



The San Diego Chemist

San Diego Section

Volume 36, Number 5 May 2024

ACS SAN DIEGO LOCAL SECTION

CATALYZING CAREERS: SHOWCASING STEM PORTFOLIOS FOR SUCCESS

Join us for an evening focused on helping
STEM professionals showcase their
skills and land their dream jobs!



Featuring:

- Complimentary Headshots (First 15 registrants)
- Presentations by HR representatives
- Network industry professionals
- Delicious food and drinks

Thursday, May 23rd, 2024
6:00 PM - 8:15 PM
(5:30 PM arrival for complimentary
headshot recipients)

Eli Lilly - 10290 Campus Point Dr,
San Diego, CA 92121

Free Admission



Dear esteemed members,

I hope this message finds you all in great spirits and with a sense of fulfillment from our recent endeavors. I'd like to extend my heartfelt gratitude to all the incredible volunteers who dedicated their time and effort to make our recent participation in the annual **Creek to Bay Cleanup**, hosted by *I Heart and Clean San Diego*, a success! I would especially like to thank, **Juan Gonzalez-Gonzalez** for being a stellar leader in conducting our ACS group at the Mission Valley site of the clean up. Over in Chula Vista, my group successfully planted more than 50 Chollas cacti, a native plant to the Otay region that is also the preferred home of the endangered cactus wren.

I would also like to extend my warmest congratulations to all the upcoming graduating students who are preparing to embark on the next chapter of their academic and professional journeys. Your hard work, perseverance, and dedication have led you to this momentous achievement, and I have no doubt that you will continue to excel in all your future endeavors.

As you prepare to take the next step in your careers, I encourage you to consider joining us for our **upcoming May event, "Catalyzing Careers: Showcasing STEM Portfolios for Success"** This event will provide valuable insights and resources to help you navigate the dynamic and competitive landscape of the **STEM** career market. Whether you are exploring internship opportunities, seeking advice on effectively showcasing your portfolio, or are looking to network with local professionals, I highly encourage you to [register here](#).

Also **coming soon in May**, I am proud to welcome **Scott Coffin**, a well-accomplished Ecotoxicologist, who has been studying microplastics for over 10 years. Scott previously served as the lead scientist in California's implementation of SB 1422- Microplastics in drinking water, which required the State Water Board to adopt a definition of microplastics in drinking water and a standard methodology to be used in the testing for such with public disclosure of those results. During his upcoming talk, Scott will present some of his research throughout his career, his story with SB 1422, and addressing the question many of us have had recently: **"What, exactly, is there to worry about with microplastics?"**. [Register here](#).

The month to come is a reminder that giving back is just as important as pushing forward. Let us continue to inspire, innovate, and make a difference in our communities, no matter how big or small they may be.

Warm regards,

Christina Vialva
San Diego ACS Chair
Email: cvialva@sandiegoacs.org

The Science of Microplastics: Impacts on Health and Ecosystems

Dr. Scott Coffin
Pharmacokinetics Research Scientist



About the Speaker:

Dr. Scott Coffin has a PhD in environmental toxicology and serves as a Pharmacokinetics Research Scientist at the Office of Environmental Health Hazard Assessment in the California Environmental Protection Agency. Since 2014, Dr. Coffin has led research projects to characterize hazards and risks of microplastics and their associated contaminants, and currently serves as subject matter expert on the topic for the California EPA.

About the Talk:

Concerns over microplastic pollution led California to pass laws in 2018 to monitor and manage its impact on drinking water and coastal ecosystems. These laws require the State Water Resources Control Board, the Office of Environmental Health and Hazard Assessment, and the Ocean Protection Council to develop methods to analyze and monitor microplastics, assess risks to humans and aquatic life, and recommend strategies to reduce contamination. Through widespread collaboration, our working groups validated methods to analyze microplastics in drinking water as small as 20 microns – which will be used to monitor California’s drinking water supplies soon. We also convened an expert workshop to assess the impact on humans and aquatic ecosystems, finding limited evidence that microplastics may cause adverse reproductive effects and oxidative stress in mammals, and derived thresholds to assess ecological impairment. This talk covers the state’s ongoing research and actions on the topic.

TAP INTO BEER CHEMISTRY



TAP INTO BEER CHEMISTRY



TAP INTO BEER CHEMISTRY



TAP INTO BEER CHEMISTRY



TAP INTO BEER CHEMISTRY



CREEK TO BAY CLEANUP

Mission Valley- San Diego River



CREEK TO BAY CLEANUP

Mission Valley- San Diego River



CREEK TO BAY CLEANUP

Chula Vista-Otay Valley Regional Park



How Nanoscale Materials in Biosensors are Innovating Health from Concept to Care

ACS Webinars

May 8, 2024 @ 11AM PST

[Click here](#)

Beyond Ion Exchange: Advancing Wastewater Treatment in Metal Finishing

c&en Webinars

May 14, 2024 @ 10AM PST

[Click here](#)

Tools to Make Chemistry Education Accessible for Persons with Visual Impairments

ACS Webinars

May 9, 2024 @ 11AM PST

[Click here](#)

Gaining Insight into Diverse Chemical Challenges with Designed Experiments

c&en Webinars

May 21, 2024 @ 11AM PST

[Click here](#)

Meet The Heroes of Chemistry: Featuring the Scientists behind Paxlovid™, RelyX™, and Trikafta®

ACS Webinars @ May 16, 2024

[Click here](#)



c&en
CHEMICAL & ENGINEERING NEWS

Exploring Thermal Mechanics in Polymeric Materials: Thermomechanical and Self-Healing Properties

ACS Webinars

May 22, 2024 @ 11AM PST

[Click here](#)

Standardizing environmental microplastics measurement for compliance monitoring: A case study of the California program.

c&en Webinars

May 7, 2024 @ 4PM PST

[Click here](#)

**Executive Committee Meeting
Dates 2024**

6:30– 8:00 PM

June 6th

July 4th

August 1st

September 5th

October 3rd

November 7th

December 5th

[Zoom Meeting](#)



SHOW OFF YOUR ACCOMPLISHMENTS

Who can participate :

- ACS Student Chapters ✓
- Graduate Student Organizations ✓

What to do :

- Send your info. before the 15th of each month ✓
- Fill in this form ✓



[Register here](#)

ACS San Diego

presents

**THE SCIENCE OF MICROPLASTICS:
IMPACTS ON HEALTH AND
ECOSYSTEMS**



SCOTT COFFIN, PHD

Covering the state of the science of the health effects of microplastics to humans and ecosystems, and what CalEPA is doing to address them.

Register here

- ✓ May 15, 2024
- ✓ Zoom
- ✓ 6:30PM-7:30PM

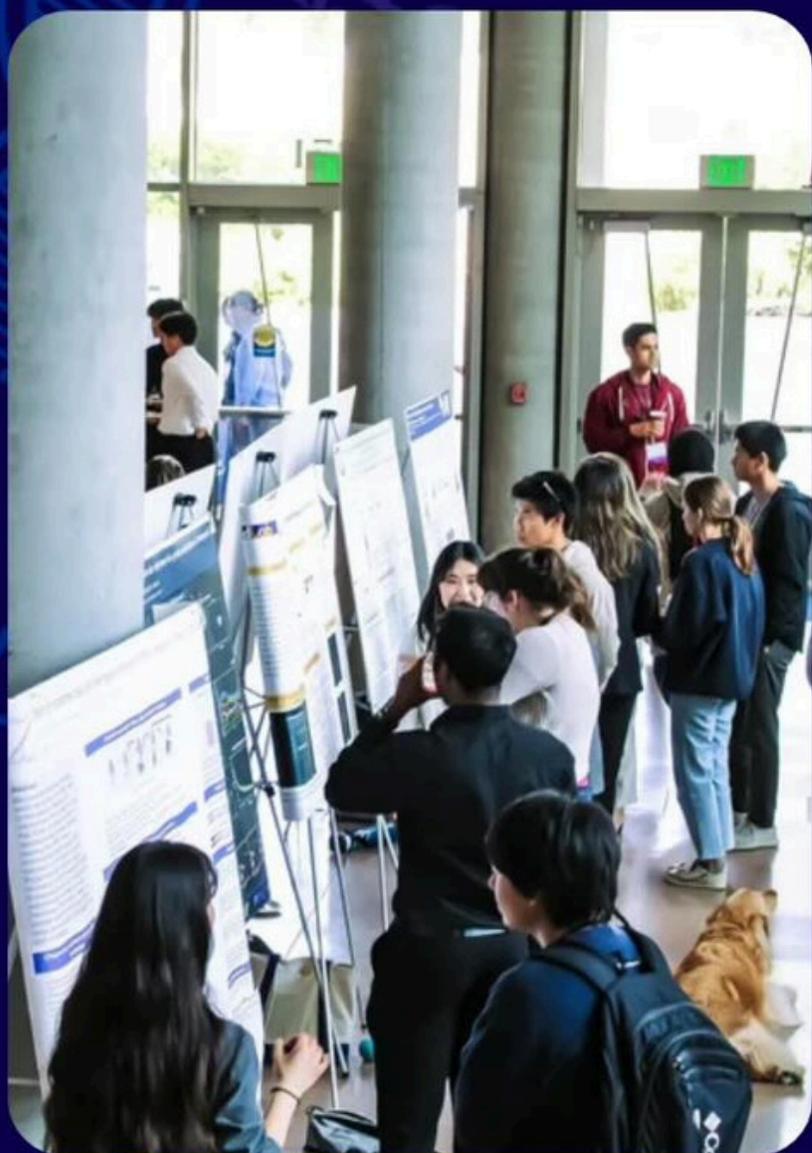


ACS-SA



Undergraduate Research Symposium

A function to showcase and highlight the work of undergraduate researchers in chemistry.



Thursday,
May 16, 2024
@Price
Center
Ballroom
East
4:00PM-
7:00PM

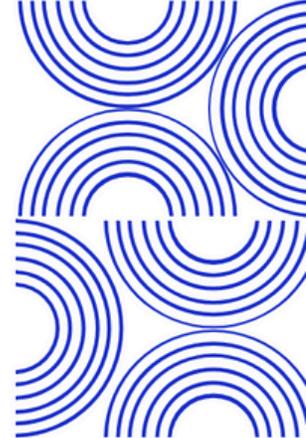


<https://linktr.ee/ucsdacssa>

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UC San Diego
CHEMISTRY AND BIOCHEMISTRY



25TH SAN DIEGO MEDCHEM SYMPOSIUM



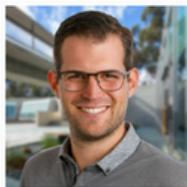
Don't miss this exciting opportunity to learn about the latest advancements in medicinal chemistry!



Dr. Peter Huang

Zentalis/Zai Lab

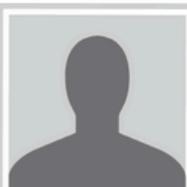
The advancement of Wee1 inhibitors for the treatment of solid tumors



Dr. Michael Erb

The Scripps Research Institute

New chemistries to target transcription



Dr. Stephen Norris

Bristol-Myers Squibb

Discovery of the Androgen Receptor Ligand Directed Degradator (AR-LDD) BMS986365



Dr. April Lukowski

UC San Diego

Title TBD



Symposium Conclusion and Lunch

TIME
TBD

Friday, July 12, 2024



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San Diego, CA 92121



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**San Diego Section, American Chemical Society
Executive Committee – Zoom Meeting
April 11, 2024, 6:30 p.m.**

Attendees: Harshada Sapre, Surya De, Christina Vialva, David Wallace, Desiree Grubisha, Jim Shih, John Palmer, Jiyue Chen, Dileep, Jackie Trischman, James O'Brien Meeting convened: 6:30 pm

Changes/Approval of February Minutes

Motion: Approve March 2024 Minutes — **Approved**

Treasurer's Report (DG)

- o Revenues:
 - Line 3: \$1200 IPG grant received by JG
 - Line 43: Received reimbursement request from 3 counselors \$8970.67
- o Expenses:
 - Line 38: \$1763.25 expense for White Labs Tour Event
 - Line 61: \$650 for 9 student awards at GSDSEF
 - Line 79: March and April Newsletter preparation \$1895
 - Line 85a: Social media activities \$837
 - Line 96: \$600 for hosting newsletter and events. Invoiced for the whole year
 - Line 99c: Line added to track IPG grant expenses

Recap of Super STEM Saturday (CV/JT/JG)

14,000 attendees. Freaky Foam Faces was the most popular activity. All tables must have an activity, cannot be just a sponsor booth, therefore the SDACS table was at the lab safety booth. Potentially discuss other options for next year regarding location for SDACS. Overall event was very successful. Considering adding more souvenirs for children at the SDACS booth to engage a larger audience.

Recap of GSDSEF (JS)

Venue was switched to Balboa Park Municipal gym. 12 judges total. 3 winners of each division. Names have been posted in the newsletter. Well-done event overall. Good balance of experimental projects and computer aided/computational biology design.

Recap of Spring National Meeting

Renaming of Biological Chemistry division to Biochemistry and Chemical Biology. Trying to figure out how to reimburse people from international divisions. Also who to send the money to. People coming who might not have direct contact with the section. Percentage of international members is quite high.

Looking for people in digital chemistry for National Chemistry Week 2024: Picture Perfect Chemistry organized by JT.

Recap of "Tap into Beer Chemistry with White Labs" (CV)

Event took place April 4th. Event was successful overall. Registration capped at 40 participants. Sold out within a week. 38 people checked in, good turnout. Tour could have been more informative chemistry wise. Pictures from the event will be put into the next newsletter. Can have future events involving food + beer and chemistry.

Chem Olympiad Status Report (CV/Joan)

March 9-10 local screening exam at USD. 107 students from 17 local high schools. National Exam on April 21 at USD. 3 part exam. Have enough volunteers. No additional help required.

April Event: Creek to Bay Clean Up (CV/JG)

April 20th, Annual Creek to Bay Clean up with I Heart a Clean San Diego. JG is team captain at mission beach. CV is a group captain at Otay regional park in south bay. Need more sign ups for locations.

May Event - "Catalyzing Careers: Showcasing STEM Portfolios for Success" (CV)

Larger event. Allow participants/ undergraduate students to hear talks from hiring managers and professionals from HR departments. What they look for in an application. Allowing first 12-15 sign-ups complimentary headshots. Allowing participants to get resume feedback and career consultation. Event hosted at Eli Lilly. Further details found in a separate document created by CV. Potentially have speakers from academia for graduate programs advice.

50,60,70-Year Membership Luncheon

Tom Ham's Lighthouse. About \$50 per person. Further details can be sent by JT. Choice of salad/soup, one entree. Proposed date of July 20th.

Advertising Open Committees (CV)

Forming short descriptions of open committees and advertise them with promotional flyers which will be sent out between event promotions, in an effort to generate more interest. YCC and Women's Chemist Committee already written. Communications committees haven't been active for a long time. The Distinguished Scientist committee is still ongoing. Can renew the senior chemist committee at the 50 year luncheon.

Call for Judges: UCSD Symposium (HS)

UCSD is having their annual undergraduate symposium from 4-7pm on May 16th 2024 in Price Center Ballroom East. Looking for more judges. Judging will take place between 5-6:30 pm.

San Diego Professional Technician Award (JT)

Proposal to form a committee of 2 to 3 people to develop the plan for the award and make it San Diego Professional Technician of the year. Award will alternate between corporate, academic or government positions each year. Awardee will be presented with \$250 and invited to the annual awards dinner with a guest.

Motion: Form a committee to develop the San Diego Professional Technician Award —
Approved

Meeting adjourned: 8:00 pm



The San Diego Section of the American Chemical Society would like to thank our Corporate Sponsors.

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 over 3000 recipients, 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 cibarra@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.

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 cibarra@sandiegoacs.org



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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

Vacant

San Diego Mesa College

Synthia Chang
schang001@sdccd.edu

San Diego Miramar College

Vacant

Southwestern College, Chula Vista

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

University of California, San Diego

Jeremy Klosterman
jkk@ucsd.edu

University of San Diego

Christopher Daley
cjdaley@sandiego.edu
619 260-4033

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cibarra@sandiegoacs.org

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SAN DIEGO SECTION OF THE AMERICAN CHEMICAL SOCIETY
EXECUTIVE COMMITTEE

Chair	Christina Vialva, cvalva@sandiegoacs.org	(2024)	951-287-4503
Chair-Elect			
Past Chair	Juan Gonzalez-Gonzalez, jpgg@sandiegoacs.org	(2023)	619-813-8520
Secretary	Harshada Sapre, hsapre@ucsd.edu		
Treasurer	Desiree Grubisha, Heron Therapeutics, desgrubisha@gmail.com	(2024)	858-254-5497

Councilors

Hui Cai, WuXi AppTec	(2025)	858-361-8838
Surya K. De, Conju-Probe	(2024)	858-337-4961
Desiree Grubisha, Heron Therapeutics	(2024)	858-254-5497
Valerie Kuck	(2027)	973-744-5510
Jackie Trischman, CSUSM	(2025)	858-414-3323
David Wallace, Wallace Scientific Consulting	(2024)	858-638-1866

Alternate Councilors

Ben Pratt, Pratt Pharma Consulting LLC	(2025)	858-945-7893
Jim Shih, Eli Lilly & Co	(2024)	626-826-3561
Juan Gonzalez-Gonzalez	(2027)	619-813-8520
Ryan Smith	(2027)	619-744-2220

Members-at-Large

Sean Anderson, Application Specialist, 3M	(2024)	661-714-6174
Max Mahler	(2027)	
Bill Szabo	(2025)	858-550-0306

STANDING & SPECIAL COMMITTEES
Awards Nomination Committee

Valerie Kuck (Co-Chair)	973-744-5510
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ChemExpo

Jackie Trischman, CSUSM	858-414-3323
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Communications Committee

Surya K. De, Conju-Probe.	858-337-4961
Desiree Grubisha, Heron Therapeutics	858-254-5497
Carolina Ibarra (Newsletter Editor & Social Media Manager)	619-618-9240
David Wallace, Wallace Scientific Consulting	858-638-1866

Distinguished Scientist Awards Nomination Committee

OPEN (Chair)	
David Wallace, Wallace Scientific Consulting	858-204-5412
Surya K. De, Conju-Probe	858-337-4961
Hui Cai, WuXi AppTec (2025)	858-361-8838

Education Committee

Valerie Kuck	973-744-5510
Joan Schellinger, USD	619-260-7960

EarthFair

OPEN

Finance Committee

David Wallace (Chair)	858-204-5412
Ryan Smith	619-744-2220

Fundraising Committee

OPEN

Government Affairs Committee

Hui Cai, WuXi AppTec (Chair)	858-361-8838
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Law Committee

Ryan C. Smith, Duane Morris LLP	619-744-2220
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Mad Science Program

OPEN

MedChem Symposium

Ben Pratt (Co-Chair), Pratt Pharma Consulting LLC
Mark Tichenor (Co-Chair), Janssen Pharmaceuticals, Inc.
David Wallace (Co-Chair), Wallace Scientific Consulting

858-945-7893

858-334-8914

858-638-1866

Membership Committee

OPEN

Nominations Committee

OPEN

Picnic Committee

Jim Shih, Eli Lilly & Co.

626-826-3561

Professional Development Committee

Valerie Kuck

973-744-5510

Public Relations Committee

OPEN

Senior Chemists Committee

OPEN

Seniors Breakfasts

OPEN

Women Chemists Committee

Valerie Kuck

973-744-5510

Younger Chemists Committee

OPEN
