



ACS
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The San Diego Chemist

San Diego Section

Volume 34, Number 8 | August 2022



GENERAL ATOMICS

Tour

**ACS LOCAL SAN DIEGO SECTION
ELECTIONS**

**Deadline for nominations:
September 25th, 2022**

**264th ACS NATIONAL MEETING &
EXPOSITION**

**August 21-25, 2022
Chicago, Illinois**

**CALLING ALL CHEMISTS
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Cover photographs, authors: [Graves, B.](#) (2019); [Jennwein, C.](#) (2016); [U.S Air Force](#). (2014).

Dear esteemed members,

Summer is starting to wind down, and chemistry students are gearing up for their next academic adventure. Did you know that **UC San Diego produces the most chemistry graduates in the country?** I was a bit surprised when I read that but given our region is such a scientific powerhouse, that's not a huge surprise, but a welcome surprise nonetheless. That fun fact makes me all the prouder to serve as your Local Section Chair and work to support the creation of unique professional, educational, and social chemically-themed opportunities for all of you.

Of course, the success of the Local Section does not hang on a single individual. Rather, it depends on the synergistic efforts of your elected Local Section representatives and our volunteers. Ever thought about becoming a voting member of the Local Section Executive Committee? There's no better time than now to think about getting involved. Local Section elections are coming up in a couple of months. If you have a desire to make a positive difference in our chemically-minded community, and have ideas to move the Local Section forward, I encourage you to run for one of our elected positions. Even if you are student-affiliate member, don't let that discourage you. We need your voice and perspective at the table! So long as you are a member in good standing with the ACS, you are eligible to run for an elected position. More information on the available positions and how to declare candidacy are in this month's issue of *The San Diego Chemist*.

If this is not the right time to run for an elected position, you can still get involved with the Local Section. Whether you're interested in helping to organize events, building relationships with the community, advising on our administrative matters, or supporting chemical educators, we have opportunities to serve on one of our committees. If you would like to attend the next Executive Committee meeting on September 1 at 6:30 PM over Zoom, send me an email (jpgg@sandiegoacs.org), and I'll send you the invitation link.

I would like to express my gratitude to **Mark Tichenor, David Wallace and UC San Diego** for organizing the 2022 Med Chem Symposium. This year, we saw four exceptional presentations by some of our best local talent in the chemical bio-medical space. I would also like to thank the tens of audience members who attended. We hope that by next year, COVID will have reached endemic levels, thereby allowing us to return to an in-person format.

I am really looking forward to our upcoming field trip to **General Atomics**. I was amazed how fast reservations for this tour filled—they were all gone within a couple of hours! If you did not secure a spot for this trip, don't worry, we're paying attention. Given the exceptional demand for this tour, we will consider organizing a subsequent opportunity for those of you who would still like to go. If any of you have ideas for other excursions and opportunities that could interest our community, please send them my way.

Lastly, are you or someone you know in our Local Section a *chemist with a superpower*? That is, someone using the power of chemistry to make our community a better place. This person might be a chemical educator using innovative techniques to inspire the next generation of STEM professionals; a forensic scientist providing clues and analysis that could lead to an exoneration or a prosecution; a researcher working on solutions to help avert a climate catastrophe—we feel there is no shortage of exceptional chemists in our Local Section. If this sounds like you or someone you know, we want to honor our inspirational community members in an upcoming issue of *The San Diego Chemist*. This opportunity is open to all chemists of all ages and backgrounds that live in the San Diego-Tijuana region. **[Click here to nominate yourself or someone else!](#)**

Mask up and stay safe out there. Wishing you all a healthy and prosperous month of August.

With gratitude,

Juan Gonzalez
2022 Chair, San Diego Section of the American Chemical Society
Email: **jpgg@sandiegoacs.org**
Web: **www.sandiegoacs.org**

THE 24th ANNUAL SAN DIEGO MEDICINAL CHEMISTRY SYMPOSIUM

The 24th Annual San Diego Medicinal Chemistry Symposium took place on July 15th as a Zoom meeting. This meeting was dedicated to the late **Dr. Tom Beattie**, who co-organized the first San Diego Medicinal Chemistry Symposium and continued to organize it for 15 years. Tom was well-respected as a medicinal chemist, colleague, mentor, and friend, and he will be missed very much.

Around **65** attendees signed in to hear talks from an outstanding set of local speakers. This year, the opening talk by **Dr. Fleur Ferguson** from UC San Diego described her work interrogating the druggable proteome using proximity-mediated pharmacology. Next, **Dr. Mark Tichenor** from Janssen Research & Development presented the discovery of a covalent BTK inhibitor **JNJ-64264681** in clinical trials for treating hematological malignancies. After a short break, **Dr. Anil Gupta** from Calibr shared the development of an approach to treating hepatitis B with a long-acting single injection. The session wrapped up with a presentation by **Dr. Scott Hecker** from Qpex Biopharma with a presentation about the discovery and early development of Xeruborbactam (**QPX7728**), an ultra-broad-spectrum boronic acid Inhibitor of serine and metallo beta-lactamases. Each talk was followed by numerous engaging questions from the audience.

The San Diego Section of the ACS and UCSD are eager to collaborate on another symposium next year, planned for the second Friday in July each year. Please contact Ben Pratt (bpratt@sandiegoacs.org), Mark Tichenor (mtichenor@sandiegoacs.org), or David Wallace (davidmw@san.rr.com) if your organization would like to sponsor the event or has an exciting new disclosure for this Symposium in **2023!**

THE SPEAKER LINEUP

**Dr. Fleur Ferguson**
(UCSD)

"Interrogating the druggable proteome using proximity-mediated pharmacology"

**Dr. Mark Tichenor**
(Janssen)

"Discovery of JNJ-64264681, a potent and selective covalent BTK inhibitor"

**Dr. Anil Gupta**
(Calibr)

"Can we treat Hepatitis B via a single injection?"

**Dr. Scott Hecker**
(Qpex Biopharma)

"Discovery and Early Development of Xeruborbactam (QPX7728), an Ultra-Broad-Spectrum Boronic Acid Inhibitor of Serine and Metallo Beta-Lactamases"

**San Diego Section, American Chemical Society
Executive Committee – Zoom Meeting
July 7, 2022, 6:30 p.m.**

Attendees: Surya De, Juan Gonzalez-Gonzalez (Chair), Desiree Grubisha (Treasurer), Carolina Ibarra, Val Kuck, Kevin McGowen, Julann Miller, Jim Shih, Ryan Smith, Bill Szabo, Bill Tolley (Secretary), Christina Vialva.

Visitors: Bethany Sawyer

Action: Juan will check with National on license to use Zoom for future meetings.

April ExComm Minutes – Submitted via e-mail for approval; no quorum to approve.

Action: Bill to e-mail June Minutes for e-mail approval.

Treasurer's Report (JGG / DG) – Income: \$85 for Newsletter ad; expenses \$375 for Newsletter preparation; Website preparation \$250, pending payment for initial development of Website for \$750; reimbursement to Scripps Research for last year DEIR program; tax extension has been filed.

Action: Juan to sign off completion of Website to authorize payment to Web developer.

Sale of VWENX Fund Shares (BT) – As a result of e-mail polling, 9 yes, 2 no, **Approved.**

Finance Committee (BS) -- Ryan Smith volunteered as member of Finance Committee, still seeking a third member.

Law Seminar (RS) – Patent law panel - David Wallace and two panelists from Wilson Sonsini; 24 registered but only 7 attendees; Law committee is considering sponsoring another event featuring a discussion from economists.

MedChem Symposium (JGG) – Carolina has been preparing advertising and sent links to universities throughout the area; Juan will facilitate Zoom connection.

Innovative Project Grant (JGG) – Thanks to Christina for major assistance in writing grant, proposed a discussion of cooking chemistry over Zoom, send kits to registrants, alternative topic of chemistry of chocolate.

AACT Memberships (JGG / BT) – Continuation of discussion from June ExComm to sponsor AACT memberships for teachers of students accepted to National Chemistry Olympiad, but motion withdrawn.

General Atomics Tour (JGG) – Opportunity to tour reactor facility, Aug. 4, 3p.m., 1.5 – 2 hour long, 20 spots reserved within a few hours;

Action: Juan will see about getting more spots or a second tour.

IT Report (JGG) – Section was notified that sandiegoacs.org e-mail accounts will no longer be no-cost; however, non-profit organizations qualify for fee waiver and Juan submitted request as non-profit to continue at no-cost.

Social Media Report (CI) – Instagram – 3 new followers in June, reached 454 accounts; LinkedIn 138 active members; Facebook -- 731 views, no new members; will try to put banner on LinkedIn page.

Upcoming events (JGG) -- Jean Dreyfus Seminar and Symposium July 18-19 USD

Adjourn: 8:07 p.m.

Next meeting: Sept. 1 (Note: ExComm Meeting for Aug. deferred due to General Atomics tour on the same day).

*At the time of printing this issue, these minutes have not yet been ratified by the Executive Committee.

Executive Committee Meeting Dates 2022

6:30– 8:00 PM

Thursday, September 1

Thursday, October 6

Thursday, November 3

Zoom Meeting

ACS LOCAL SAN DIEGO SECTION ELECTIONS ARE ONLY TWO MONTHS AWAY!

**DEADLINE TO DECLARE
CANDIDACY
SEPTEMBER 25TH, 2022**



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OPEN POSITIONS

- Chair-elect
- Councilor
- 1 Alternate Councilor
- 3 Members-at-Large

DECLARE YOUR CANDIDACY

State your desired position and
send a brief bio with your ACS
ID number to: Carolina Ibarra at
cibarra@sandiegoacs.org



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ANOTHER LOCAL
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CHEMISTS OF
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BACKGROUNDS!**

**Planning for Your Future: How to
Minimize Taxes and Create Your Legacy**
August 4, 2022 2:00 PM PDT
[Register here!](#)

**What Does ESG Mean for the Chemical
Industry?**
August 18, 2022 8:00 a.m. PDT
[Register here!](#)

**Frontier Fridays: Putting Sustainable
Chemistry to Work in Manufacturing**
August 5, 2022 1:00 PM PDT
[Register here!](#)

**Slashing Inefficiencies in Consumer
Product Manufacturing with NIR
Spectroscopy**
August 9, 2022 10:00 a.m. PDT
[Register here!](#)

**4 Critical Techniques for Battery
Materials Development**
August 10, 2022 11:00 a.m. PDT
[Register here!](#)

**To Cheat or not to Cheat:
Changing the Question**
August 10, 2022 2:00 PM PDT
[Register here!](#)

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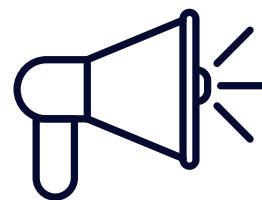
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The San Diego Section of the American Chemical Society would like to thank our Corporate Sponsors.

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!

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.

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

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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

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

San Diego Mesa College

Synthia Chang
schang001@sdccd.edu

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

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For information contact: Carolina Ibarra at
cibarra@sandiegoacs.org

2022 ACS REGIONAL MEETINGS

Northeast Regional Meeting (NERM)
October 2-5
Rochester, NY

ACS Midwest Regional Meeting (MWRM)
Oct 19-21, 2022
check for info

Western Regional Meeting (WRM)
Oct 19-22, 2022
Las Vegas, NV

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Poggenburg** at jkp135@att.net

GENERAL ATOMICS FIELDTRIP
Friday, August 4, 2022
1:00 PM - 3:00 PM PDT

264th ACS NATIONAL MEETING & EXPOSITION
August 21-25, 2022
Chicago, Illinois

WESTERN REGIONAL MEETING (WRM) 2022
October 19-22, 2022
Convention Center @ Flamingos Hotel & Casino,
Las Vegas Nevada

SAN DIEGO SECTION OF THE AMERICAN CHEMICAL SOCIETY

EXECUTIVE COMMITTEE

Chair	Juan P. Gonzalez-Gonzalez, Southwestern College, jpgg@sandiegoacs.org	(2022)	619-813-8520
Chair-Elect			
Past Chair	Jim Shih, Eli Lilly & Co, jshih@sandiegoacs.org	(2022)	626-826-3561
Secretary	William Tolley, Seacoast Science, Inc., b_tolley@juno.com	(2022)	858-780-0978
Treasurer	Desiree Grubisha, Heron Therapeutics, desgrubisha@gmail.com	(2022)	858-254-5497

Councilors

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

Alternate Councilors

Julann Miller	(2023)	
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

Members-at-Large

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

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
Ken Poggenburg	760-635-2573
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)	
Tammy Dwyer USD	619-260-4030
Barbara Sawrey	858-729-0689
David Wallace, Wallace Scientific Consulting	858-204-5412

Education Committee

Joann Um (Chair), Southwestern College	510-823-8637
Valerie Kuck	973-744-5510
Joan Schellinger, USD	619-260-7960

EarthFair

OPEN

Finance Committee

Bill Szabo (Chair)	858-550-0306
OPEN	

Fundraising Committee

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Government Affairs Committee

Hui Cai, WuXi AppTec (Chair)	858-361-8838
Ken Poggenburg	760-635-2573

Law Committee

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

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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

Outreach Committee

Kevin McCowen, Wyatt Technology
Julann Miller

801-719-0511

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

Ken Poggenburg (Chair)

760-635-2573

Seniors Breakfasts

OPEN

Women Chemists Committee

Valerie Kuck

973-744-5510

Younger Chemists Committee

Kristen Counsell, Drawbridge
Christopher Fisher, CG Life,
Alexander Rovira, Janssen Research and Development
Voice Mail – San Diego Section

319-830-3097
860-455-5297
858-784-3013
619-687-5570
