

SILICON VALLEY CHEMIST

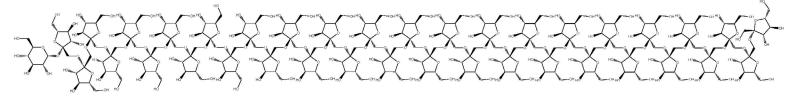
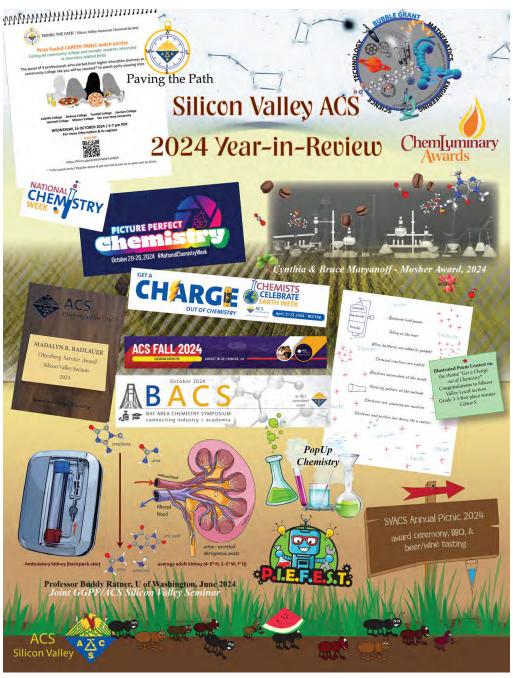


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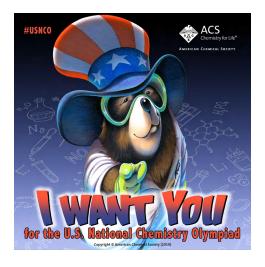
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Silicon Valley American Chemical Society 2024 in Review



SVACS 2024 in Review

When	What	SVACS newsletter coverage	Read more
January	Kid Makers: Pop Up Chemistry		
	Mosher Award presented to Drs. Cynthia & Bruce Maryanoff	January 2024	Photos & write-up
February	Kid Makers: Pop Up Chemistry		
March	Synopsys Championship Science Fair and SVACS Awards	March 2024	Science Fair Awards
	P.I.E.F.E.S.T. 3rd Annual Pasifika STEM Fair	April 2024	Photos
April	Hartnell College Spring 2024 Career & Resource Fair	May 2024	Photos
•	Chemists Celebrate Earth Week - Martin Luther King Library	April 2024	Photos
	Chemists Celebrate Earth Week - Salinas Community Workshop	June 2024	
	High School Chemistry Olympiad National Exam		
	Chemists Celebrate Earth Week Illustrated Poem Contest	June 2024	Illustrated Poem
June	Silicon Valley ACS & Golden Gate Polymer Forum Annual Joint Seminar	June 2024	Innovations in Materials
			Design for Kidney Dialysis
			from Lab Bench to Patient
	Kid Makers: Pop Up Chemistry		,
July	Tech Trek	June2024	
-	Annual ACS Silicon Valley Picnic and Awards	July 2024	Photos
	The 2024 Ottenberg Award to Madalyn Radlauer	August 2024	Photos
August	SVACS Wins ChemLuminary Award at ACS National Meeting in Denver	September 2024	Nomination
	Science Fair David Parker Award Recipients Celebrated at Santa Clara Fire Dep	ot. October 2024	
September	Kid Makers: Pop Up Chemistry for Middle School Scientists		
October	Paving the Path Career Panel: Community College Student to Successful Scient	tist October 2024	Photos & write-up
	National Chemistry Week, Salinas Community Science Center, Salinas		Write-up
	National Chemistry Week, Martin Luther King Library	December 2024	•
	National Chemistry Week Illustrated Poem Contest	October 2024	Picture Perfect Chemistry
	SVACS Salute to Excellence Award to Bridget Kowalczyk	December 2024	About ACS Salute to Excellence Award
	Bay Area Chemistry Symposium	October 2024	5th Annual BACS
November	Kid Makers: Pop Up Chemistry for Middle School Scientists		
December	Kid Makers: Pop Up Chemistry for Middle School Scientists		



National High School Chemistry Olympiad: Key Dates

The *U.S. National Chemistry Olympiad (USNCO)* program is a multi-tiered chemistry competition for high school students. ACS has sponsored the program since 1984. To be eligible for participation, all students must register before January 17. Nominees for the National Exam will be selected based on their results in their local competition. See *ACS USNCO website* for study aids and past exams.

Key Dates:

December 16, 2024

USNCO Coaching - Student Application | Application Form

January 17, 2025

Student Registration Closes | Registration Form

March 1-23, 2025

March 15, 2025

March 15, 2025

Exam for students whose schools don't offer the program

April 5, 2025

National Exam, Las Positas Community College

June 1-14, 2025

July 5-14, 2025

International Chemistry Olympiad

CALENDAR OF EVENTS

https://www.siliconvalleyacs.org/events/ All Times Given are Pacific Time Zone

	- January 2025 -	Jan 30	Simple Steps to Update Your Will and Leave Your Legacy	
Jan 11	Kid Makers: Pop Up Chemistry Sponsored by Silicon Valley ACS & Redwood City Public Library (RCPL) 2:00-3:00 pm, In person for ages 9-12, RCPL Downtown Location, 1044 Middlefield Road, Redwood City, Free, Learn more		Sponsored by ACS Webinars and ACS Office of Philanthropy 11:00 am-Noon, Online, Free, <i>Registration required</i> - February 2025 -	
Jan 13		Feb 3	[Materials Chemistry Seminar, Student Hosted Colloquium] Prof. Samuel Stupp, Northwestern University Sponsored by Stanford Chemistry Department 3:00-4:00 pm, Sapp Center Auditorium 111, 376 Lomita Dr., Stanford Univ., Learn more Silicon Valley ACS Executive Committee Meeting	
Jan 15	Finding Your Path: Evaluating and Introducing Yourself - A Career Pathways Virtual Workshop Sponsored by ACS Virtual Career Services		Sponsored by Silicon Valley ACS Section 7:30-9:00 pm, Hybrid Event, Free, Guests welcomed: <i>contact Chair</i> to attend	
Jan 16	9:00-10:30 am, Online, Free, <i>Registration required</i> Chromatography Skills You Need to Get Hired and Promoted Sponsored by ACS Webinars and ACS Office of Career and	Feb 6	Skydiving Into Retirement: ACS Virtual Office Hours Sponsored by ACS Virtual Career Services 9:00-10:30 am, Online, Free, <i>Registration required</i>	
Jan 16	Professional Education 11:00 am-12:15 pm, Online, Free, <i>Registration required</i> Polyelectrolyte Complex Scaffoldings for Wet Adhesives and	Feb 6	Steeped in Science: The Chemistry Inside Your Perfect Cup of Tea Sponsored by ACS Webinars and ACS Division of Agricultural and Food Chemistry	
3D Bioprinting Inks Prof. Samanvaya Srivastava, UCLA Chemical & Biomolecular Engineering Sponsored by Golden Gate Polymer Forum (GGPF) 6:00-7:00 pm, Online, Free, Registration required by 1:00 pm on January 15th	Feb 8	 11:00 am-12:15 pm, Online, Free, Registration required DNA-mineral interactions at the molecular level: implications for bacterial evolution and ecological inference Prof. Karina Krarup Sand, University of Copenhagen Sponsored by Women Chemists Committee, California ACS Section 10:30 am-Noon, Online, Free, Registration required Download flyer 		
Jan 19	Jan 19 Investigating Plant Terpenoid Metabolism and Bioproduct Applications Prof. Philipp Zerbe, UC Davis Sponsored by California ACS Section 11:30 am-2:00 pm, Hybrid Event: In-person \$20 for lunch reservation (\$10 students) at North Berkeley Senior Center, 1901 Hearst Ave, Berkeley. Online free, Learn more and register Download flyer Jan 22 From Stardust to Life: The Chemistry of Habitable Worlds Sponsored by ACS Webinars and ACS Division of Physical Chemistry (PHYS) Astrochemistry Subdivision Noon-1:00 pm, Online, Free, Registration required Jan 23 Scientific breakthroughs and emerging trends to watch in 2025: Expert webinar and panel Sponsored by CAS	Feb 9	RAMP in the Research Lab: An ACS CHAS Peer-Led Workshop Sponsored by the ACS Division of Chemical Health & Safety 11:00 am-2:30 pm, Online, \$25/participant, <i>Registration required</i>	
4 22		Feb 11	Accelerating Equity in Science: Networking Event of the Cal Local ACS Section & Partners Sponsored by California ACS Section and IUPAC 5:00-8:00 pm, Hybrid Event, Free, Learn more and register	
Jan 22		Feb 12	CHIPS-funded Program for Advanced Metrology of Semiconductor Packaging Materials Stian Romberg, PhD, Materials Science and Engineering Division,	
Jan 23			National Institute of Standards and Technology Sponsored by Golden Gate Polymer Forum (GGPF) Details TBA, check back at http://www.ggpf.org	
Jan 23	7:00-8:00 am, Online, Free, <i>Registration required</i> Innovating Everyday Chemicals with Green Chemistry: More Sustainable Lubricants, Solvents, and Fertilizers Sponsored by ACS Webinars and ACS Green Chemistry Institute	Feb 13	Plastics Circularity: Origins and New Developments in Recycling Sponsored by ACS Webinars and Science History Institute 10:00 am-11:15, Online, Free, <i>Registration required</i>	
	11:00 am-12:30 pm, Online, Free, <i>Registration required</i>	Feb 19	What Every Industrial Chemist Should Know: Ethics and Legal Considerations	
Jan 23	Microbes Mining Minerals: A New Route to Plant Cultivation Dr. Jocelyn Richardson Sponsored by SLAC National Accelerator Laboratory 7:00-8:00 pm, Hybrid Event, Free, Learn more and Register		Sponsored by ACS Webinars, ACS Committee on Ethics, and ACS Division of Chemistry and the Law 11:00 am-Noon, Online, Free, <i>Registration required</i>	



Judges Needed for Local Science Fairs in 2025

by Susan Hines and Natalie McClure

If you are reading this newsletter, you are likely interested in science in our community. How about encouraging our middle and high school students to participate in the world of STEM – science, engineering, math, and science? It takes just one day of your time to judge at a local science fair – and all but one (San Mateo

STEM Fairs) are in person. The following science fairs need category awards judges, especially in the areas of biology, chemistry, microbiology, and all areas of informatics. All of them are qualifiers for the California State Science Fair and either the Broadcom Masters (middle schoolers) or the International Science and Engineering Fair, ISEF (high schoolers).

To join our SVACS special award team of judges at the Synopsys Championship on March 13, 2025 in San Jose, contact us. We welcome participants from all chemistry-related fields.

No matter which fair(s) you choose, please volunteer now!

- Santa Cruz County STEAM Expo, March 8, 2025, Santa Cruz County Fairgrounds
- San Mateo County Office of Education STEM Fair, March 15, 2025, virtual format
- Synopsys Championship, Santa Clara County, March 13, 2025, San Jose Convention Center
- Alameda County Science and Engineering Fair, March 15, 2025, Chabot College, Hayward Campus
- Golden Gate STEM Fair, Cancelled for 2025

CAS Future Leaders - Call for Applications



CAS Future Leaders for 2024

Join a group of exceptional Ph.D. students and postdoctoral scholars from around the world to take the next steps in your leadership journey. *Learn how to apply* and submit your application for the 2025 CAS Future Leaders program by **Sunday**, **January 26**, **2025** at **9:00pm Pacific Time**.

Why you should apply

- Advance your career and make meaningful impacts in science: The CAS Future Leaders program
 supports the growth of science leadership among early-career scientists. Since 2010, the program has
 awarded Ph.D. students and postdoctoral scholars opportunities to learn leadership skills, engage in
 scientific discourse, and connect with peer scientists and innovators from around the world.
- Learn: Get exclusive leadership training from industry experts and learn how CAS connects the world's scientific knowledge.
- **Engage**: Share your latest discoveries to advance scientific knowledge at the American Chemical Society fall meeting.
- Connections: Network to make meaningful connections with peer scientists and innovators from around the world.

2025 Program Benefits

Expense-paid trip to ACS CAS Headquarters in Columbus, Ohio

August 11-16, 2025

Expense-paid trip to ACS Fall 2025 National Meeting in Washington, D. C. August 17-21, 2025

\$1,000 USD

3-year *ACS membership*

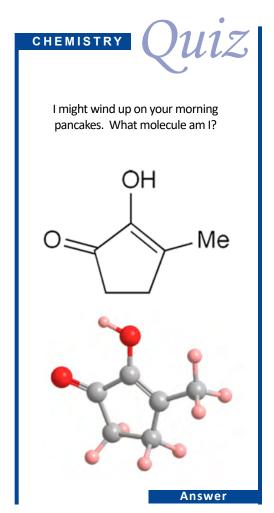
Profile featured in C&EN (see the 2018, 2019, 2022, 2023, and 2024 articles)

Complimentary registration for the ACS meeting

Opportunity to present your research at the ACS meeting

Complimentary registration for an ACS Professional and Leadership Development course at the ACS meeting

Lifetime membership in the CAS Future Leaders Alumni Community



ACS Green Chemistry Institute 29th Annual **Green Chemistry & Engineering** Conference Good Health & Well-Being Through Sustainable Chemistry PITTSBURGH, PA | JUNE 23-26, 2025

The ACS Green Chemistry Institute invites you to submit abstracts for the 29th Annual Green Chemistry and Engineering Conference. This premier event, dedicated to advancing sustainable practices in chemistry and engineering, takes place June 23-26, 2025. We are seeking innovative and impactful research that falls into one of our technical session topics. Please submit your abstracts by February 17.

Important Dates

- Jan. 2: Abstract submission opens
- Feb. 17: Abstract submission closes
- Feb. 18: Early registration and housing open
- Apr. 30: Early registration closes
- May 1: Regular registration opens
- May 19: Rooming block deadline

About GC&E: The GC&E Conference, hosted by the ACS Green Chemistry Institute, is the premier global event for green chemistry and engineering. As the first and longest-running conference on this topic, GC&E attracts scientists, educators, industry professionals, and advocates to explore advancements, share best practices, inspire innovation, and build community dedicated to sustainable solutions.

Each year, the conference evolves, incorporating new ideas while maintaining its 28-year legacy. Its vision is for green and sustainable chemistry to be integral to all scientific endeavors, providing solutions that balance human well-being with planetary health. For this reason, the 2025 conference theme will be Good Health and Well-Being Through Sustainable Chemistry to align with the United Nations Sustainable Development Goal 3.

GC&E 2025 will showcase innovative research and cross-cutting topics in green and sustainable chemistry and engineering, with an emphasis on symposia that highlight our theme "Good Health and Well-Being", such as medical breakthroughs, new technologies, and efforts to eliminate or reduce hazardous chemical pollution promoting longer and healthier lives.

United Nations SUSTAINABLE GOALS DEVELOPMENT GOALS









































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The Strange Chemistry of Mexican Coca-Cola **A Reactions Video**



Watch on YouTube | View sources View more Reactions: Chemistry Science Videos - Uncover the Chemistry in Everyday Life



Pushing Boundaries Solving global challenges

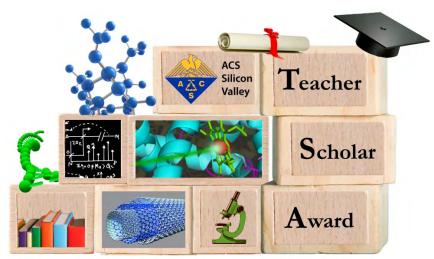
Get ready to learn, network with industry and academia

San Diego, CA & Virtual I March 23-27 Early bird registration ends January 15! Learn more and register

Call for nominations

Community College Teacher-Scholar Award

Deadline: March 1, 2025



Recognizing community college science teachers who go above and beyond to inspire and support their students to pursue a career in science.

The Silicon Valley ACS Teacher-Scholar Award honors community college faculty who demonstrate excellence in teaching, mentoring and scholarship or who make impactful contributions to their communities through outstanding leadership and service.

The annual SVACS Teacher-Scholar Award spotlights the impactful contribution that California

community colleges make to furthering the future of chemistry by supporting our next generation of scientists. Almost 51 percent of graduates of the California State University (CSU) system and 29 percent of the University of California (UC) system transferred from a California community college. The majority of these students come from economically disadvantaged backgrounds, for whom effective instruction is essential.

Initiated in 2008, the SVACS Teacher- Scholar Award was the first award of its kind to recognize specifically community college science educators. The rarity of an award in this category and the abundance of qualified candidates catalyzed our expanding eligibility beyond our immediate region to include chemistry faculty from any of the 116 California community colleges. We are soliciting nominations through March 1, 2025, and encourage all readers to identify and nominate qualified community college faculty.

More information and an online nomination form can be found on the *Silicon Valley ACS Teacher-Scholar Award* page.



Each month, our Silicon Valley local ACS section receives a spreadsheet from national ACS with the names of members new to our section. The members are either new to ACS, have transferred in from other areas, or are the newest members - students. As a welcoming gesture, the SVACS Executive Committee offers new members free attendance at a catered SVACS event. Come join us at our in-person gatherings! To register as our guest for a catered event, *contact us* directly to receive complimentary admission for you and a friend.

We hope you will also join us for an outreach event, like judging a science fair, proctoring the high school Chemistry Olympiad or participating in a National Chemistry Week hands-on experiment event. The local section is a volunteer organization. Attend an event, volunteer to help, and get to know your local fellow chemists.

New SVACS Members

Kevin Rodriguez Haley Adamic Weifeng Lin Guanghu Tong **Dan Marquess** Nitish Agrawal Ryo Wakabayashi Travis William Bainbridge Daniel P. Marron Stuart Mcnelles Dedi Wang Rio DelMoral Yuan Wang Paige Morihara Erik Genet Jinping Yang Akinori Okano Ashesh Ghosh Rui Yang Daud Gill Kieran Orr **Ayush Pandey** Yue Yang Kaitlyn Johnson

ACS Fellows Program Nominations

Open February 1 - April 1, 2025



"The American Chemical Society (ACS) Fellows Program was created by the ACS Board of Directors in December 2008 to recognize members of ACS for outstanding achievements in and contributions to science, the profession, and the Society.

Nominations for the 2025 Class of ACS Fellows will be open from February 1 to April 1, 2025."

Learn more and watch the 'How to Webinar for Nominators' Video

View slides



OUR COMMITMENT

Improve all lives through the transforming power of chemistry

OUR VISION

A world built on science

OUR MISSION

Advance scientific knowledge Empower a global community Champion scientific integrity



ACS Strategic Plan 2025-2029

CORE VALUES



Passion for Science

We believe chemistry drives scientific discovery and innovation.



Inclusion and Belonging

We create environments where people from diverse backgrounds, cultures, perspectives, and experiences thrive.



Lifelong Learning

We promote equitable access to science education, resources, and career pathways.



Sustainability

We embody safe, ethical, and responsible practices.



STRATEGIC GOALS

Elevate the Reputation of Science

Communicate the positive impact of chemistry on society to strengthen public trust in science

Enhance Community Engagement

Connect members and all people interested in the chemical sciences and build synergy to enrich our diverse community.

Empower Scientists

Foster accessible science education and continuous learning to enable all people to make informed decisions and address global challenges.

Deliver Innovative Solutions

Drive ACS content and services to maximize influence and value to the global scientific enterprise.



American Chemical Society | strategy.acs.org

As approved by the ACS Board of Directors on 12/6/24

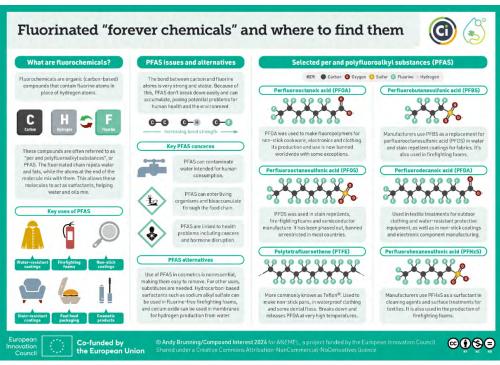
ACS Strategic Plan 2025-2029: View online, download PDF, or download Powerpoint

ACS Publications Releases 2024 Diversity Data Report

Now in its fourth year, this annual report highlights ACS Publications' ongoing DEIR efforts and provides a demographic overview of author, reviewer, editorial, and Editorial Advisory Board communities. This data serves as a critical tool for identifying opportunities to enhance representation and assessing the effectiveness of targeted strategies aimed at addressing inequity within ACS journals. It ensures ACS journal communities are reflective of the global nature of science.

> Learn more and read the full report **Download report (PDF)**





Read associated article | Enlarge this image

Silicon Valley ACS Executive Committee

2025 Section Officers	Chair	2025	Amanda Nelson
	Chair-Elect	2025	Natalie McClure
	Past-Chair	2025	Todd Eberspacher
	Secretary	2025-2026	Jigisha Shah
	Treasurer	2024-2025	Ihab Darwish
	Councilors	2023-2025	Ihab Darwish
		2023-2025	Madalyn Radlauer
		2024-2026	Grace Baysinger
		2024-2026	Natalie McClure
		2025-2027	Linda Brunauer
		2025-2027	Jane Frommer
	Alternate Councilors	2023-2025	Kristin Schmidt
		2023-2025	Laura Yeager
		2024-2026	Karan Dikshit
		2024-2026	Howard Peters
		2025-2027	Eefei Chen
		2025-2027	Jose Ramirez
Newsletter	Editor	2025	Grace Baysinger
	Sr. Assoc. Editor	2025	Jane Frommer



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Communities | Green Chemistry

Local Sections | Science Outreach

Students and Educators

ACS Institute | Center for Lab Safety

Diversity, Equity, Inclusion & Respect

Volunteer | Donate

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