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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 facilitating the planning of this awards dinner.

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### Orange County Section 2018-2019 Officers

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

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### 2018-2019 Chemical Education Committee

Dr. Carol Grimes, Chair	Judy Bechtold	Andrea Chou
Crystal Cooper	Dr. Richard Deming	Dr. Jean Dupon
Dr. Allison Gotoh	Dr. Mark Hamamura	Stacey Hamamura
Tim Jones	Dr. John Kenney III	Justin Kim
Heather Kroeger	Dr. Renee Link	Alison Loeper
Dr. Ted Lorange	Bev Matsuda	Kim Ngo
Stephanie Nobles	Shannon Regli	Anie Robinson
Brent Shenton	Dr. Michael Skinner	Dr. Terri Speakman
Sanda Sun	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 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<sup>®</sup>

## High School Awards Program

California State University, Fullerton

May 21, 2019

## Welcome

Dr. Keisuke Ikehata

*Chair, Orange County ACS*

Dr. Carol Grimes – Golden West College

*OCACS Education Committee Chair*

*Master of Ceremonies*

## Italian Buffet

with dessert and beverages

## Speaker

Victoria Lim

UCI Doctoral Candidate

*“A Path to Computational Chemistry from  
Uncertainty, Opportunity, and Tenacity ”*

## 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:**

**Kim Ngo, Corona del Mar High School**

**Top Students for First Year & Olympiad**

## Closing

<b>Student</b>	<b>Teacher</b>	<b>School</b>
Phillip Dang	Abbey Zinsser	Tustin
James Chen	Nicholas Brighton	University
Armanul Ambia	Brent Shenton	Valencia
William Stepanski	Gwen Corbett	Villa Park
Anthony Phan	Matthew Cain	Westminster
Zion Gassner	Crystal Cooper	Woodbridge
Mitchell Han	Tiffany Ward	Yorba Linda

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

## Margaret Carlberg Award

**Anton Ni ..... 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**

Joseph Dong, Ho Lyun Jeong, Lynette Chan, Supavit Pitaknarongphorn

**Second Place** **Valencia High School**

Armanul Ambia, Caominh Le, Ethan Moy, Daniel Bustamante

**Third Place** **Sage Hill High School**

Ian Grimm, Emily Lam, Albert Gang, Sana Manesh

**Fourth Place** **University High School**

James Chen, Michael Diao, Pranav Kanchi, Annie Zhou

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

Karina Patel, Vianna Seifi, Helen Quach, Amogh Tantradi

**Sixth Place (tie)** **Los Alamitos High School**

Andy Fong, Vincent Ngo, Lucas Torgerson, Katherine Kubiato

**Sixth Place (tie)** **Northwood High School**

Catherine Hu, Sarah Olsen, Helen Yang, Andrew Dai

## Top Chemistry Olympiad Student for each Participating School

Student	Teacher	School
Karina Patel	Michael Tran	Beckman
Ethan Pham	Wade Cormier	Brea Olinda
Sergio Barretto	Brian Brierly	Canyon
Valentin Kirilenko	Huy Nguyen	Capistrano Valley
Yiyi Shao	Helen R. Wagner	Cornelia Connelly
Christopher Muller	Heather Kroeger	Corona del Mar
Jae Joon Lee	Mitch Schacht	Crean Lutheran
Dharma Truong	Patty Brunet	Cypress
Caden Davis	Dr. Erica Sharma	Dana Hills
Brock Hosier	Susan Ballard	Edison
Simon Barkehanai	Nicole Canizales	El Toro
Brian Nguyen	Michael Woodward	Esperanza
Samuel Martinez Gross	Bob Varnold	Fairmont Preparatory
Bach Le	Beverly Lynch	Garden Grove
Diego Solorio	Marie-Claire Siddall	Hector Godinez
Ryan Du	Neetu Lal	Irvine
Jennifer Hur	Cristina Robitu	John F. Kennedy
Zechuan Rao	Jennifer McAdam	Junipero Serra
Charlene Datu	Gema Suarez	Katella
Andy Fong	Tim Jones	Los Alamitos
Jeanne Tran	Lauren Murphy	Marina
Catherine Hu	Kent Paris	Northwood
Joseph Laderer	Heather Jonson	OCSchool of Arts
Bill Feng	Shirley Tran	Oxford Academy
Elizabeth Bulla	Hana Lim	Pacifica
William Hsieh	Michael Tang	Portola
Ian Grimm	Anie Robinson	Sage Hill
Antonio Manuel	Ric Jara EdD	Santa Ana
Jackson McNamee	Carly Gordon	Santa Margarita
Khang Le	Lan Vu	Seegerstrom
Gabriel Sam	Michael Gruden	Servite
Siyuan (Shawn) Chen	Andrea Chou	St. Margaret's
Megan Luo	Andrew Colomac	Sunny Hills
Justin Wang	Megan Leiva	Tesoro
Keanu Graham	Stacey Hamamura	Trabuco Hills
Joseph Dong	Justin Kim	Troy

## Science Fair Winners

**Junior Division** — Samira Mehrinfar, Grade 8, Fairmont Private School, “A Healthier Way to Fuel”; Advisor Mr. Briner

**Senior Division** — Daniel Feng, Grade 10, University High, “Discovering Antibacterial Molecules in a Previously Uninvestigated Native American Medicinal Herb”; Advisor Mrs. Burnside

## National Chemistry Olympiad Exam Participants

Student	School	Teacher
Anton Ni	University	Nicholas Brighton
Rohan Chawla	University	Shannon Bunch
Ian Grimm	Sage Hill	Anie Robinson
Valentin Kirilenko	Capistrano Valley	Huy Nguyen
Jiwon Jeong	Valencia	Brent Shenton
Bibo Feng	Irvine	Neetu Lal
James Chen	University	Nicholas Brighton
Jospeh Dong	Troy	Justin Kim
Aayush Somani	Valencia	Brent Shenton
Andy Fong	Los Alamitos	Tim Jones
Samuel Martinez Gross	Fairmont	Bob Varnold
Felianne Teng	Troy	Justin Kim
Edward Jin	Beckman	Michael Tran

*Order based on March 2, 2019 Local Olympiad test score with 160 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...

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, *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,

*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
Aastha Sehgal	Michael Tran	Arnold O. Beckman
Tristan Montera	Mary Grigoli	Brea Olinda
Lauren Quynh-anh Van Auken	Brian Brierly	Canyon
Madina Entezar	Deanna Perez	Capistrano Valley
Joselyn Martinez	Helen Wagner	Cornelia Connelly
Caden Campbell	Kim Ngo	Corona Del Mar
Eunice Lee	Sara Moore	Cypress
Luke Csermak	Mary Danna	Dana Hills
Matthew Nguyen	Michael Woodward	Esperanza
Amelia Ng	Christine Ivory	Foothill
Liana Jankovich	Cristina Robitu	John F. Kennedy
Aipeng (Jeff) Tang	Dr. Jan Kiduff	Junipero Serra Catholic
Du Tran	Char Montgomery	Katella
Nolan Hacker	Lezlie Matsuyama	La Habra
Marc Eftimie	Alexandra Holtz	Laguna Beach
Mike Tran	Sean Phi	Loara
J Alessandro Briseno-Tapia	Lauren Helm	Los Alamitos
Augustino Nguyen	Katalin Voragen	Magnolia
Kristine Acero	Pizzorno	Marina
Anthony Leonard	Daryl Fukuda	Mission Viejo
Bo Chen	Cathleen Zeleski	Northwood
Max Takacs	Kim Fuschetti	Ocean View
Angeline Xu	Heather Jonson	OC School of the Arts
Mia Kim	Shirley Tran	Oxford Academy
Terrie Vu	Victoria Vi	Pacifica
Joanna Fan	Brittney Kang	Portola
Pierre Bui	Angie Morrison	Rancho Alamitos
Esteban Cuevas	Juliana Morgan	Saddleback
Colin Sueyoshi	Kerry Langdale	Sage Hill
Clayton Newlon	Dang Nguyen	San Clemente
Brenna Lucero	David Hall	San Juan Hills
Alexis Diaz	Dr. Ricardo Jara	Santa Ana
Matthew Sarrao	Carly Gordon	Santa Margarita Catholic
Joshua Badzey	Michael Gruden	Servite
Ian Schulze	Andrea Chou	St. Margaret's Episcopal
David Cormier	Andrew Colomac	Sunny Hills
Isabel Sheng	Annie Yu	Tesoro
Tomas Burgess	Jay Camiling	Trabuco Hills

An Nguyen  
Alexander Tran  
Nicholas Ouyang  
Donovan Nguyen  
Kevin Doan  
Brian Tong

Steve Gower  
Abbey Zinsser  
Shannon Bunch  
Brent Shenton  
Matthew Cain  
Crystal Cooper  
Troy  
Tustin  
University  
Valencia  
Westminster  
Woodbridge

*Based on April 27, 2019 exam with 296 students from 44 schools participating. The top student from each school has their name engraved on their school's perpetual plaque.*

## Bruce Davis Award

**An Nguyen..... 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**

An Nguyen, Arjun Patel, Gia Fang, Henry Tang, Danielle Chow

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

Nicholas Ouyang, Andrei Mandelshtan, Neel Basu, Natalie Zane, Luca Flick-Kaiser

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

Angeline Xu, Justin Chen, Sara Elliott, Melanie Huq, Analiese Bancroft

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

Colin Sueyoshi, Sabrina Do, Austin Pak, PengCheng Zhu, Yibin Jiang

**Fifth Place** **Junipero Serra Catholic High School**

Aipeng (Jeff) Tang, Xinyi (Valley) Jiang, Nicholas Kiani, Ryan Horio, Qiwen (Mellie) Wang

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

Donovan Nguyen, Grace Owen, Karissa Pratt, Elliot Yoon, John Kang