen	Shannon Bunch	University

## Science Fair Winners

**Junior Division** — Isabella Medvitz, Woodbury Elementary, “Salty and Sweet”; Advisor Danielle DeFrank

**Senior Division** — Michael Wu, University High, “A Solar Powered Upconverting Reactor for Highly Efficient Photochemical Synthesis”; Advisor Shannon Bunch

## National Chemistry Olympiad Exam Participants

Student	Teacher	School
Benjamin Nguyen	Brent Shenton	Valencia
Alexander Tsao	Kurt Wahl	Troy
Timothy Li	Kurt Wahl	Troy
Phil Chen	Shannon Bunch	University
Bonnie Huang	Nicole Britigan	El Toro
Aayush Somani	Brent Shenton	Valencia
Xochitl Luna	Heather Jonson	OC School of the Arts
Naadir Jamal	Brent Shenton	Valencia
Yunyang (Jack) Sun	Shannon Bunch	University
Jennifer Pan	Michael Tran	Beckman
Michelle Xu	Michael Tran	Beckman
Jason Yik	Patty Brunet	Cypress

*Order based on March 4, 2017 Local Olympiad test score with 155 students representing 43 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...

*Dr. Richard Deming* and the chemistry department of CSU Fullerton, for hosting the First Year exam and 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. 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
Sebastian Rubio	Alison Loeper	Anaheim
Edward Jin	Michael Tran	Beckman
Cooper Crabtree	Mary Grigoli	Brea Olinda
Bryant Jin	John Holland	Brethren Christian
Daniel Chu	Brandon Usami	Calvary Chapel
Allison Delehoy	Brian Brierly	Canyon
Mariah Lopez	Helen Wagner	Cornelia Connelly
Miranda Chang	Kim Ngo	Corona Del Mar
Emily Tran	Sara Moore	Cypress
Yasamam Ebrahimi	Kristy Clarke	Dana Hills
Andrew Polizzotto	Matt Brutlag	Edison
Tyler Price	Ken Tse	El Toro
Nadia Palafox	Christine Ivory	Foothill
Gladys Alondra Venegas	Cristina Robitu	John F. Kennedy
Steven Chu	Jan Kilduff	Junipero Serra
Lisbeth Alvarez	Gema Suarez	Katella
Alexis Meissner	Lezlie Matsuyama	La Habra
Taylor Tran	J You	Laguna Beach
Jeremy Mojado	Sean Phi	Loara
Zoey Litt	Tim Jones	Los Alamitos
Paul Nguyen	Lauder	Marina
Shelby Laitipaya	Daryl Fukuda	Mission Viejo
Nandita Joshi	Cathleen Zeleski	Northwood
Jason St. Pierre	Kim Fuschetti	Ocean View
Stacy Chang	Heather Jonson	OC School of the Arts
Joshua Cheung	Daniel Cullinane	Oxford Academy
Matthew McHenry	Young Lee	Pacifica
Phi Tran	Angie Morrison	Rancho Alamitos
Bich Thuy Nguyen	Juliana Morgan	Saddleback
Timothy Guo	Shannon Regli	Sage Hill School
Savitri Raghuraman	Michelle Riem	San Clemente
Henry Schreiner	Brenda Olsen	San Juan Hills
Kevin Gomez	Ric Jara	Santa Ana
Hazel Fairbanks	Liliana Garcia	Savanna High School
Vivianne Dinh	Lan Vu	Segerstrom
Logan Armijo	Robyn Caballero	Servite
Grant Kinsey	Andrea Chou	St. Margaret's
Kelvin Chung	Colomac	Sunny Hills

Student	Teacher	School
David Rimer	Catherine Thompson	Tesoro
Keanu Graham	Jay Camiling	Trabuco Hills
Tanya Jomaa	Justin Kim	Troy
Vy Tran	Abbey Zinsser	Tustin
Anton Ni	Shannon Bunch	University
Jiwon Jeong	Brent Shenton	Valencia
Alessandra Santiago	Corina Durrego	Western
Peter Vu	Matthew Cain	Westminster
Zihan Nikki Chen	Linda Kazibwe-James	Whittier Christian
Iliya Shofman	Kelly Herrman	Woodbridge

*Based on April 29, 2017 exam with 328 students from 48 schools participating. The top student from each school has their name engraved on their school's perpetual plaque.*

### Bruce Davis Award

**Edward Jin .....Arnold O. Beckman 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**

Sophia Byerly, Tanya Jomaa, Colby Chang, Ansh Shah, Michael Zhu

**Second Place** **University High School**

Anton Ni, Albert Lin, Michael Diao, Rohan Chawla, Amy Zhong

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

Edward Jin, Siu Lee, Mabel Tang, Katherine Dao, Echo Tang

**Fourth Place** **Sage Hill School**

Timothy Guo, Ashley Huang, Ian Grimm, Alex Kwon, Natalie Lau

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

Stacy Chang, Katherine Chang, Christopher Hughes, Lawrence Wu, Lara Hsia

**Sixth Place** **Valencia High School**

Jiwon Jeong, Samuel Littrell, Ethan Moy, Rachel Bang, Christopher Leung