

2023 DISTINGUISHED SCIENTIST AWARD BANQUET



Dr. Jean Cui

Scientific Founder,
President and CEO at BlossomHill Therapeutics, Inc.

“Understanding Protein Dynamics for Structure-based Drug Design: Design Stories of Crizotinib, Lorlatinib, and Repotrectinib”

Protein kinases are key regulators that govern complex cellular processes. Dysregulation of kinase signaling is associated with many human diseases. The design processes of Crizotinib, Lorlatinib, and Repotrectinib will be presented as case examples to understand protein dynamics in structure-based drug design.

**Nirmatrelvir Development
Story:
From Milligrams to Metric
Tons in 18 Months**

October 24

**Plastic Pollution:
Problems and Solutions**

October 26



Dear esteemed members,

Lots of exciting things are happening in our Local Section. Did you make it out to the Annual Picnic? We had over 90 attendees, which surpassed our typical pre-pandemic attendance! I had such a great time meeting many of you for the first time. I am also grateful for so many kind words some of you shared about our Local Section's efforts to create opportunities to bring our chemically-minded community together. I thank my colleagues **Jim Shih, Christina Vialva, Carolina Ibarra, and Max Mahler** for working throughout the summer to make the return of the Annual Picnic a success.

October is typically a busy month for the Local Section and this year is no exception. This month we honor **Dr. Jean Cui** as the Local Section's **2023 Distinguished Scientist**. To say that Dr. Cui is one of our region's most exceptional inventors and scientists is an understatement. Dr. Cui is a renowned oncology drug designer who is the lead inventor of multiple oncology medicines and clinical compounds. She is the Co-Founder, President, and CEO of BlossomHill Therapeutics, Inc and the Scientific Founder of Turning Point Therapeutics, Inc. Her impressive list of honors and accolades include the 38th National Inventor of the Year Award in 2011; two Pfizer Worldwide R&D Achievement Awards in 2006 and 2012 and a Pfizer innovation award in 2011. She has also been the the 2013 American Chemical Society Heroes of Chemistry honoree for the discovery and development of Crizotinib. She received her second Heroes of Chemistry Award from the ACS in 2021 for the discovery and development of Lorlatinib. I hope that you will join us on **October 17th at 6 PM at the Butcher Shop Restaurant** to honor and learn from Dr. Cui's experiences. [Click here to register](#) for our flagship event.

This month we also feature two exciting and diverse seminars. On October 24 at 6 PM, **Nga Do, Principal Scientist at Pfizer**, will discuss the story of **Nirmatrelvir**, a selective, orally bioavailable inhibitor of SARS-CoV-2 2 M went from development to millions of distributed doses in under 18 months. [Click here to register](#) for this virtual seminar. That same week we feature distinguished speaker, **H.N Chang**. Dr. Chang is a prolific author in the field of green polymer chemistry, agro-based materials, biocatalysis, and polymer analysis. On October 26 at 7 PM, Dr. Cheng will deliver a presentation titled **"Plastic Pollution: Problems and Solutions."** Expect to learn about the good, the bad, and the ugly regarding our relationship with plastic, as well as the state of green chemistry research to help mitigate the deleterious effects of plastic in our environment. [Click here to register](#) for Dr. Cheng's seminar.

October is also important because of **National Chemistry Week (NCW)**, which falls on **Mole Day** (6:02 AM to 6:02 PM on 10/23). Did you know that NCW was first conceptualized as National Chemistry Day in 1986 when **George Pimentel**, then ACS president, had an idea to better educate the public about the crucial role of chemistry in everyday life? The ACS organized its first official National Chemistry Day on Nov. 6, 1987. By 1989, the ACS Board had approved National Chemistry Day, and it became an annual celebration, held every year in late October. In 1993, it was renamed National Chemistry Week. This year's NCW theme is ***The Healing Power of Chemistry***. The Local Section will celebrate NCW with **Chem Expo at Miramar College** on Saturday, November 4. Join us for a fun and educational day for the whole family. There will be interactive exhibits and demonstrations by the local Student Affiliate Chapters. If you would like to volunteer and help make it a success, reach out to my colleague, **Jackie Trischman** (trischma@csusm.edu). If you represent a local biotech company. We would love to offer you a table at Chem Expo, so that you may engage with the general public to teach them about your products that move the science of medicine forward and improve the quality of our lives. You may reach out to me or to Jackie for more information. As someone who has dedicated much of their professional career to expand opportunities for students to learn about and engage with nanotechnology, this year's **Nobel Prize in Chemistry** is dear to my heart. On behalf of our Local Section, I congratulate **Moungi G. Bawendi, Louis E. Brus** and **Alexei I. Ekimov** for their pioneering work in discovering and developing quantum dots. For the uninitiated, quantum dots are nanoscale semiconductors, which have tunable optical and electrical properties. These amazing little crystals have found applications in HD displays, solar cells, and even biological imaging. Lastly, **elections** are coming up next month. Please read our candidates' biographies and do not forget to vote! Ballots will be sent out in early November to the email the National ACS has on file for you. Results will be announced at our End-of-Year Meeting, which will take place on Thursday, December 7th at the Butcher Shop restaurant. I wish you and your loved ones a spooktacular October.

With gratitude,

Juan Gonzalez
2023 Chair, San Diego Section of the American Chemical Society
Discord: @g-orbital
E-mail: jpgg@sandiegoacs.org
Web: www.sandiegoacs.org

**San Diego Section, American Chemical Society
Executive Committee – Zoom Meeting
Oct. 3, 2023, 6:30 p.m.**

Attendees: Hui Cai, Surya De, Juan Gonzalez-Gonzalez (chair), Carolina Ibarra, Jim Shih, Bill Tolley (secretary), Jackie Trischman, Christina Vialva.

Visitors Alessandro Fracassi (UCSD post doc)

September ExComm Minutes (JGG) – no quorum to approve minutes.

Treasurer's Report (JGG for DG) – Income: \$60 SDCCU Interest; expenses: \$680 picnic, \$15026 councilor travel, \$155 storage, \$225 Newsletter preparation, \$295 social media updates, \$2717 for new projector (most of this cost covered by grant from National); Vanguard fund currently \$565,401; anticipating some sponsorships regarding SABPA / SDACS (WuXi will help sponsor).

Picnic (JGG) -- 92 attendees, positive feedback from attendees, several expressed interest in greater participation in Section leadership, many thanks to Christina, Jim, Max in organizing this activity, catering was very effective, Carolina won dessert contest – chocolate cake creation.

October Seminars (JGG) – Tues. Oct 24, Nga Do from Pfizer, Nirmatrelvir story, 2 currently registered, meeting to be over Zoom in collaboration with SABPA; Thurs. Oct. 26 -- Plastic Pollution: Problems and Solutions, H.N Chang (past pres. of ACS).

SABPA / SDACS (JGG) -- Nov. 7, three speakers, in-person seminar at Novartis, need certificate of insurance.

Distinguished Scientist (JGG) – 12 registered to date (target 50), Dr. Jean Cui, CEO BlossomHill Therapeutics, Tues. Oct. 17, Butcher Shop, menu set, plaques done.

Chem Expo (JT) – Focus on Scouts (current high school students have not been as interested in the event); venue at Miramar College is arranged, demonstrations arranged for, CSUSM faculty has grant to interact with HS students; sound system available, Girl Scout organization requiring background checks on ACS ExComm attending; Christina is registering the Scouts; suggestion to get SDACS-specific swag (hoodie sweat jacket maybe) for presenters

DEIR Grant (CV) – Planning for seminar with format of keynote talk and panel discussion, seminar objective – highlight history of queer community in chemistry (200K+ LGBTQ persons in San Diego); targeting students, schedule for Fall when university students will be in school and thus available to attend, suggesting SDSU as venue but will entertain suggestions of other venues in a central location, ~2 hr event followed by networking session, grant maximum \$3K; possibility of Lilly as a venue.

Nominations / Elections (JGG) – Desiree running for treasurer, Juan running as councilor or alternate councilor, Max as MAL (bios to Carolina by 10/26) target Nov 3 to e-mail ballots.

Section Awards (JGG) – Proposing to create an award to commemorate Tom Beattie to honor longitudinal service vs. Tony Bottone Award for exception service; consider a technician award also but postpone discussion until next meeting.

Motion: create Tom Beattie Award, to be submitted for e-mail approval

Items from the group (CV) – Pitcon coming to San Diego, Feb. 2024; need to reserve for Year-end Meeting (deposit submitted); Jim looking to update Dropbox as a means to host photos and other large files for the Section.

Adjourn: 8:05 p.m.

Next meeting: Nov. 2

ACS PICNIC 2023



ACS PICNIC 2023



ACS PICNIC 2023



2023 DISTINGUISHED SCIENTIST AWARD

Dr. J. Jean Cui

CEO & President, BlossomHill Therapeutics, Inc.



About the Speaker:

Dr. J. Jean Cui is an internationally renowned oncology drug designer with 28 years of experience in drug discovery and project management at major pharmaceutical and biotech companies. Dr. Cui is the lead inventor of Pfizer's precision oncology medicine, Crizotinib (Xalkori™). She created this drug's novel chemical scaffold based on co-crystal structure, and its final clinical compound. Crizotinib gained fast-track approval from the FDA in 2011 for ALK-positive late-stage non-small cell lung cancer (NSCLC). After Crizotinib, Dr. Cui designed the next-generation ALK medicine Lorlatinib (LORBRENATM) for fighting treatment resistance from the 1st generation ALK medicine. Dr. Cui also worked on several other oncology projects at Pfizer, including the FDA-approved therapy SUTENTM.

Dr. Cui is the scientific founder of Turning Point Therapeutics, Inc. (Turning Point) focusing on the design and development of novel medicines for cancer patients. At Turning Point, Dr. Cui created 4 clinical compounds for addressing cancer resistance, with the leading compound, Repotrectinib currently at NDA stage, achieving 3 FDA Breakthrough Therapy Designations, 3 FDA Fast-Track designations, and 1 FDA Orphan Drug Designation to date. Turning Point went public on NASDAQ in April 2019 (Ticker: TPTX). Dr. Cui served Turning Point's Chief Scientific Officer (October 2013-January 2020) and a member of Board of Directors (October 2013-June 2020). In June 2022, Bristol Myers Squibb announced the acquisition of Turning Point Therapeutics for \$4.1 billion.

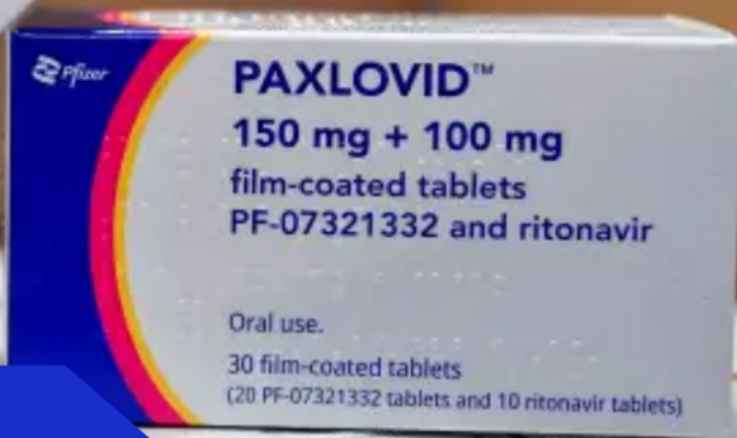
Dr Cui currently is the scientific founder, President, and Chief Executive Officer at BlossomHill Therapeutics, Inc. (BlossomHill) (July 2020-present). BlossomHill raised \$71 million in Series A round of financing in March 2021. Prior to Turning Point, Dr. Cui was Senior Principal Scientist and then Associate Research Fellow at Pfizer (2003-2013). Prior to that, Dr. Cui served as Project Leader and Group Leader at SUGEN, Inc., a Pharmacia Corporation (1999-2003).

Dr. Cui and her Crizotinib chemistry team at Pfizer were selected for the 38th National Inventor of the Year Award in 2011. Dr. Cui was an honoree for 2 American Chemical Society's Heroes of Chemistry Awards for the discovery and development of Crizotinib and Lorlatinib in 2013 and 2021, respectively. She received 2 Pfizer Worldwide R&D Achievement Awards (2006 and 2012), and Pfizer Innovation Award in 2011. Dr. Cui received the 2022 Distinguished Alumni Achievement Award from her Ph.D. alma mater, Ohio State University. She received 2022 San Diego BioPharma Achievement Award from SABPA in recognition of her outstanding contributions to San Diego biotech industry. Dr. Cui was an honoree for the Committee of 100 Circle of Excellence Award in Humanity in Science & Technology in 2023. She was also the winner of the inaugural CABS K. Fong Award in Life Sciences in 2013. Dr. Cui has 58 scientific papers and 34 patents.

Dr. J. Jean Cui received her Ph.D. in Organic Chemistry from Ohio State University in 1994, and her M.S. and B.S. from University of Science and Technology of China. She obtained her postdoctoral training at Lawrence Berkeley National Laboratory and the University of California Berkeley. Dr. Cui started her drug discovery career in biotech and pharmaceutical industries in 1995.

About the lecture:**Understanding Protein Dynamics for Structure-based
Drug Design: Design Stories of Crizotinib, Lorlatinib,
and Repotrectinib**

Protein kinases are key regulators that govern complex cellular processes. Dysregulation of kinase signaling is associated in many human diseases, particularly in cancers. Protein kinases have become one of the pharmaceutical industry's most important class of drug targets. FDA has approved 82 small molecule kinase inhibitors since the first approval of imatinib, the Bcr-Abl tyrosine kinase inhibitor in 2001 for Philadelphia chromosome-positive chronic myelogenous leukemia. However, the onset of drug resistance to kinase inhibitor treatment brings new challenges in kinase drug development. Understanding the disease-driven protein conformation is essential for the design of ligand efficient, highly selective kinase inhibitors with preferred drug-like properties. In addition, kinase conformational change after the development of treatment resistance plays a crucial role for the design of the next generation kinase inhibitors overcoming treatment resistance. The design processes of Crizotinib, Lorlatinib, and Repotrectinib will be presented as case examples to illustrate the importance of understanding protein dynamics in structure-based drug design.



NIRMATRELVIR DEVELOPMENT STORY

FROM MILLIGRAMS TO METRIC TONS
IN 18 MONTHS



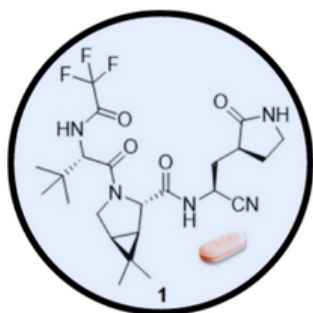
TUESDAY
OCTOBER 24, 2023



6:00 PM



VIRTUAL SEMINAR



SPEAKER

NGA DO

Principal Scientist at Pfizer
(Groton, Connecticut)



Register
here



ACS
Chemistry for Life®

Nirmatrelvir Development Story: From Milligrams to Metric Tons in 18 Months

Ms. Nga Do

**Principal Scientist at Pfizer
(Groton, Connecticut)**



About the Speaker:

Nga obtained her B.S. in Chemistry from Purdue University and her M.S. in Organic Chemistry from the University of California, Irvine. She joined Pfizer process chemistry in Dec. 1998. Over her career as a process chemist in Groton, she has worked across the spectrum of process chemistry from early clinical development (discovery interface) to commercial route development. She has worked developing processes on many Pfizer commercial compounds including Ibrance, Steglatro, Daurismo, Cibinqo and most recently Pfizer's COVID-19 vaccine and oral therapy. Nga has been awarded the ACS Technical Achievements in Organic Chemistry Award as well as Heroes of Chemistry Awards as part of the palbociclib and nirmatrelvir teams and Team Innovation Awards as part of the palbociclib and lipids teams.

About the lecture:

Nirmatrelvir (PF-07321332, 1) is a selective, orally bioavailable inhibitor of SARS-CoV-2 2 M. Development of an efficient synthesis of this molecule was critical for the rapid advancement of the compound from first synthesis to successful emergency use authorization in just 17 months. This paper provides an overview of the development of the commercial synthesis, with a focus on the supply chains for the three starting materials, which leveraged key synthetic studies from earlier protease research programs and/or commercial products.



PLASTIC POLLUTION: PROBLEMS AND SOLUTIONS

The major problems of plastic pollution and the potential solutions will be summarized



H. N. Cheng

- ✓ Date: October 26
- ✓ Time: 7PM
- ✓ Location: Virtual Conference

Past President, American Chemical Society
(Retired) USDA Southern Regional Research
Center New Orleans, LA 70124

Register here



Plastic Pollution: Problems and Solutions

H. N. Cheng

**Past President, American Chemical Society
(Retired) USDA Southern Regional Research Center
New Orleans, LA 70124**



About the Speaker:

H. N. Cheng (B.S., UCLA; Ph.D., University of Illinois) retired in May 2022 from Southern Regional Research Center (SRRRC) of the U.S. Department of Agriculture in New Orleans. Currently, he serves as a collaborator at SRRRC, where he continues his research in green polymer chemistry, agro-based materials, biocatalysis, and polymer analysis. He has authored or co-authored over 300 papers, 26 patent publications, edited or co-edited 23 books, and organized or co-organized over 45 symposia since 2000. Recognition of his contributions includes ACS Fellow (2009), POLY Fellow (2010), AGFD Fellow (2018), ACS Volunteer Service Award (2016), Herty Medal (2022), Spencer Award (2022), and SRRRC Outstanding Scientist of the Year (2014, 2019). He is active in ACS and has just completed a three-year term in the ACS presidential succession (2020-2022); his presidential theme was "Growth, Collaboration, and Advocacy", whereby he advocated for innovation, disciplinary growth, sustainability, digitization, industrial engagement and entrepreneurship. He also helped organize events, symposia, and webinars to benefit ACS members and the chemistry enterprise.

About the lecture:

Since the 1960s, plastics have been popular due to their low cost, versatility, and convenience.

However, their widespread use and mismanagement have led to plastic pollution in the environment. A major problem that has attracted public attention is the generation and spread of microplastics, tiny plastic particles that pervade ecosystems and pose a severe threat to both wildlife and human health. Indeed, plastic pollution represents a multifaceted challenge that requires collaborative actions from governments, industries, and individuals. Research and development (R&D), can play a pivotal role in the fight against plastic pollution by understanding the complexities of plastic pollution, developing sustainable materials, designing innovative packaging methods, and advancing recycling technologies. Thus, continued investment in R&D, is needed, together with the implementation of a combination of solutions like reducing single-use plastics, improving waste management, and investing in sustainable alternatives. In this talk, the major problems of plastic pollution and the potential solutions will be summarized. Examples will be shown of some of the R&D approaches to mitigate this problem. By investing in R&D, and embracing sustainable practices, we can help to combat plastic pollution and reduce its proliferation in the future.

EXECUTIVE BOARD CANDIDATES FOR 2023 ACS SAN DIEGO SECTION CANDIDATE BACKGROUNDS

Chair

Christina Vialva



Christina Vialva is a rising senior undergraduate attending San Diego State University as a chemistry major. A current member at large for the San Diego Local Section, Vialva's relationship to the ACS began three years ago when she was introduced to the executive committee by current Chair and Southwestern College student affiliate chapter advisor, Juan Gonzalez-Gonzalez. Through serving as vice president of her alma mater's ACS student chapter, Vialva aimed to foster an environment of learning and discovery in the chemical sciences, as well as promote a sense of community among undergraduate STEM students. Since elected as an ACS executive, she has used her current position to enact synergy between our section's talented professional base and those who are just embarking on their chemistry journey. Vialva currently works as a Math Engineering Science Achievement (MESA) program tutor specializing in chemistry, and as an undergraduate researcher experienced in nanomaterial, nutritional, and computational chemistry studies. Since beginning her undergraduate journey in 2019, Vialva has been selected for three individual NSF recognized REU opportunities, all of which have given her national speaking and research presentation experience. As a member at large, her term has included being a participant of the 2022 annual ACS Leadership Institute, where she heightened her communication and leadership skills alongside ACS executives from across the nation. These skills have fortified her ability to help develop Local Section events, both through the successful submission of an ACS Innovative Project Grant, and through serving on multiple event committees.

She seeks your vote to become chair for the ACS San Diego Local Section to both fulfill her mission of providing a voice for younger chemists from humble backgrounds, as well as to continue the legacy vision that all peoples should have a place of belonging among the chemical sciences. If elected, Vialva will work with the Executive Committee to build upon the active inclusivity and innovation of the San Diego Section by collaborating on unique, professional, and educational opportunities for the community at large. If elected, she hopes to set an example for other undergraduates to contribute to shaping the next generation of their professional community.

Alternate Councilor

Juan Gonzalez--Gonzalez



Juan Gonzalez has been the Chair of the San Diego Section for the past two years. Under his leadership, he transitioned the presence of the Local Section away from a virtual-only modality during the pandemic, and back to an in-person fixture for the San Diego chemistry community. During his tenure as Chair, he created and spearheaded many exciting opportunities for members to increase their professional knowledge while providing unique social experiences.

Among his proudest accomplishments are executing two innovative project grant proposals, The Chemistry and Art of Glass (2022) and Now, You're Cooking with Chemistry! (2023), both of which were highly attended and extremely well-received. This year, Juan was invited to give a presentation about the Chemistry and Art of Glass at the ACS Leadership Institute to leaders from around the country. This presentation was so successful that the San Diego's Local Section Instagram trended! Other memorable events that Juan created include the General Atomics field trip (2022), the first such outing for the Section in several years. Moreover, he organized the Chemistry of Beer and Brewing, the first Local Section event ever to be hosted in the South Bay region. Juan also strove to provide opportunities for the members to give back to their community. He arranged for a small army of ACS members to participate in the annual Creek-to-Bay Clean Up in 2022 and 2023. More recently, he served on the Annual Picnic Committee. This year was the first time in four years that the Local Section held the picnic, which attracted one of the largest attendances in the history of the Section.

Juan has strived to make the chemical enterprise more inclusive. Under his leadership, the Local Section's internet presence got much-needed refreshes. The Local Section now has a more attractive and user-friendly webpage and more engagement on our social media channels than ever before. Moreover, the San Diego possibly became the first Local Section to adopt Discord in 2022 as a platform to reach out to our younger members where they are. Additionally, during Juan's

terms as Chair, the local Student Affiliate Chapters and Graduate Student Organization have enjoyed some of the best relations with our pre-career members in recent memory.

He is grateful for the opportunity to have served the San Diego chemistry community as the Chair, and, with your vote, looks forward to serving in a new role as an Alternate Councilor to continue to help make the Local Section engage with more of our members.

Alternate Councilor

Ryan Smith



Ryan Smith, Ph.D., J.D. is a patent attorney with the law firm of Duane Morris LLP where he advises clients on patent prosecution, opinion, and litigation matters, in particular in the chemical and biotech areas. Prior to his legal career, Dr. Smith was an early scientist at Illumina, Inc. where he developed a number of key DNA sequencing platforms used in Illumina's sample preparation, DNA sequencing, and DNA genotyping technologies. Dr. Smith was previously a scientist at Amersham Biosciences/Molecular Dynamics/GE Healthcare where he developed DNA sequencing technologies used to substantially complete the Human Genome Project. Dr. Smith earned his Ph.D. in Chemistry from the University of California at Berkeley, his B.S. in Chemical Physics from the University of California at San Diego (Revelle College), and also completed postdoctoral studies at Stanford University and IBM.

Member-at-Large

Max Mahler



I am currently a student at Miramar College with the intention of moving into a graduate program at UCSD or SDSU. I have a prior bachelors in Literature from UCSC so this is my second time going through the college system. I got into the biotech industry about 8 years ago working for Illumina as a lab technician and worked my way up to a manufacturing supervisor for the Flow Cell line of consumables used on the Illumina DNA sequencers. My daily work is more focused on people leading as well as an understanding of the processes that are used in the fabrication of our patterned glass wafers as the surfaces are prepped to become adequate substrates for oligo bonding and amplification. My work over the years has in part driven me towards seeking higher education with a formal science background. I have become particularly interested in chemistry and biochemistry specifically through years of beer brewing. I even received a certification in brewing from UCSD extension program.

More recently, I have thought about getting into research to follow my interest in advancing human health. The work being done in the areas of cell synthesis, pluripotent cells for cell therapy and applications of this to make replacement organs for people in need, are what are driving me to continue on my educational path. I would like to volunteer and become more integrated in the scientific community as I go through my journey since the connections I make will be very valuable to my future career aspirations and at the same time I can give back to the community through volunteer work. Thank you for your consideration!

Treasurer

Desiree Grubisha

Desiree has been an active volunteer with the San Diego ACS Section since 2004. She is currently serving the San Diego Section as a Councilor, as the section Treasurer, and the Communications Committee. She is a past member of the ACS National Local Section Activities Committee, and has been active in the ACS Western Regional Meeting Board as Secretary from 2017-2019. She has been involved with ChemExpo, YCC, and WCC activities, the planning committee for the 41st Western Regional Meeting in 2007, and has served on the Public Relations committee.

Desiree currently works in CMC Quality Control at Heron Therapeutics. She has also worked in QC at Halozyme, and in Lab QA in Commercial QC at AstraZeneca/Amylin Pharmaceuticals supporting diabetes medicines in the worldwide market. Desiree earned a PhD in inorganic chemistry from the University of Wisconsin, Milwaukee, and did postdoctoral research developing novel detection platforms for molecular diagnostics in the Microanalytical Instrumentation Center at Iowa State University. She has coauthored 1 U.S. patent and over 30 journal articles and presentations in analytical, organometallic, and inorganic chemistry.

Councilor

Valerie Kuck

As you know well, these past three years have been incredibly challenging. The rapid spread of the Covid virus forced all of us to modify our lives. The San Diego Section also had to adapt to the presence of the virus. In-person group meetings had to be canceled. Giving a technical presentation before a live audience could no longer occur. The Section needed a new way of reaching its members and keeping them growing in knowledge. In response, I proposed that the Section start presenting talks on Zoom throughout the year. I added that I would reach out to both men and women to speak. In addition, I would also ask individuals who are from under-represented groups in science, to speak. I then set out to contact people who were living all over the nation. I asked the speakers to present their work so that individuals who are not trained in a given area could understand the science being presented, the challenges that had to be overcome, and the significance of their findings. I also tried to have a wide variety of topics to be presented.

Over the past three years, we have had a wide variety of talks addressed. Two people who have just authored books discussed some of their interesting findings. A wide variety of technical topics were addressed. They ranged from identifying new battery storage systems to the development of devices to repair in situ organs in the human body. We also dipped into history of science and learned how and why in the early 1900's Germany became the powerhouse in science and technology and found out about the outstanding women chemists who did not receive the Nobel prize in the last century.

Zhenan Bao of Stanford University got us off to a great start. Her research on synthetic skin drew around 150 attendees, a record high number for us. The remaining talks had around forty to fifty attendees. Most of the talks were followed by spirited question and answer sessions. Hearing about our success, the national ACS Local Sections Committee reestablished a Speakers Directory for Local Sections to use in identifying potential speakers. In addition, a couple of our speakers have been asked to give their talks on the national ACS's Webinar series.

In addition to impacting the Section's holding of in-person technical presentations, Covid also negatively affected the Section's involvement in Project SEED. As the Project SEED coordinator, I had to notify the high school teachers, who had previously had their students learn first-hand the challenges of doing chemical research, that there would be no in-person Project SEED training because of Covid. This past summer, the effort was restarted but I experienced great difficulty in finding students who wanted to participate in the program. I think the absence of students in their schools that could share how much they had learned from their Project SEED experience was a factor in the low response rate, along with the significant changes in the staffing of the national SEED Office which was developing new procedures on the fly. Hopefully, next year the Section will have six students participating in this wonderful program.

On the national ACS level, I have advocated for more talks to be made available over Zoom to ACS members and students. I believe the terrific talks given by ACS award winners in their Award Symposia should be made more widely available along with those given by other winners of major awards like the Nobel prize. I plan to continue improving the Society's outreach to its members.

Secretary

Vacant



**Catalyze the Vote! Meet the 2024
ACS President-Elect Candidates**
October 4, 2023 @ 2:00 PM EDT
[Click here](#)

**Shining Light on AAVs: Using Light
Scattering Technologies to Solve
Challenges in Characterization**
October 18, 2023
8:00 a.m. PDT
[Click here](#)

The “Ins and Outs” of Networking
October 5, 2023 @ 2:00 PM EDT
[Click here](#)



**La Manufactura Aditiva:
Metodología y Desarrollo de
Implantes de Cadera**
October 11, 2023 @ 2:00 PM PDT
[Click here](#)



**Green-by-Design: Award-winning
Innovations in Biocatalysis**
October 12, 2023 @ 2:00 PM PDT
[Click here](#)

**Lab X-ray Absorption: A New
Dimension for Materials
Characterization**
October 11, 2023
8:00 a.m. PDT
[Click here](#)

Executive Committee Meeting
Dates 2023
6:30– 8:00 PM

November 2
December 7
Zoom Meeting

Tuesday, October 17, 2023
ACS Distinguished Scientist Award Dinner
***Award Winner:* Dr. Jean Cui, Scientific Founder,**
President and CEO at BlossomHill Therapeutics, Inc.
Location: The Butcher Shop
Time: 6PM
[Click here](#)

Tuesday, October 24, 2023
Title: Nirmatrelvir Development Story:
From Milligrams to Metric Tons in 17 Months
Co-Organizer: ACS/SABPA Seminar
***Speaker:* Ms. Nga Do, Principal Scientist at Pfizer (Groton, Connecticut)**
Location: virtual
Time: 6PM
[Click here](#)

Tuesday, October 26, 2023
Topic: Plastic Pollution: Problems and Solutions
***Speaker:* H. N. Cheng**
Location: virtual
Time: 7PM
[Click here](#)

**ChemExpo
Nov 4, 2023
Miramar College
10:00 AM**

**Tuesday, November 7, 2023
ACS/SABPA Seminar
Topic: CMC/process development of each company's
KRAS G12C inhibitors
Speakers:
Dr. Chengyi Chen,
VP of Chemistry Process R&D at Mirati Adagrasib (MRTX849)
Dr. Xiaohu Deng,
Former Head of CMC at Wellspring Biosciences
Dr. Haiming Zhang,
Distinguished Scientist and Director at Genentech
Location: Novartis Institutes for BioMedical Research,
San Diego
Time: 4PM
[Click here](#)**

AWIS-SAN DIEGO

ASSOCIATION FOR WOMEN IN SCIENCE, SAN DIEGO CHAPTER

INVITES YOU TO OUR

FALL OPEN HOUSE

Meet our members, chat with leadership, network with STEM professionals & learn how to get involved in our chapter!



25

October

5:30 - 7:30 pm

TACOS & BEER WILL BE PROVIDED



SOVA SCIENCE DISTRICT- PATIO LAWN

11545 SORRENTO VALLEY RD, SAN DIEGO, CA 92121
(NEXT TO NEW ENGLISH BREWING)

REGISTER HERE: <https://conta.cc/3RzXr99>



VENUE SPONSORED BY



LONGFELLOW

THE HEALING POWER OF CHEMISTRY

Saturday, Nov 4
Miramar College

Have questions?

Contact:

trischma@csusm.edu

Jacqueline A. Trischman, PhD

ChemExpo Coordinator



ACS

Chemistry for Life®

Volunteers needed





The College of Science, Technology,
Engineering, and Mathematics

PROFESSIONAL MENTORING PROGRAM (PMP)

**OPENING
GATHERING:**

**SEPT. 5,
2023**

**CLOSING
GATHERING:**

**APRIL 30,
2024**

Mentors are requested to attend the opening and closing events, as well as ONE roundtable discussion, if possible. There is also the option to participate in one-on-one mentoring of students. We will schedule an informational session during August to address any questions you may have or you may contact me directly at raraiza@csusm.edu.

MENTOR APPLICATION:



PMP PROGRAM INFO:



"[My mentee] was great! I expect that we will be in touch for years to come. We had lots of discussions about industry, job interviews, salaries, longer term job planning." Terrie, Mentor 22/23



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trischma@csusm.edu
760-750-4206

Point Loma Nazarene University

Vacant

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Synthia Chang
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San Diego Miramar College

Vacant

Southwestern College, Chula Vista

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

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