



The San Diego Chemist

American Chemical Society
Volume 34, Number 1

San Diego Section
January 2022



*We wish you and yours
a happy and healthy New Year!*

CHAIR NOTES

Dearest Colleagues and Friends,

I am honored to spend 2022 as Chair of the San Diego Section of the American Chemical Society. It is truly a humbling experience to be part of a succession of such exemplary individuals and to continue to work alongside colleagues who possess such an incredible wealth of knowledge, talent, and experience. I look forward to collaborating with the Executive Committee to make our Local Section an organization that our members will be proud to call theirs.

I would like to start by thanking **Jim Shih** for his leadership, mentorship, and hard work to see our Local Section through the worst of the pandemic. Secondly, I would like to recognize the lifetime of service my late colleague, **Tom Beattie**, has given to the Section and our community. The Local Section owes him a debt of gratitude for his voluminous contributions, which has helped to make our organization a fixture of the San Diego STEM community. Thirdly, my warmest thank-you goes out to **Renate Valois** for her decades of dedication to the Local Section to bring us the monthly newsletter, *The San Diego Chemist*. It is an understatement to say we will miss her; I wish her health, happiness, and success in her next adventure. Her replacement will be **Carolina Ibarra** at caroibarra82@gmail.com

I would also like to send out a big congratulations to our recently elected Executive Committee members. Also, a special recognition to our newest members, **Christina Vialva**, **Leeza Gutierrez**, and **Sean Anderson**. I look forward to helping you develop your potential as leaders in this space and hope that 2022 will mark the beginning of many years of service to our community.

Our next Executive Committee Meeting will take place the evening of Thursday, January 6th, over Zoom. I invite all our members to attend. A link to join the meeting will be sent out over e-mail. If you would like to share your ideas but cannot attend, please send me your feedback to jpgg@sandiegoacs.org or through one of our social media channels such as [Discord](#). Your input is important towards helping us provide the kinds of professional, educational, and social opportunities you would like to see and experience. On that note, volunteers are the lifeblood of our Local Section. There is a wealth of volunteer opportunities available such as serving on committees or engaging in community outreach. See the last page of the newsletter to see which committees have vacant positions. I thank our volunteers in advance for the time and energy they will dedicate during the upcoming year.

The theme for 2022 is *Bonding with Chemistry*. I hope to promote a variety of monthly meeting topics related to this theme and embody it in a figurative sense. Chemistry has a reputation as an elitist discipline. My goal is to strengthen our bonds with the general public and demonstrate that our organization is inclusive, welcoming and that chemistry is for everyone.

In February, we will organize an event called *The Art and Chemistry of Glass*. Artist, **Kathleen Mitchell**, and I will collaborate to bring you a fascinating demonstration of the scientific principles that turn sand into works of art. Details about this event will be forthcoming in the next few weeks. March will be one of the most eventful months of the year for our section. The ACS National Meeting will be held here in America's Finest City! The *San Diego Science Festival* at Petco Park is also planned for March. I hope to see many of you there.

Aside from these and other special events planned throughout 2022, I look forward to our perennial favorites. These include the monthly seminars, EarthFair, Family Picnic, 50-/60-Year Member Luncheon, MedChem Symposium, ChemExpo, and Distinguished Scientist Award.

Finally, on behalf of the Executive Committee of the San Diego Section of the ACS, I wish you a happy holiday season and a prosperous new year!

Warm regards,

Juan P. Gonzalez, 2022 Chair
San Diego Section of the American Chemical Society
E-mail: jpgg@sandiegoacs.org
Web: www.sandiegoacs.org

THE SAN DIEGO CHEMIST, the official newsletter of the San Diego Section of the American Chemical Society, published on a monthly basis, can be viewed at <http://www.sandiegoacs.org/newsletter/>.

All contents are published at the discretion of the Section's Executive Committee. Events of interest to chemistry professionals in the community may be included in the events calendar as space permits and are subject to editing for brevity. Advertisements and announcements from the chemistry community are accepted at published rates. The deadline for items submitted is **the 20th of the month** for publication by the end of that month.

Advertisers: Ad prices as of January 1, 2015:
Size (w x h) Number of Issues & Price/Issue

| | 1 | 3 | 6 |
|--------------|-------|-------|-------|
| 2" x 3" | \$ 75 | \$ 68 | \$ 58 |
| 4.5" x 1.5" | \$ 80 | \$ 74 | \$ 67 |
| 4.5" x 4.75" | \$200 | \$184 | \$163 |
| 8.5" x 5.5" | \$400 | \$360 | \$310 |
| full page | \$655 | \$590 | \$510 |

Discounts will be available for issues not shown. Please send your jpg to:

Carolina Ibarra at caroibarra82@gmail.com

SECTION E-MAIL LISTSERVER!

Get up-to-the-minute reminders of local events and develop dialogs with your fellow members!

To subscribe to our moderated listserver:

1. Send an e-mail with SUBSCRIBE TO LISTSERVER in the subject line, and your name and e-mail in the body of the message to **Ken Poggenburg** at jkp135@att.net.
2. If you receive a message from the postman, reply to confirm that you wish to be added to the list, otherwise it will not take effect.
3. You will receive reminders approx. 5-7 days prior to upcoming events and messages of general interest to members.
4. To post topics for discussion, or informational items to the listserver members, send the message to sandiego-chemist-l@ucsd.edu.
5. If the moderator approves the post, it will be sent to the members.

NOTE: That is the letter "l", not the number "one" following the word "chemist".

Executive Committee Meeting Dates 2022

6:30– 8:00 PM

| | | |
|----------|-----------|---|
| Thursday | January | 6 |
| Thursday | February | 3 |
| Thursday | March | 3 |
| Thursday | April | 7 |
| Thursday | May | 5 |
| Thursday | June | 2 |
| Thursday | July | 7 |
| Thursday | August | 4 |
| Thursday | September | 1 |
| Thursday | October | 6 |
| Thursday | November | 3 |

Zoom Meetings until further notice



The San Diego Section of the American Chemical Society would like to thank our Corporate Sponsors. Here are a few examples of our annual outreach programs that are made possible by their generous donations:

Mad Science - Stage demonstrations for 4th and 5th graders which make science fun for kids! Last year the program was viewed by over 8000 students in low-income areas and from military families.

ChemExpo - A science event for middle and high school students held in Balboa Park annually for the past 27 years. It features live stage demonstrations and interactive booths that teach kids about applied science. Last year over 1000 local students participated!

EarthFair - We participate in the world's largest free annual environmental fair, held in Balboa Park.

NON-PROFIT ORGANIZATIONS!

Does your non-profit organization have an upcoming event that might be of interest to members of the ACS - San Diego Section? If so, please send your announcement to our 2022 Chair, Juan Gonzalez-Gonzalez at jpgg@sandiegoacs.org. Once approved, Juan will see that your announcement is published on our website (www.sandiegoacs.org) and, if received by the 20th of the month before the event, in *The San Diego Chemist* newsletter. This is a free service of the ACS - San Diego Section. Take advantage of it!

ATTENTION ADVERTISERS

Did you know that *The San Diego Chemist* is the only monthly e-newsletter that targets chemists and chemical engineers in San Diego and Imperial Counties? As soon as our newsletter is uploaded on www.sandiegoacs.org a separate notification is sent to the **2,500 members** of the ACS-San Diego Section, each potential customers for your products and services! **Quick turnaround:** Ad copy submitted by the 20th of each month will be published by the end of that month.

For more information, please contact: Carolina Ibarra at caroibarra82@gmail.com

CHEMISTRY JUDGES NEEDED

Judging by professional societies at the 68th Annual Greater San Diego Science & Engineering Fair will take place on **Wednesday, March 16th, 1:00 to 3:00 PM**. For more information, please contact **Ken Poggenburg** at jkp135@att.net

VOLUNTEERS NEEDED

EARTH DAY - EARTHFAR 2022

Sunday, April 24, 2022, Balboa Park • 10am - 5pm

San Diego ACS volunteers will set up a table in the Children's Activity Area. This special area has crafts, games, face painting, storytelling, and hands-on activities for children of all ages. Activities are intended to educate, entertain and inspire youth, in the spirit of Earth Day.

Please contact **Juan P. Gonzalez-Gonzalez**, jpgg@sandiegoacs.org, to volunteer Sunday, April 24, 2022. We need 3-4 persons for each of the 3-4 hour shifts on April 24th. Please support us and share your care for our earth, chemistry education, and the San Diego ACS!

HPLC 2020 IN SAN DIEGO

Due to the extraordinary circumstances we have all found ourselves in surrounding the coronavirus (COVID-19) pandemic, we are genuinely disappointed to announce that we must postpone the HPLC conference based on CDC guidance and shelter in place orders. As the health and safety of all of our participants remains our primary concern, the HPLC conference is postponed and will take place at the same location on **June 18-23, 2022** at the Town and Country Resort hotel and conference center in San Diego, CA.

For more information please visit <https://www.hplc2020-usa.org/>

ACS-Hach Programs

Please see <https://www.acs.org/content/acs/en/education/educators/acs-hach-programs.html> for application dates.

The ACS-Hach Programs provide financial support for future and current high school chemistry teachers. [Learn more.](#)

Contact us: Email: hach@acs.org -- Phone: (800) 227-5558 ext. 8178

ACS Webinars™

Welcome to ACS Webinars, your source for online live and on-demand content, created by the American Chemical Society.

Please join us weekly, Thursdays at 2pm ET.

For more information and upcoming Webinars see: <https://www.acs.org/content/acs/en/acs-webinars.html>

JANUARY IN CHEMISTRY

<https://web.lemoyne.edu/~giunta/January.html>

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2022 ACS REGIONAL MEETINGS

| | | |
|---|---------------|----------------|
| Middle Atlantic Regional Meeting (MARM) | June 1-4 | Ewing, NJ |
| Northeast Regional Meeting (NERM) | October 2-5 | Rochester, NY |
| ACS Midwest Regional Meeting (MWRM) | October 19-22 | check for info |
| Western Regional Meeting (WRM) | October 19-22 | Las Vegas, NV |



LOOKING FOR A CHEMIST?

CHEMPLOYMENT IS THE ANSWER!

THE SAN DIEGO CHEMIST

is read by nearly 3000 chemists and biochemists in San Diego and Imperial Counties.

A two-month ad costs only \$80

For information contact: Carolina Ibarra at caroibarra82@gmail.com

CHEMISTRY FOR YOU AND YOUR KIDS

How To Give Pepper Some PEP!

You will need

- Safety glasses
- 8-oz cup or small bowl
- black pepper
- baby powder
- liquid dish detergent

Safe Science Tip:

Both baby powder and pepper can irritate eyes, nose, and throat. Shake both the pepper and the baby powder away from your face.

1. Fill the cup with water and cover the surface of the water with a thin layer of pepper.
2. Place a drop of detergent in the middle of the pepper. Describe what happens. Does any pepper sink or does it just move?

What do you think is making the pepper move? Put a second drop of detergent in the water. Does the pepper do the same thing again? Why or why not?

3. Wash out the cup very well, but this time put baby powder on the water instead of pepper. Add a drop of detergent as in step 2. What happens this time? Is it different from the pepper? Why do you think it acts this way?

Excerpt: "The Best of WonderScience," pg. 125, Delmar Publishers, 1997

ATTENTION COMPANIES!
Do you hire student workers?

If you have open positions in chemistry and biochemistry that would be of interest to college students, such as summer internship opportunities, here is a list of contacts you'll want to keep handy. The people listed below are the faculty advisors of the ACS Student Affiliate groups for all chemistry programs in San Diego County. These professors can get the word out to all chemistry and biochemistry majors at their schools about jobs, career fairs, open houses, etc.

California State University, San Marcos

Jacqueline Trischman
trischma@csusm.edu
 760-750-4206

Point Loma Nazarene University

Sara Choung
SaraChoung@PointLoma.edu
 619-849-2627

San Diego Mesa College

Dwayne Gergens
dgergens@sdccd.edu
 619-388-2609

San Diego Miramar College

Fred Garces
fgarces@sdccd.edu
 619-388-7493

Linda Woods
lwoods@sdccd.edu
 (619) 388-7750

Southwestern College, Chula Vista

Juan Gonzalez
jgonzalez3@swccd.edu
 619-421-6700x5947

University of California, San Diego

Stacey Brydges
sbrydges@ucsd.edu
 858-246-0993

Thomas Bussey
tbussey@ucsd.edu
 858-822-6665

University of San Diego

Tammy Dwyer
tdwyer@sandiego.edu
 619-260-4030



YOUR AD HERE

Your ad in the next issue of

THE SAN DIEGO CHEMIST

For information contact:

Carolina Ibarra
caroibarra82@gmail.com

Western Regional Meeting - 2022

American Chemical Society - Southern Nevada Section

EMPOWER CHEMISTS FOR A BETTER TOMORROW



Western Regional Meeting (WRM) Information

WRM 2022 - *Empower Chemists For A Better Tomorrow*

- October 19-22, 2022
- Convention Center @ Flamingo Hotel & Casino, Las Vegas, Nevada
- Contact: [Dr. Rampur Viswanath](#)

Technical Sessions And Symposia

- Special Invited Speaker: Dr. H.N. Cheng, ACS President
- Keynote Speaker: Professor Stephen L. Buchwald, MIT
- Innovating Organometallics
- Radiochemical Separations for Nuclear Forensics and Nuclear Medicine
- Wearable Sensors/Chemistry
- Water and Waste Pollution Investigations and Treatment Management
- Recent Breakthroughs in Organic Chemistry
- Novel Applications in Mass Spectrometry
- Advances in Medicinal Chemistry

Exposition Area

- Selected Vendors
- Interactive Poster Display and Contests
- Latest Analytical Instrumentation and Data Acquisition Tools
- *Details in the next update*

Opportunities

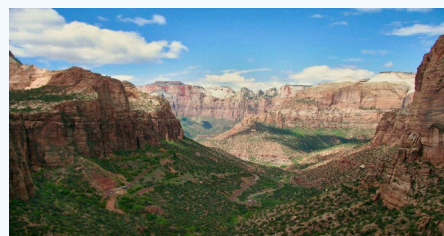
- Mentoring and Networking
- Sci-Social Mixers
- Gain Access to Contemporary Research
- Planned Local Tours of Scientific Interests
- World Class Entertainment & Fine Dining
- And Much, Much More!

Places of Interest

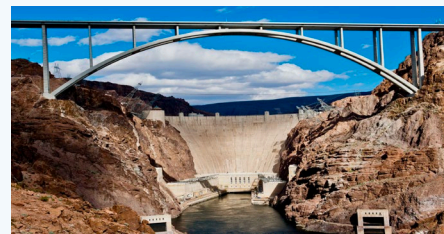
University of Nevada, Las Vegas



Zion National Park



Hoover Dam



Red Rock Canyon



Atomic Testing Museum



UPCOMING EVENTS

THE 68th ANNUAL GREATER SAN DIEGO SCIENCE AND ENGINEERING FAIR

Balboa Park Activity Center (2145 Park Blvd.)

For information please see <http://www.gsdsef.org/>

Wednesday, March 16, 2022, Judging Day

263rd ACS NATIONAL MEETING & EXPOSITION

March 20-24, 2022

San Diego, California

EARTH DAY - EARTHFAIR 2022

Balboa Park, San Diego, CA

<http://www.earthdayweb.org/>

Sunday, April 24, 2022

264th ACS NATIONAL MEETING & EXPOSITION

August 21-25, 2022

Chicago, Illinois

THE SAN DIEGO SECTION OF THE AMERICAN CHEMICAL SOCIETY

WELCOMES ITS NEW MEMBERS

Aric Bandera
Ali Bazzi
Jim Cable
James Collins
Gerald Hoffman
Wenzhong Hu
Sean Kennedy
Svitlana Kulyk
Victoria Lerda
Christopher Mahn
Bailey McMillan
Hannah Mora
Johnny Nagasawa
John Nuss
Carolyn Rafael
Rylan Rowsey
Mark Troftgruben
Chang Zhao

**2022 EXECUTIVE COMMITTEE & COMMITTEE MEMBERS
SAN DIEGO SECTION OF THE AMERICAN CHEMICAL SOCIETY**

EXECUTIVE COMMITTEE

| | | | |
|-----------------------------|---|--------|--------------------|
| <i>Chair</i> | Juan P. Gonzalez-Gonzalez, Southwestern College, jpgg@sandiegoacs.org | (2022) | 619-813-8520 |
| <i>Chair-Elect</i> | OPEN | | |
| <i>Past Chair</i> | Jim Shih, Eli Lilly & Co, jshih@sandiegoacs.org | (2022) | 626-826-3561 |
| <i>Secretary</i> | William Tolley, Seacoast Science, Inc., w_tolley@juno.com | (2022) | 858-780-0978 |
| <i>Treasurer</i> | Desiree Grubisha, Heron Therapeutics, desgrubisha@gmail.com | (2022) | 858-254-5497 |
| <i>Councilors</i> | | | |
| | Hui Cai, WuXi AppTec | (2022) | 858-361-8838 |
| | Surya K. De, Conju-Probe | (2024) | 858-337-4961 |
| | Desiree Grubisha, Heron Therapeutics | (2024) | 858-254-5497 |
| | Valerie Kuck | (2023) | 973-744-5510 |
| | Jackie Trischman, CSUSM | (2022) | 858-414-3323 |
| | David Wallace, Wallace Scientific Consulting | (2024) | 858-638-1866 |
| <i>Alternate Councilors</i> | | | |
| | Julann Miller, Waters Corporation | (2023) | 800-252-4752 x6802 |
| | Ken Poggenburg | (2022) | 760-635-2573 |
| | Ben Pratt, Pratt Pharma Consulting LLC | (2022) | 858-945-7893 |
| | Jim Shih, Eli Lilly & Co | (2024) | 626-826-3561 |
| | Shannon Woodruff, HP Inc. | (2023) | 949-735-9021 |
| <i>Members-at-Large</i> | | | |
| | Sean Anderson, Application Specialist, 3M | (2024) | 661-714-6174 |
| | Leeza Gutierrez-Ramirez | (2024) | 619-601-3612 |
| | James O'Brien, TE Connectivity | (2023) | 858-336-0654 |
| | Bill Szabo | (2022) | 858-550-0306 |
| | Joann Um, Southwestern College | (2022) | 510-823-8637 |
| | Christina Vialva, Southwestern College | (2024) | 951-287-4503 |

STANDING & SPECIAL COMMITTEES

| | | | |
|--|---|--|--------------------|
| <i>Awards Nomination Committee</i> | | | |
| | Valerie Kuck (Chair) | | 973-744-5510 |
| <i>ChemExpo</i> | | | |
| | Jackie Trischman, CSUSM | | 858-414-3323 |
| <i>Communications Committee</i> | | | |
| | Surya K. De, Supra Sciences, Inc. | | 858-337-4961 |
| | Desiree Grubisha, Heron Therapeutics | | 858-254-5497 |
| | Ken Poggenburg | | 760-635-2573 |
| | Carolina Ibarra (Newsletter Editor) | | 619-618-9240 |
| | David Wallace, Wallace Scientific Consulting | | 858-638-1866 |
| <i>Distinguished Scientist Awards Nomination Committee</i> | | | |
| | OPEN (Chair) | | |
| | Tammy Dwyer USD | | 619-260-4030 |
| | Barbara Sawrey | | 858-729-0689 |
| | David Wallace, Wallace Scientific Consulting | | 858-204-5412 |
| <i>Education Committee</i> | | | |
| | Joann Um (Chair), Southwestern College | | 510-823-8637 |
| | Valerie Kuck | | 973-744-5510 |
| | Joan Schellinger, USD | | 619-260-7960 |
| <i>EarthFair</i> | | | |
| | OPEN | | |
| <i>Finance Committee</i> | | | |
| | Bill Szabo (Chair) | | 858-550-0306 |
| | OPEN [other member(s)] | | |
| <i>Fundraising Committee</i> | | | |
| | OPEN | | |
| <i>Government Affairs Committee</i> | | | |
| | Hui Cai, WuXi AppTec (Chair) | | 858-361-8838 |
| | Ken Poggenburg | | 760-635-2573 |
| <i>Law Committee</i> | | | |
| | Ryan C. Smith, Duane Morris LLP | | 619-744-2220 |
| <i>Mad Science Program</i> | | | |
| | OPEN | | |
| <i>MedChem Symposium</i> | | | |
| | Ben Pratt (Co-Chair), Pratt Pharma Consulting LLC | | 858-945-7893 |
| | Mark Tichenor (Co-Chair), Janssen Pharmaceuticals, Inc. | | 858-334-8914 |
| | David Wallace (Co-Chair), Wallace Scientific Consulting | | 858-638-1866 |
| <i>Membership Committee</i> | | | |
| | OPEN | | |
| <i>Nominations Committee</i> | | | |
| | OPEN | | |
| <i>Outreach Committee</i> | | | |
| | Kevin McCowen, Wyatt Technology | | (801) 719-0511 |
| | Julann Miller, Waters Corporation | | 800-252-4752 x6802 |
| <i>Picnic Committee</i> | | | |
| | OPEN (Chair) | | |
| | Jim Shih, Eli Lilly & Co. | | 626-826-3561 |
| <i>Professional Development Committee</i> | | | |
| | Valerie Kuck | | 973-744-5510 |
| <i>Public Relations Committee</i> | | | |
| | OPEN | | |
| <i>Senior Chemists Committee</i> | | | |
| | Ken Poggenburg (Chair) | | 760-635-2573 |
| <i>Seniors Breakfasts</i> | | | |
| | OPEN | | |
| <i>Women Chemists Committee</i> | | | |
| | Valerie Kuck | | 973-744-5510 |
| <i>Younger Chemists Committee</i> | | | |
| | Kristen Counsell, Drawbridge | | 319-830-3097 |
| | Christopher Fisher, CG Life, | | 860-455-5297 |
| | Alexander Rovira, Janssen Research and Development | | 858-784-3013 |
| | Brittany P. Witherspoon, Janssen Research and Development | | 619-373-2436 |
| <i>Voice Mail – San Diego Section</i> | | | 619-687-5570 |