ACS | Silicon Valley Local Section

November 2026
VOLUME 49 NO. 11

SILICON VALLEY CHEMIST

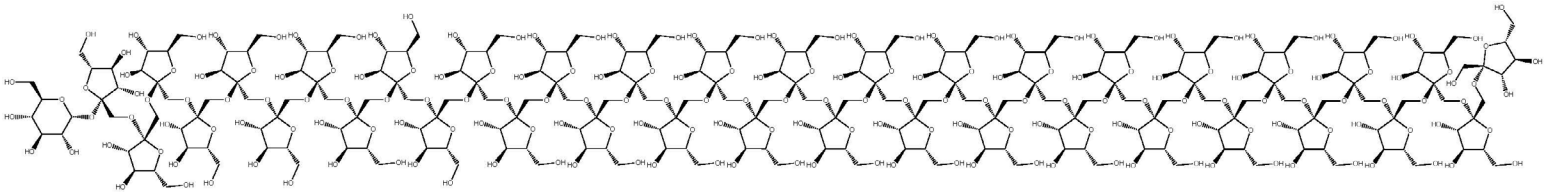


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Call for Nominations
Silicon Valley ACS Harry & Carol Mosher Award

Award recipients selected on the following criteria:

- Recognition of outstanding work in chemistry
- Advancing chemistry as a profession
- Recognized service to ACS

Submit nomination dossier to
Natalie McClure *nmcclure@drugregulatoryaffairs.com*
by December 31, 2026

Nomination dossier to consist of:

- 2 letters of recommendation
- nominee CV

For more details:
https://www.siliconvalleyacs.org/awards-funding/mosher/

Previous recipients:

- Bruce and Cynthia Maryanoff, 2023
- Richard Zare, 2022
- Resa M Kelly, 2021
- P. Andrew Evans, 2020
- Chad Mirkin, 2019
- Gary Molander, 2018
- Nicola Pohl, 2017
- John Warner, 2016
- Attila Pavlath, 2015
- Scott Denmark, 2014

A Tactile Braille Periodic Table: Bridging Accessibility and Community in Chemistry

Maria T. Dulay and Alison C. Mody

ABOUT THE AUTHORS
The following article is a contribution by Maria T. Dulay, Ph.D. ACS Committee on Chemists with Disabilities (CWD) former member (2018-2025), and ACS Committee on Chemistry and Public Affairs (CCPA) associate member and Alison C. Mody, Ph.D., ACS CWD member and Maria's daughter.

Our experiences of having a family member with a visual impairment has been a lesson in accessibility and advocacy. But never was it more poignant than the day before Adam Mody (son and brother) began 8th grade, when his chemistry teacher decided that his visual impairment would prevent him from being successful. Accessibility and accommodations were not part of the conversation. It underscored how assumptions about a person's physical abilities can influence perceptions on their capacity to learn.

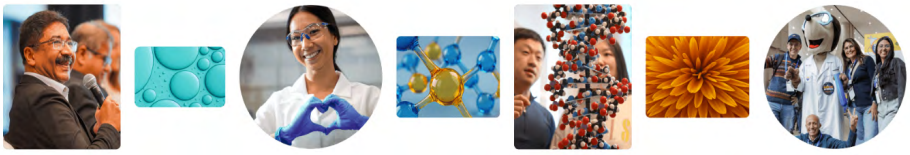
Adam has had low vision his entire life. A history major, he grew up surrounded by science

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Join or Renew Your ACS Membership Today and Save 20%

The ACS is offering a special discount for new and renewing members to become a part of the world's largest chemical society, where you can access a wealth of resources, networking opportunities,

continued on next page



Tactile Braille Periodic Table, continued from front page

and scientific conversations. He found many opportunities to contribute to the ACS Committee on Chemists with Disabilities (CWD) tactile periodic table project which aims to advance accessibility and inclusion in chemistry.

The first tactile periodic table made of 3D-printed element tiles with Braille and American Sign Language was debuted at the 2019 ACS National Meeting in San Diego. Years later, CWD members Mike Fricke and Mona Minkara championed the next-generation tactile Braille periodic table. And, at the 2025 ACS Western Regional Meeting in San Jose, attendees helped create a tactile Braille periodic table by adding raster beads to a laser-etched wooden periodic table. We led the effort to bring the tactile Braille periodic table to Stanford for its first permanent installation at a U.S. university. The October 8, 2026, celebration at the Sapp Center for Science Teaching and Learning was co-organized with the Chemistry Department and supported by the Silicon Valley ACS local section and ACS Brand Team. Attendees included ACS Board Chair, Wayne E. Jones, Jr., ACS members, Stanford students, faculty, staff, and the broader community.

The role of community has been a defining feature of the CWD tactile periodic table project, from the CWD members and the K-12 students who developed the first tactile periodic table to the broader community that contributed to the creation and installation of the tactile Braille periodic table at Stanford. These contributors included Dr. Patricia Leader of San Francisco State University, who was Adam's teacher of the visually impaired throughout his K-12 education and was was instrumental in ensuring the accuracy of the Braille on the installation; Keoki Dacoscos, who helped coordinate the installation at Stanford; Stanford's Carpentry team, whose craftsmanship was essential to the installation and the Printshop team, which fabricated the Braille and 24-point large-print signs. The ACS Brand Team contributed materials for the unveiling celebration, and Stanford students helped facilitate the activities that engaged the attendees. Stanford Center for STEMM Mentorship also provided institutional support for this effort. The collective contributions of people with different experiences, skills, and perspectives demonstrate how a shared purpose can bring people together to foster inclusion and encourage conversations about accessibility and the different ways we access science.

More broadly, ACS regional meetings, such as the 2025 Western Regional Meeting in San Jose, play an important role in the ACS ecosystem by bringing people together where they are. The geographic accessibility of these meetings creates opportunities for scientific exchange, networking, and community-building, particularly for those who may not be able to attend national meetings.

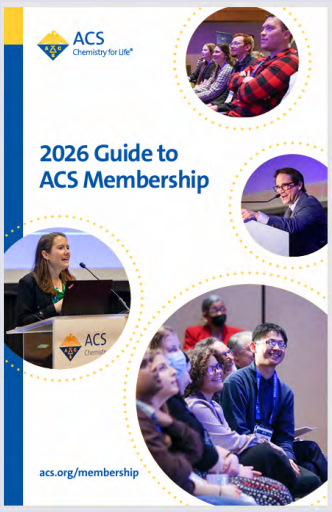
Adam's involvement in the CWD tactile periodic table project is especially meaningful given his experiences with accessibility as a student. As mother and daughter, our professional collaborations, shared service on CWD, and family experiences with Adam have shaped our commitment to accessibility, inclusion, and advocacy. The tactile periodic table project has given us an opportunity to put these values into practice. For the visitors to this installation, we hope that it fosters connections and conversations about how our contributions can promote accessibility and help to build a more inclusive and diverse community of scientists.

Join or Renew, continued from front page

and professional development tools. Whether you're a seasoned professional or just starting out, ACS has something to offer. Don't miss out on a limited time offer until 11:59 PM ET on December 11, 2026. Join or renew your membership today and take advantage of a 20% discount on the standard or premium membership package. ***Learn more about ACS Membership***

How to redeem your discount:

1. Visit ***https://membership.join.acs.org***
2. You will be prompted to log in using your ACS ID (username/password). If you don't have one or forget your login, click the appropriate link on the login page.
3. On the Review step of the application, enter the following code to apply the discount to your ACS dues: CGW20



Download 2026 Guide to ACS Membership (PDF)



Adam explores the Braille on the tactile periodic table at its installation celebration at Stanford.
Photo by Jim Gensheimer for Stanford University



From left, Adam, Keoki Dacoscos (Stanford Chemistry), and Stanford Carpentry team during installation on October 6th.
Photo by Maria T. Dulay



From left, Adam and Mike at the 2025 ACS Western Regional Meeting in San Jose.
Photo by Maria T. Dulay

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A Tactile Braille Periodic Table: Bridging Accessibility and Community in Chemistry
Stanford University, October 8, 2026

Photomontage by Yilei Wu, Stanford University



From left, Silicon Valley ACS local chair Natalie McClure, Alison C. Mody, Wayne E. Jones, Jr., Maria T. Dulay.



Unveiling of the tactile periodic table by Dr. Wayne E. Jones, Jr. (ACS Board Chair) and Keoki Dascosos (Sapp Center Building Manager, Chemistry Department).



Attendees gather at Stanford's Sapp Center for Science Teaching and Learning for the unveiling of the tactile Braille periodic table.



Stanford students and staff at the unveiling.



From left: Susan Zare, Lynette Cegelski (Chemistry faculty), Bonnie Zare, Richard Zare (Chemistry faculty)



Installation showing the 24-font large-print sign (left) and Braille sign (right) to the left of the tactile periodic table



ChemE undergrad, Chappy Goh, at the Periodic Table Trivia with other Stanford undergraduates



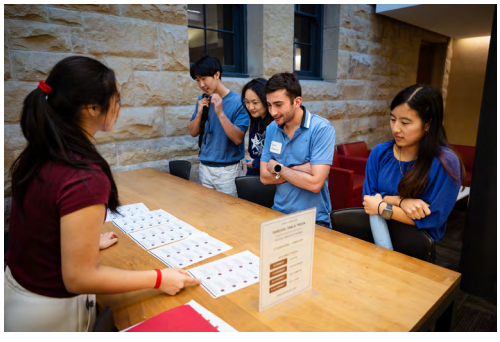
Gluing Braille raster beads onto a carved wooden board with Stanford students



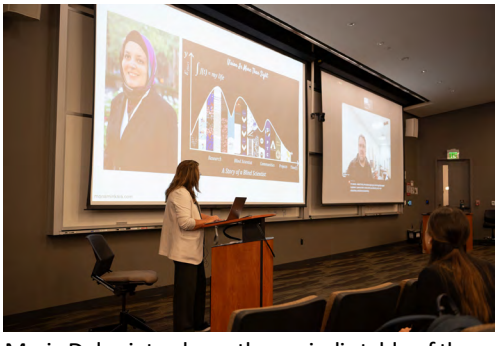
Attendees get a feel for the periodic table.



Attendees get a feel for the periodic table.



ChemE undergrad, Chappy Goh, at the Periodic Table Trivia with other Stanford undergraduates



Maria Dulay introduces the periodic table of the ACS Committee on Chemists with Disabilities with members Mona Minkara & Mike Fricke.

Chair's message

Natalie McClure

I am writing this message on election day. I hope all have had a chance to exercise your constitutional right to vote. Of course, I mean, vote in the Silicon Valley local section election for the section's Executive Committee members. In the coming days, you will receive an email with the voting procedures. Last year, 156 of our section members voted in our elections. That is about 10% of our membership. I realize that the elections are often uncontested, but we still value your input and would love to see these numbers increase.

ACS local sections depend on their members. We are a volunteer organization and we rely on volunteers to do all the fun activities that we do. There are opportunities of many different types—coordinating the selection of the Teacher Scholar award, providing mentoring and hands on experiments at local schools, helping to run the local section's chemistry olympiad program and of course getting involved in the local section governance. Everyone is welcome to attend our monthly Executive Committee meetings which are held both over zoom and in person at either Stanford or San Jose State University. If you are interested in getting more involved, please send me an email (*chair@siliconvalleyacs.org*). We are reviewing our various committee assignments, and there are openings at all levels and in all areas.

In other news, ACS is hosting a membership drive called the **Compete, Grow, Win** campaign. If you renew your membership, or switch from Community Associates to ACS member before December 11, you will receive a 20% discount on your membership fees. Be sure to enter code CGWC20. In addition to the personal savings, we will receive a $15 commission for each new member. See pages 1-2 in this newsletter for more details.

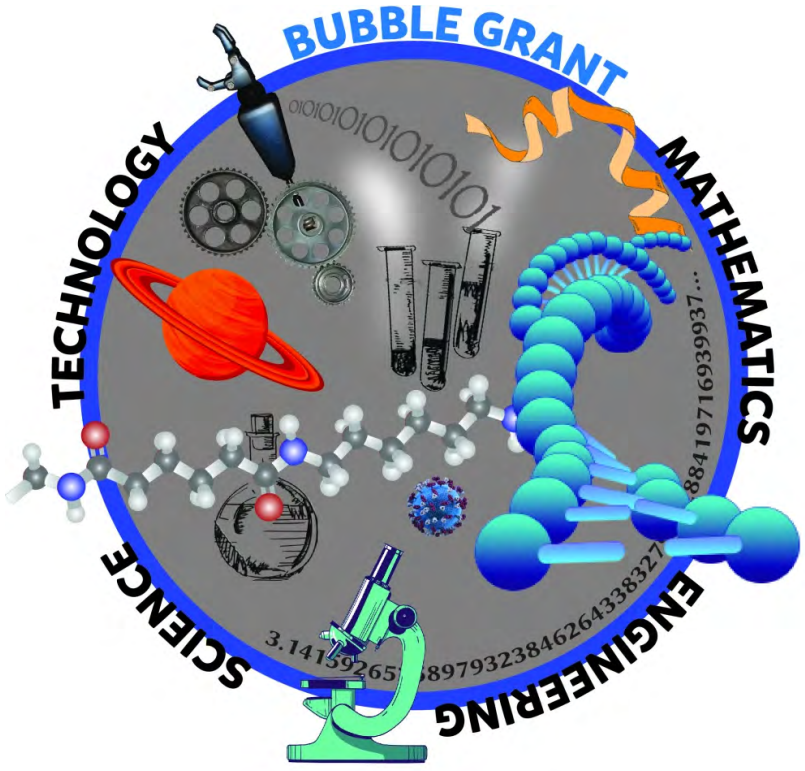
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ACS | Silicon Valley Local Section

K-12 Bubble Grant: Apply Now

K-12 Science Educators - Get a BUBBLE Grant for your classroom.

The SVACS BUBBLE Grant supports K-12 teachers in California with funds to facilitate teaching science.



For submission guidelines and project description go to

http://www.siliconvalleyacs.org/awards-funding/bubble-grant

Bubble Grant application deadline extended to December 15, 2026

CALENDAR OF EVENTS

https://www.siliconvalleyacs.org/events/

All Times Given are Pacific Time Zone

- November -

Nov 2 **The Cellular Biophysics of Biomolecular Condensates and Co-condensates**
Prof. Bo Huang, University of California, San Francisco
Sponsored by Stanford Department of Chemistry
3:00-4:00 pm, in-person, Stanford University, Sapp Center Auditorium (STLC 111), 376 Lomita Drive, ***Learn more***

Nov 2 **Silicon Valley ACS Executive Committee Meeting**
Sponsored by the Silicon Valley ACS local section
7:00-8:30 pm, hybrid event, free, guests welcome: ***contact Chair*** to attend

Nov 5 **Mapping the Future of Polymer Innovation with AI: What's Hot, What's Not, and What's Next**
Sponsored by ACS Webinars and CAS
8:00-9:00 am, Online, Free, ***Registration required***

Nov 5 **Reinventing Yourself: Career Pivots and Second Acts in Science: ACS Virtual Office Hours**
Sponsored by ACS Careers
9:00-10:30 am, Online, Free, ***Registration required***

Nov 7 **Two Centuries of Chemistry, One Afternoon of Ideas: CACS-ACS Seminar Celebrating ACS 150th, Cal ACS 125th, & CACS 45th Anniversaries**
Prof. Jian Qin, Stanford University, *Engine, Entropy, Information, and Chemical Science*; and Prof. Bingqing Cheng, UC Berkeley, *Machine Learning in Simulations and Materials*
11:00 am-3:00 pm, In-person at UC Berkeley: Latimer Hall Room 120 (Presentations) and Tan Kah Kee Hall Lobby (Lunch), $20 per person, Free for CACS Members and Students, ***Learn more and register***

Nov 10 **Science Has a Voice. Is Yours Part of It? An ACS Town Hall on Advocacy, Advisory, and Action**
Sponsored by ACS Webinars and ACS Presidential Task Force
10:00 am-11:00 am, Online Free, ***Registration required***

Nov 11 **AI and the Expanding Computational Toolbox for Chemistry**
Prof. Connor Coley, MIT
Sponsored by Stanford Department of Chemistry
3:00-4:00 pm, in-person, Stanford University, Sapp Center Lecture Hall (STLC 114), 376 Lomita Drive, Free, ***Learn more***

Nov 12 **The Accessibility Equation: What ADA Title II Means for STEM Education**
Sponsored by ACS Webinars and ACS Office of Inclusion and Belonging
11:00 am-Noon, Online, Free, ***Registration required***

Nov 12 **Optimizing Polymer Synthesis and Advanced Material Processes with Artificial Intelligence and Machine Learning**
Prof. Rigoberto Advincula, University of Tennessee, Oak Ridge National Laboratory
Sponsored by Golden Gate Polymer Forum
6:00 pm-7:00 pm, Online, Free/$5 Donation, ***Registration required by Nov. 11 at 1pm***

Nov 13 **Belonging, Identity, and Empowerment: Building Pathways for Women Chemists of Color!**
Prof. Stephanie Knezz, Northwestern University
Sponsored by ACS Women Chemists Committee
Noon-1:00 pm, Online, Free, ***Registration required***

Nov 14 **Building Communities that Transform Chemistry Education for a Sustainable Future**
Juliana Vidal, PhD, Beyond Benign
Sponsored by California ACS Women Chemists Committee
10:30 am-12:30 pm, Online, Free
Registration required | ***Download flyer (PDF)***

Nov 18 **Preparing for a Successful Interview**
Sponsored by ACS Careers
9:00 am-10:30 am, Online, Free, ***Registration required***

Nov 18 **ORCID 101: The ORCID iD and Record**
Sponsored by ORCID Open Researcher and Contributor ID US Community
Noon-1:00 pm, Online, Free, ***Registration required***

Nov 19 **Bridging Two-Year and Four-Year Chemistry Education: Y2C CHAS Chat**
Sponsored by ACS Division of Chemical Health and Safety (CHAS)
1:00 pm-2:00 pm, Online, Free
Registration required | ***Learn more about Y2C***

Nov 19 **Using DNA Library Barcodes as Flashlights in a Black Box**
Sponsored by Southern California ACS local section
2:30 pm-3:30 pm, Online, Free, ***Registration required***

Nov 21 **Cal ACS – Celebration 125th Anniversary – Project SEED Alumni Symposium**
Sponsored by California ACS local section
Noon-3:00 pm, In person, USDA Western Regional Research Center, 800 Buchanan Street, Albany, CA, Free, ***Registration required before Noon on November 13th***

Nov 23 **Redesigning Translation Systems for Bioproduction of New Catalysts, Therapeutics, and Materials**
Sponsored by Southern California ACS local section
3:00 pm-4:00 pm, Online, Free, ***Registration required***

- December -

Dec 7 **Silicon Valley ACS Executive Committee Meeting**
Sponsored by the Silicon Valley ACS local section
7:00-8:30 pm, hybrid event, free, guests welcome: ***contact Chair*** to attend

SVACS Recognized by the San Jose Public Library for Chemists Celebrate Earth Week & National Chemistry Week Events

*This article was **reprinted** from a San Jose Public Library Blog post of October 22, 2026.*

San José Public Library (SJPL) is recognizing volunteer groups, highlighting teams that have gone above and beyond to support their communities while working hand-in-hand with their friends. We are thrilled to highlight the successes of several stellar SJPL Volunteer Groups throughout our great city.

Our volunteers generously devote their time and talents to strengthen our libraries—championing literacy, expanding access to resources, and enriching the library experience for everyone in our community. They are a vital part of our library family, and we deeply appreciate all that they do.

Please join us in congratulating the following group!

Group Name: American Chemical Society
Nominated by Bridget Kowalczyk, Librarian Youth Services Unit at the Dr. Martin Luther King, Jr. Library

"A dedicated group of professionals from the American Chemical Society - Abby Kennedy, Jigisha Shah, Linda Brunauer, Natalie McClure, Melody Esfandiari, Elizabeth Migicovsky - has made a profound and positive difference in boosting awareness and excitement for STEM at the King Library in the hearts and minds of our families for nearly 20 years! Twice a year this group of scientist educators leads a variety of fun, interactive experiments in the Children's Room, bringing a crew of student volunteers from San José State University and Santa Clara University to inspire and guide young minds in exploring the magic and mystery of chemistry. Every program has a unique theme and related experiments to engage students in gaining an appreciation for the topic, from photography to glaciers to mysteries found in the woods to the healing power of chemistry and beyond. Over the years, kids have learned how bears survive winter cold and how to make dry ice bubbles, dyes from insects, fruit batteries, graphite circuits and much, much more! Every year, the program's popularity grows as is evidenced by the increasing number of participants. The American Chemical Society brings their expertise and knowledge to our community and they deserve recognition and thanks for being a King Library Youth Services Volunteer Group."

ACS National Chemistry Week celebration

Martin Luther King Library, San Jose October 24, 2026

















Volunteers from SJSU, Santa Clara University & SVACS engage the community in hands-on science

2026 Election of SVACS Officers, Councilors, Alternate Councilors for 2027

Voting Period: November 6-20, 2026

Silicon Valley ACS members will receive an email notification to cast their votes online.

To help you be more informed when you receive this notification, a sample ballot is shown below. Please also see ***duties*** for each position. Biographies and candidate statements will be posted by November 5, 2026, on the ***Silicon Valley ACS website***.

The ballot will include these open positions:

- **Chair-Elect** *(3-year commitment: Chair-elect 2027, Chair in 2028, and Immediate Past Chair in 2029)*
- **Secretary** *(2-year term, 2027-2028)*
- **Councilor** *(2 open positions for 3-year terms, 2027-2029)*
- **Alternate Councilor** *(2 open positions for 3-year terms, 2027-2029)*

ACS is your Society! Voting in an ACS Election is one of many ways to engage and stay connected. The ability to vote in ACS Elections is granted to all ACS regular members who are on standard or premium packages. Society Affiliates cannot vote in ACS Elections, serve in national volunteer roles or hold an elected ACS office. Undergrad Members of the Society cannot serve in national volunteer roles or hold elected office within ACS. ***Learn more***

Sample Ballot

Chair-Elect

3-year commitment, will be Chair-elect 2027, Chair in 2028, and Immediate Past Chair in 2029
VOTE for ONE (1)

- [TBD]
- Write-in _____

Secretary

2-year term, 2027-2028. Vote for ONE (1)

- Jigisha Shah
- Write-in _____

Councilor

2 open positions for 3-year terms, 2027-2029. Vote for TWO (2)

- Natalie McClure
- Joseph Monarres
- Write-in _____

Alternate Councilor

2 open positions for 3-year terms, 2027-2029. Vote for TWO (2)

- Amanda Nelson
- Aneelman Brar
- Write-in _____

ACS Creates Six New Public Policy Fellowships



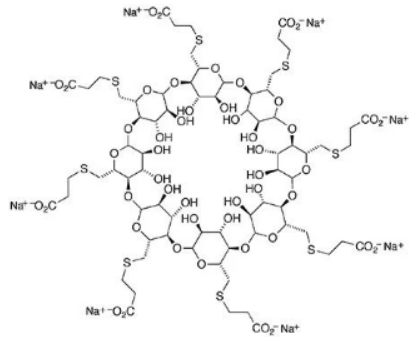
Make science matter where decisions are made. Become Become an ACS Public Policy Fellow to share your scientific expertise with lawmakers, inform U.S. science policy, and address today's most critical challenges.

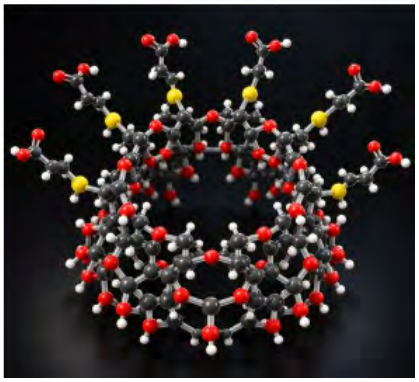
ACS is expanding its Public Policy Fellowships Program with six new fellowship positions, creating additional opportunities for scientists to engage in federal policymaking.

Application Window: November 16, 2026 – January 5, 2027. ***Learn more and apply***

CHEMISTRY Quiz

I'm a big name in recovery from surgery. What molecule am I?





Answer

Contributors to this Issue

Grace Baysinger
Eefei Chen
Maria Dulay
Jane Frommer
Natalie McClure
Alison C. Mody
Jigisha Shah

Bay Area Science Festival 2026

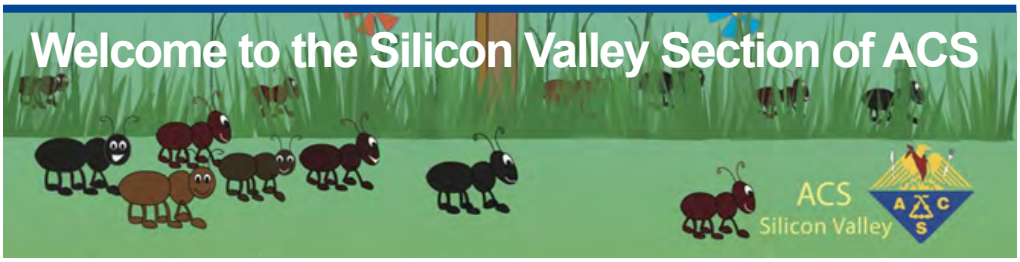
October 17, 2026 UCSF Mission Bay Campus







SVACS volunteers engage the community in hands-on science



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 our newest scientists - students. As a welcoming gesture, the SVACS Executive Committee offers new members free attendance at a catered SVACS event.

To register as our guest for a catered event, ***contact us*** directly to receive complimentary admission for you and a friend.

Join us for an outreach activity, like judging at a local science fair, proctoring the high school Chemistry Olympiad, or participating in National Chemistry Week hands-on experiments.

The Silicon Valley local section is a volunteer organization.

Attend an event, volunteer to help, and get to know your local fellow chemists!

New SVACS Members

Shreya Milind Athalye
Stacie S. Canan
Harlan E. Clark
Roger C. Diehl
Qixiang Geng
Hannah Glesener
Rajan Jain
Dennis H. Leung
Nicole Loomis
Jitendra Marwaha
Catherine McCaughey
Shang Ning
Lauren Elizabeth Ohman
Marco Reinhard
Priyanka Rout
Erin Ruane
Mark Ryan Salazar
Devansh Sanghavi
Parth Shah
Armon Sharei
Andres Soohoo
Yuanqiu Tan
Eva Tang
Jacob VanderRoest
Paul F. Weller
Philip Wen
Rongzhen Wu
Charles Feng Yang
Francis Yoshimoto

The ACS at 150
A History Book



"This commemorative volume brings together personal reflections and essays from ACS Divisions, past and present ACS CEOs, and other voices that have shaped our recent history."

Download pdf for free

ACS National Election Results for 2027 President-Elect and Directors

WASHINGTON, Oct. 14, 2026 — The American Chemical Society announces the results of its recent election. Society members elected the following officers and members of the Board of Directors for 2027:



President-Elect
Lisa McElwee-White, Distinguished Professor of Chemistry, University of Florida

Board of Directors District III
Stephanie S. Watson, Research Chemist, National **Institute of Standards and Technology**

Board of Directors District VI
Anna G. Cavinato, Professor Emeritus, Eastern Oregon University

Director-at-Large

Beth A. Lorsbach, Group Executive, Portfolio Solutions and Chief Technology Officer of Crop Protection at Nufarm
Carolyn Ribes, Business Analytical Leader, Dow Chemical

These newly elected officers will join or continue service on the ACS Board of Directors in 2027. The list of current board members, their photos, official biographies, and other information about Society governance are available on the ***ACS website***.

ACS National Award Nominations Now Open

Nominations for the 2028 National Awards are open from August 5 to December 5, 2026.
Designed to recognize chemistry in all its branches, from groundbreaking research and commercialization to public service and doctoral work, ACS' National Awards are the perfect opportunity to recognize an inspiring chemist in your community.
Visit the ***ACS National Awards*** website for more information and to submit a nomination.
Also see:

- ***ACS seeks nominations for the 2028 ACS National Awards***, *C&EN, September 10, 2026*
- ***ACS names 2027 National Award winners***, *C&EN, August 31, 2026*
- ***Chad Mirkin named 2027 Priestley Medalist***, *C&EN, July 17, 2026*



Chad A. Mirkin Credit: Tricia Scully/International Institute for Nanotechnology at Northwestern University

ACS and NOBCChE Partner to Advance Chemists and Chemical Engineers

"WASHINGTON, Oct. 8, 2026 — The American Chemical Society (ACS) and The National Organization for the Professional Advancement of Black Chemist and Chemical Engineers (NOBCChE) have entered into a memorandum of understanding (MOU) to foster collaboration and knowledge sharing that support professional development, provide opportunity into chemistry and related fields, and expand experiences for students and professionals throughout their careers.
Under this agreement, ACS and NOBCChE will work together to advance the chemistry enterprise by expanding access, opportunity, and participation; strengthen pathways for students and early-career professionals; amplify the visibility and impact of talent and contributions across chemistry and related fields; and foster collaborative programs that align ACS' leadership in chemistry with NOBCChE's focus on community, infrastructure, and long-term impact.
Potential areas for collaboration include professional development, programming and events, leadership development, science communications, student engagement, and policy-related activities."
Read the full news release

CHINESE AMERICAN CHEMICAL SOCIETY
華美化學與化工學會

ACS

CACS-ACS CELEBRATION

Celebrating ACS 150th, Cal ACS 125th & CACS 45th Anniversaries

TWO CENTURIES OF CHEMISTRY, ONE AFTERNOON OF IDEAS

Please join us for a seminar spanning the discipline's deepest roots and its newest tools along with delicious Chinese Food



Prof. Jian Qin
Stanford University

"Engine, Entropy, Information, and Chemical Science"



Prof. Bingqing Cheng
UC Berkeley

"Machine Learning in Simulations and Materials"

Saturday, November 7, 2026 | **11:00 AM - 3:00 PM**

Latimer Hall Room 120 (Presentations)
Tan Kah Kee Hall Lobby (Lunch) | **UC Berkeley**

Tickets: $20 per person | Free for CACS Members and Students

Contact: cacs.norcal@gmail.com

National Center for Science and Engineering Statistics: Latest Analyses & Data



The National Center for Science and Engineering Statistics (NCSES) is a principal statistical agency located within the National Science Foundation (NSF). ***Learn more***

Business R&D Performance in the United States Increases to $765 Billion in 2024 (Published: October 29, 2026)

"Businesses continued to increase their research and development (R&D) performance in 2024, spending $765 billion on R&D in the United States—a 6.0% increase from 2023. Funding from the companies' own sources accounted for $679 billion of total spending in 2024, and funding from other sources accounted for the remaining $86 billion." ***Read Analysis*** | ***View Data Tables***

U.S. Nonprofits Reported Decline in Spending on Internal R&D Activities in FY 2024; Increase in Funding for External R&D (Published: October 7, 2026)

"U.S. nonprofits spent an estimated $29.4 billion on research and experimental development (R&D) performed within their organizations in FY 2024, a decline of 4% in current dollars from FY 2023 (***figure 1***). In addition, nonprofits spent an estimated $10.5 billion on grants and contracts provided to other organizations to conduct R&D, an increase of 33% from FY 2023 (***figure 2***)."

Read Analysis | ***View Data Tables***

Doctorate Recipients from U.S. Universities: 2025 Data Tables (Published: September 25, 2026)

"The Survey of Earned Doctorates is an annual census of research doctorate recipients from U.S. academic institutions that collects information on educational history, demographic characteristics, graduate funding sources and educational debts, and postgraduation plans." ***View Data Tables***

R&D Performance within Department of Defense Facilities Increased 16% while R&D within Civilian Federal Facilities Decreased 14% in FY 2025 (Published: September 24, 2026)

"In FY 2025, federal agencies' expenditures for research and experimental development (R&D) performed within federally owned and federally operated facilities totaled $52.9 billion, an increase of 7% in current dollars from $49.4 billion in FY 2024 (***table 1***). These data include annual expenditures for R&D performed within federal facilities, which includes work performed by federal employees, military personnel, and onsite contractors. Note that this survey does not include the 41 designated federally funded research and development centers (FFRDCs), which are surveyed separately."

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FFRDC Research and Development Survey 2025 (Published: August 20, 2026)

The FFRDC Research and Development Survey is the primary source of information on separately accounted for research and development expenditures at federally funded research and development centers in the United States.

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National Patterns of R&D Resources 2023-2024 (Published: February 27, 2026)

Discover research and development trends in government, industry, higher education, and federal research centers.

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AAAS Federal Science Budget Analysis News and Reports



"American Association for the Advancement of Science (AAAS) is a leading source for data and timely analysis of trends in US federal research and development (R&D) funding. Since 1976, they have served as a go-to resource for those seeking to understand long-term changes and recent policy developments affecting federal science budgets. Each year they analyze the US president's budget request, monitor Congressional debates and bills, and keep an eye on longer-term R&D budget trends in the United States and in other countries to provide timely and objective information and perspectives for policymakers and the science and engineering community." ***View recent federal budget analysis news***

Global R&D Funding, Publishing, and Patenting Dashboard

A dashboard containing historical data about country-level R&D funding trends

"AAAS publishes an annual report looking at the state of US R&D and how it compares to other global leaders. The report compiles data from several international organizations that track selected metrics for R&D productivity; the Organisation of Economic Cooperation and Development (OECD) Main Science and Technology Indicators, Clarivate Essential Science Indicators, and the World Intellectual Property Organization (WIPO) Statistical Database."

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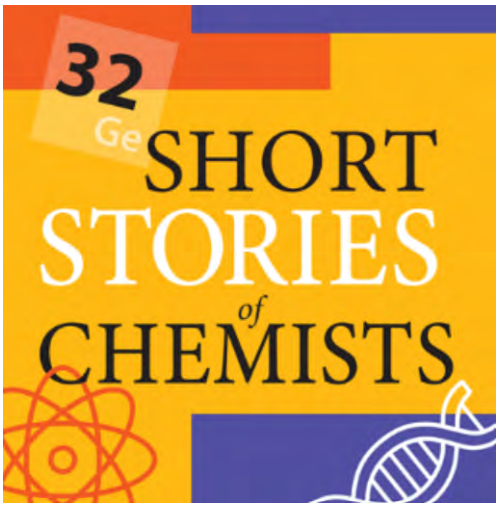


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Association of American Universities (AAU) News - The hub for public statements, blogs, articles, newsletters, and the latest research happening at America's leading research universities

32 Short Stories of Chemists and their Chemicals



"Podcasts with Steven Bachrach and Carmen Nitsche, ***Thirty-Two Short Stories of Chemists and Their Chemicals*** captures the excitement of chemistry through stories of some of its heroes and tales of how specific chemicals have made an impact on all of our lives.

The title is an homage to the movie Thirty-Two Short Films about Glenn Gould, which presents short vignettes that collectively paint a picture of Gould's life and artistry. The podcast presents vignettes that each center on one or a few chemicals and the chemists who discovered or developed them. Collectively, these stories will reveal how women and men devoted their energies and intellects towards solving important problems that affect us all. Each chapter intertwines history, chemistry, and the lives of chemists.

The stories consider chemicals and chemists who may be familiar to many listeners, and some cases that are unfamiliar but no less interesting. The discovery of the structure of DNA interweaves the impact of the double helix with a Rashomon-like retelling of the personal interactions of Watson, Crick, Wilkins, Franklin, and Pauling. CRISPR has captured the imagination of many hopeful for radical cures — but how many people know it originated with two graduate students who noticed a repeat sequence in bacterial DNA, part of a defense mechanism against viruses, before becoming a race for the Nobel Prize and a battlefield over patent rights?

Less familiar stories sit alongside them: how uranium and plutonium were stockpiled in cities built from scratch at Oak Ridge and Hanford, where a corrosive compound gave purpose to the accidentally discovered Teflon; how dyed cloth became a symbol of power, with purple worth more than gold; and how a chance discovery by an eighteen-year-old student launched the first chemical factory."

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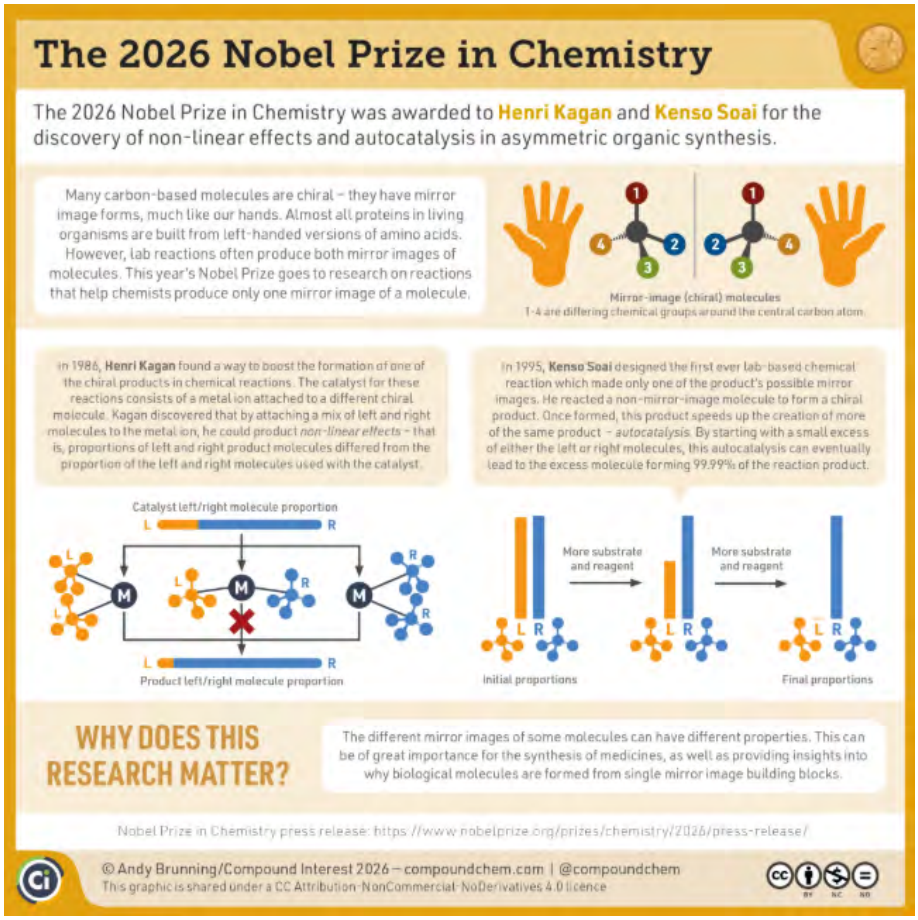
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