

WILDFIRE EFFECTS ON SOIL AND AIR & RELEVANCE TO FIREFIGHTING AND SOCIETY

*In this talk, Dr. Kromer will share
some interesting wildfire chemistry
and its many impacts on the
environment and our communities.*



Tuesday, May 27, 2025



Talk 7:00-8:00PM



Zoom

Register here



Matt Kromer, Ph.D.
Lecturer Stanford
University



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Hello ACS San Diego Members

Spring is in full swing here in San Diego, and with it comes a new wave of energy and events for our local section. May holds a special place in the history of chemistry. On **May 20, 1891**, the pioneering chemist **Maria Skłodowska-Curie** earned her degree in physics from the Sorbonne, beginning a legendary career that would lead to the discovery of polonium and radium. Another key moment came on **May 12, 1905**, when **Albert Einstein submitted his first paper on special relativity**, a theoretical framework that would transform our understanding of atomic and subatomic interactions. And on **May 26, 1931**, **Irving Langmuir**, known for his work on surface chemistry, was awarded the Perkin Medal, underscoring his influence in both physical chemistry and industrial applications. As we transition into May, I'm excited to share some updates and opportunities to connect, learn, and recharge.

We're thrilled to offer a **Yoga Session for Women Chemists on Sunday, May 18th**. This event is designed to support both physical and mental wellness and provide a welcoming space for connection within our Women Chemists Committee. Whether you're new to yoga or a seasoned yogi, we hope you'll join us for this refreshing and empowering session. For more information please see the flyer attached to the newsletter.

On **Tuesday, May 27th**, we're offering **the reschedule of our insightful talk on the Chemistry of Wildfires**. The first session had to be cancelled but we received a lot of strong interest through emails from the community that were asking for us to put this back on the calendar so we worked to find a new date. It will be moving to a virtual format though to accommodate our speaker. Don't miss this opportunity to explore the atmospheric and chemical factors that drive wildfire behavior and impact. [Click here](#)

Looking ahead to **June**, we'll also be redoing the **Inhibitors of HIV-1 Attachment** talk with Dr. Nicholas Meanwell. It was a great session that was unfortunately cut short due to technical issues which we have since resolved. Dr. Meanwell has graciously offered to come back again which is great for all of those who also missed out on the first time.

We remain committed to offering programming that is meaningful, inclusive, and engaging. Whether it's a scientific seminar, a wellness event, or community outreach, we want every member to feel that they have a place and a purpose in this vibrant network.

Thank you for your continued enthusiasm and support. As always, if you're interested in getting more involved, please don't hesitate to reach out. We'd love to hear from you and help you find a role that fits your interests and schedule.

Warm regards,
Max Mahler and Jackie Trischman

Wildfire Effects on Soil and Air & Relevance to Firefighting and Society

[Register here](#)

Matt Kromer, Ph.D
Lecturer Stanford
University



About the Speaker:

Matt Kromer is an alumnus of CSUSM, where he developed a passion for chemistry. After acquiring a Ph.D. in electrochemistry from the University of Illinois at Urbana-Champaign, he returned to CSUSM as a lecturer during the pandemic. He currently teaches at Stanford University but still enjoys teaching Chemistry of Wildfires at CSUSM each summer as a part of the Wildfire Science and the Urban Interface program. Combustion is, after all, “just” a redox reaction, which gave him some prerequisite knowledge to teach the subject.

About the Abstract:

In this talk, Dr. Kromer will share some interesting wildfire chemistry and its many impacts on the environment and our communities. Wildfires have immense effects in these areas due to chemical changes to the atmosphere and the underlying soil. In this general interest talk, Dr. Kromer will discuss the various chemical processes that occur and how these processes can affect us on the local and national scales, such as through effects on water treatment for low-income municipalities as well as on air quality across the country.



San Diego Section, American Chemical Society
Executive Committee – Zoom Meeting

April 3, 2025 6:30 p.m.

Attendees: Surya De, Jesus Cordova, Vanessa DeLey Cox, Desiree Grubisha, Valerie Kuck, Max Mahler (Co-chair), Sharai Mendez, John Palmer, Jim Shih, Ryan Smith, Jackie Trischman (Co-chair), Marta Vuckovic, David Wallace

Absent:

Sean Anderson, Hui Cai, Jiyue Chen, Juan Gonzalez, Ben Pratt, Bill Szabo, Christina Vialva

Meeting convened: 6:34 pm

Secretary Discussion

Harshada Sapre has a class conflict and a heavier workload than expected and thus has resigned as secretary. As a result, we asked that the EC approve the appointment of Jackie as Secretary at National, while she will also support Max in the co-chair role as much as possible.

Motion #1: to appoint Jackie as Secretary for the national roster. Approve M/S/P Approved

Changes/Approval of February and March Minutes

Motion #2: Approve February 2025 Minutes — M/S/P Approved

Motion #3: Approve March 2025 minutes – M/S/P Approved

Treasurer Report Desiree Grubisha went through all current expenses from the last month. Ryan commented that we could try to do something else with our money, but where we are is simple and doing OK. Recap of SuperSTEM Saturday March 8, 9am-4pm. Expected 15,000 people, but actual attendance was 21,000+. Thank you to Thuy Nguyen for setting everything up and to several other members, including UCSD student chapter members, who attended. We had three different activities. There were some problems with contacting the volunteers. We need to get names, emails, phone numbers from them next year, even if it goes through the Volunteer system at CSUSM.

Recap of Greater San Diego Science & Engineering Fair

Jim Shih organized 11 judges for the March 12, 2025, 11:30 – 3:30 event in Balboa Park. He broke them into 3 groups after paring down significantly ahead of time. Lots of Computational Chemistry experiments. We will work on getting more of that expertise for judges next year. Quality gets better every year, even amongst the middle school students. Only had a few minutes at the end and missed taking photos of some of our winners, but great day overall.

Recap of Spring National Meeting

- Councilor's Report – Talking points – Narrowed Pres-elect 2026 to Christina Bodurow and Dawn Mason – we will vote for Pres-elect in September. Also, some Directors were voted on. Recommendations from ConC to continue the Committee on Chemical Technical Professionals and the Committees on Budget & Finance, Education, International Activities, and Patents and Related Matters. Also voted to amend duties of Committee of Patents and Related Matters and change name to Committee on Intellectual Property. (Praise and sighs of relief for that decision amongst our leadership.) Voted to increase the number of Councilors on N&E to 19 and to approve the creation of new International Chemical Sciences Chapters in Ghana, Ecuador, and Northeast China and to dissolve a local section in Penn/Ohio border that was no longer operational. Also had a nice tribute to Attila Pavlath.

Discussed posting main points in newsletter. Jackie will trim and send to Carolina.

- Kids Zone –Activities at Logan HS Memorial Gym featured CCEW 2025 activities. *Theme: Glaciers: Hot Topic, Cool Chemistry* Jiyue, Max, and Jackie participated as well as several San Diego College students. 300 attendees and some outreach from local groups who want more events like this. They were extremely thankful to have us in this neighborhood. Another event in gym at same time brought a lot of families in.
- Host Booth – Jiyue prepared a slide show to show our booths.
- Giveaways issue – The paperclips and surfboards were shipped and scheduled for delivery Mar 18 after being ordered Feb 11. However, on Mar 17, Jackie received texts that they were being held in US Customs pending resolution of tariff negotiations. They were cleared on Mar 21 and nobody seemed able to find them for a few days. They were delivered Tuesday and Wednesday – at the end of the meeting. The total cost for the merchandise, having ordered enough for Fall 2027 as well, was \$2,200.
Motion #4: To reimburse Jackie Trischman for the giveaways. M/S/P Approved
Unanimous

Chemistry Olympiad Status Report

Dr. Joan Schellinger organized the San Diego local screening exam for the U.S. National Chemistry Olympiad on March 1-2, 2025. 84 students from 16 local high schools took the test. Of these participants, 14 students from 9 high schools made it to the National Exam, given on April 6, 2025. In addition to Dr. Schellinger, we are grateful to the 13 USD student volunteers and 2 staff who helped to run the events. They were issued certificates of appreciation. Students who made it to the national level received small checks from the local section.

Upcoming Meetings

Dr. Nicholas Meanwell will give a technical talk on drug discovery, and gave a list of great talk topics for an April 24 talk. Went through some talk options. David Wallace will help select.

Others discussed – joint with Hawaii in May on Coffee. Approached several others, including Blue Nalu, Taylor Guitars, and WD-40 for potential speakers.

In-person Exec postponed until Jackie can drive again.

WCC

Marta shared that she will bring updates as well as Jiyue next meeting.

MedChem Symposium

Have complete agenda. Starting with fundraising. Friday, July 11, 2025 is the date. Five speakers are already planned: 3 industrial, 3 academic.

50, 60, 70-year Membership Luncheon

July 19 or 26. Jackie will begin the planning at Tom Hamm's Lighthouse for this annual event.

Western Regional Meeting

Motion #5. The SD Local Section will explore hosting the Fall 2026 Western Regional Meeting in collaboration with David Cunningham from Hawaii as a co-chair. M/S/P unanimous

Starting to plan the WRM2026. Ideas for sessions were gathered. Dr. Jesus Cordova, Assistant Professor at CSUSM, and David Cunningham, Hawaii local section, will be co-chairs as general chairs. Two day meeting, perhaps with UG sessions on a 3rd day. We will send information to the board as it becomes available. Everyone will be needed to do some small parts, and we hope that some from the board will take on significant roles as well.

Western Analytical Chemistry Symposium

We were requested to help organize such a meeting. Roll into Western Regional Meeting if possible. If not, we can help advertise, but planning will require sending some word out to see if there is interest.

Younger Chemists to Attend

Vanessa DeLey Cox sought feedback from co-workers. They would like quarterly professional development opportunities. How can we incorporate into monthly meetings with a focus on people 5-10 years out from BS. Project management, Tech transfer and patents, Emotional Intelligence, Speed-networking, networking for introverts are all ideas that were floated.

Meeting adjourned: 8:36 p.m.

Next meeting: May 1, 2025

SAN DIEGO MEDCHEM SYMPOSIUM

Friday, July 11, 2025

Organized by the San Diego Section of ACS, SABPA and
UCSD Department of Chemistry and Biochemistry



UC San Diego
CHEMISTRY AND BIOCHEMISTRY



- 8:30 AM **Breakfast and registration**
UCSD Institute of the Americas Auditorium
- 8:55 AM **Opening Remarks: Dr. Fleur Ferguson**
- 9:00 AM **Dr. David Weinstein, Vividion Therapeutics**
A Covalent-First Chemoproteomic Approach to the Identification of KEAP1 Modulators
- 9:30 AM **Dr. Michael Bollong, The Scripps Research Institute**
Chemical Approaches to Regenerative Organ Repair
- 10:00 AM **Dr. Jinglan Zhou, Vertex Pharmaceuticals**
Discovery of CFTR Modulators for the Treatment of Cystic Fibrosis
- 10:30 AM **Break and networking**
- 10:55 AM **Dr. Elizabeth Winzeler, UC San Diego**
Using in vitro evolution to discover new targets for medically-active compounds
- 11:25 AM **Dr. Joyann Donaldson, Pfizer**
Discovery of HPK1 Small Molecule Inhibitor PF-07265028 & Development of Novel Synthetic Methods for Medicinal Chemistry
- 11:55 AM **Closing remarks**
- 12:00 PM **Lunch and networking**
- 1:00 PM **Symposium Conclusion**

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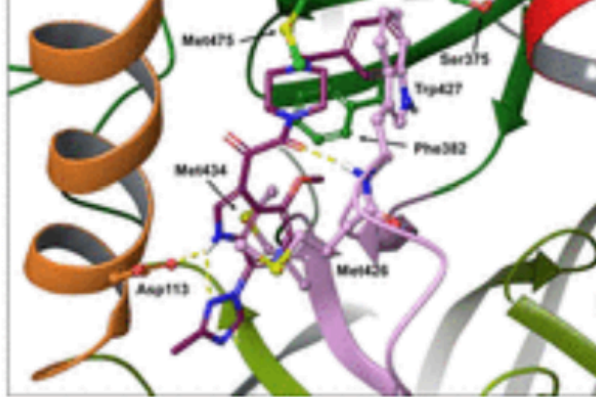
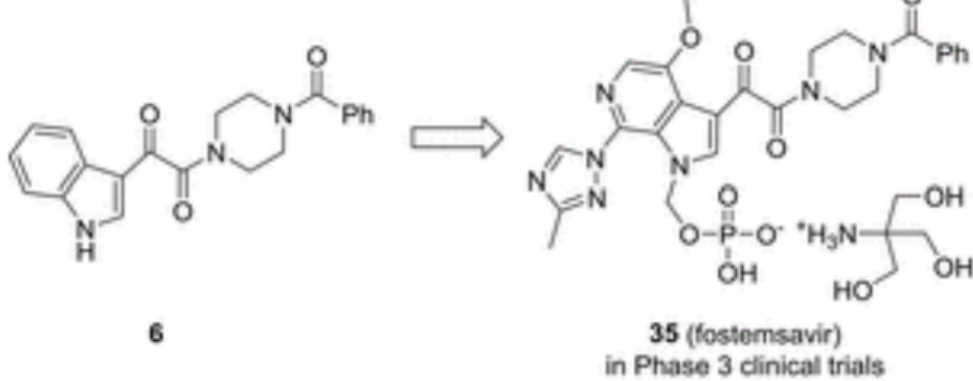


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donation based, refreshment and snack will be provided



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INHIBITORS OF HIV-1 ATTACHMENT

DR. NICHOLAS A. MEANWELL

June 19, 2025

6PM PST

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May 15, 2025 @ 8AM PDT
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From Idea to Funding: Crafting Competitive Grant Proposals
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From Discovery to Cure: Addressing the Challenges of Oncology Drug Discovery
May 20, 2025 @ 8AM PDT
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Green Chemistry Using Smarter Metrics: A Life Cycle Approach
ACS Webinars
May 22, 2025
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Natural Glass Cleaning Products: Maintaining Antifog Properties & Reducing Lime Deposition
May 13, 2025 @ 8AM PDT
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What's New in Titration: New Techniques, Applications and Integration
May 14, 2025 @ 10AM PDT
[Click here](#)

Executive Committee Meeting

Dates 2025

6:30– 8:00 PM
June 5th,
July 10th,
August 7th,
September 4th,
October 2nd,
November 6th,
December 4th.

[Zoom Meeting](#)



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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!

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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.

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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

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