Now, you're cooking with chemistry!

Just in the time for Valentine's Day!

Featuring

Robyn Araiza, M.S.
Chef Victor Araiza
Dear esteemed members,

I loved meeting many of you at the January meeting at Novo Brazil Brewery. To my knowledge, this event was the first Local Section event ever held in my neighborhood of Otay Ranch. My deepest gratitude goes out to my colleague, David Hecht who presented a fascinating lecture on the history and chemistry of beer. He was followed by the brilliant brewmaster, Guilherme Hoffman who discussed the techniques and processes employed by Novo Brazil to craft their award-winning beers and kombucha. Attendees enjoyed an exquisite spread of food while networking with fellow ACS members.

I would also like to thank the National ACS for inviting me to present at this year’s Leadership Institute. There, I had the honor to meet two inspirational ladies, ACS President, Judy Giordan and our past president, Angela Wilson. I am pleased to report that our Local Section impressed the socks off many of the other delegates. So much so that our Local Section even trended on social media!

Our February event highlights why our Section has struck a chord with so many of our chemistry-minded colleagues throughout the country. On the evening of Thursday, February 9, we will feature Prof. Robyn Araiza and her husband, Chef Victor Araiza for what is shaping up to be one of our most popular events, “Now You’re Cooking with Chemistry!” In this event, you will have the opportunity to learn to make delectable Rocky Road candy from scratch from the comfort of your own kitchen, all while learning some fascinating food chemistry. The first thirty members who reserved their spot received a complimentary ingredients kit. Even if you did not score a free kit, all the ingredients are easily accessible. Click here to register for the event and see the ingredient list, so you (and your valentine) can follow along!

Looking for a great event to inspire your little scientist or engineer? Super STEM Saturday returns on March 11 at CSU San Marcos! Come enjoy a plethora of exhibits and activities that are sure to be a memorable experience for the whole family. This event is free for the public and there is plenty of parking. Last year, about 10,000 people attended and we are expecting a huge turnout as well. Please email Robyn Araiza (raraiza@csusm.edu) if you would like to help make this the best Super STEM Saturday yet!
I wish you all a prosperous and chemistry-filled month of February.

With gratitude,

Juan Gonzalez
2023 Chair, San Diego Section of the American Chemical Society
Discord @g-orbital
Email: jppg@sandiegoacs.org
Web: www.sandiegoacs.org
NOW You're cooking with chemistry!

DATE:  February 9, 2023
TIME:  7PM
PLACE:  Zoom
RSVP :  Register here!

About the speakers

Robyn Araiza

Robyn Araiza is not your typical Science Lecturer at California State University San Marcos, where she is a double alumna. In 2007 Robyn earned her B.S. in Biochemistry followed by her Master’s in Chemistry in 2020 where she had the honor of being the first graduate from the program. Not only does Robyn continue to mentor students as a CSUSM faculty member, she is pursuing her PhD in Analytical Chemistry in collaboration with Dr. Kevin Schug at the University of Texas at Arlington. Robyn is passionate about making STEM programs available to all children and serves as the volunteer coordinator for Super STEM Saturday, an event that brings 10,000 people to campus each Spring to engage in STEM activities as part of the San Diego Festival of Science & Engineering. Robyn also leads the CSTEM Professional Mentoring Program at CSUSM, an effort to pair STEM students with mentors who are practicing professionals with the same degree and interests. Robyn is always looking for ways to share her excitement about science and how it is all around us.
As a result, she has been tapped to develop and deliver several significant new classes at CSUSM, including offering a virtual home lab for health majors even before the pandemic hit and taking over the “Science of Chocolate” course from Dr. Trischman Dean of CSTEM. Robyn is a dedicated advocate for equity in STEM and she is committed to diversifying instructional strategies both in and out of the classroom setting.

Chef Victor Araiza loves the creative process of producing amazing dishes but gets his greatest satisfaction from the joy the experience of eating these foods brings to others. Victor graduated from San Diego Culinary Institute in 2004 after having run restaurant kitchens for several years. He is a classically French trained, spending several of his early years working under Chef Fabrice Tissier. Victor spent many years opening and running restaurant kitchens in San Diego but has a distinct passion for building kitchens and menus from the ground up. Currently he is the Regional Foodservice Manager at Frazier Farms Market where he strives to create healthy and delicious dishes. He specializes in seafood with a focus on local and sustainable ingredients. With a passion for the outdoors, he aims to create meals from ingredients he has harvested from local lands and waters, and loves sharing this process with his son.

About the talk

Valentines Sugar: Making Rocky Road Candy and the Chemistry Behind the Confection
Regardless of its disputed origins, Rocky Road Candy is a unique flavor and texture combination that is hard to match. The chemistry behind the marshmallow base is as complex as the chocolate that encases it. This presentation will be a remote interactive Cooking and Chemistry event where you are encouraged to try your hand at making this delectable confection in your own kitchen along with Chef Victor Araiza as Professor Robyn Araiza explains the chemistry
CHEMISTRY OF BEER AND BREWING
+
NETWORKING EVENT

The Chemistry of Beer and Brewing Networking Event

With David Hecht, Ph.D.
Brew Master Guilhemme Hoffman

January 12, 2023
Novo Brazil Brewery
8:30 PM

ACS Chemistry for Life

Chemistry of Beer, Kombucha, and Brewing

November 4, 2022
San Diego Convention Center

Novo Brazil Brewery
Chula Vista, CA
UPCOMING ACS WEBINARS

Important Role of UGTs in Drug Metabolism and Drug-Drug Interactions
February 7, 2023
8:00 a.m. PST
Click here

Crossroads of Chemistry: Decisions, Opportunities and Finding your Path
February 16, 2023 @ 11 AM PST
Click here

Sub-500nm Simultaneous IR+Raman Microscopy for Microplastics and Materials Science Research
February 8, 2023
8:00 a.m. PST
Click here

Catalyzing Change: Using Your Chemistry Expertise to Advise Policymakers
February 2, 2023 @ 11 p.m. PST
Click here

Analytical Strategies for Complete Characterization and Purification of Synthetic Oligonucleotides
February 16, 2023
8:00 a.m. PST
Click here

Executive Committee Meeting
Dates 2023
6:30– 8:00 PM
February 2
March 2
April 6
May 4
June 1
July 6
August 3
September 7
October 5
November 2
December 7
Zoom Meeting
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 jppg@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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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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American Chemical Society, San Diego Section  
Executive Committee Meeting  
Jan, 6, 2023

Attendees: Sean Anderson, Surya De, Juan Gonzalez-Gonzalez (chair), Desiree Grubisha, Carolina Ibarra, Valerie Kuck, Julann Miller, Ken Poggenburg, Jim Shih, Ryan Smith, Mark Tichenor, Bill Tolley (secretary), Jackie Trischman, Christina Vialva, David Wallace

Visitors: Ebi Mostafavi

ExComm Minutes from Nov.  2022 (BT / JGG) – Juan’s name misspelled, $3000 allocated for picnic -- Approved with edits.

Budget for 2023 (JGG / DG) – Mark T: MedChem Symposium costs $8K for an in-person event, in the past, the cost has been covered totally by sponsorships, in-person typically draws ~300 attendees but attendance at the virtual meeting has been lower and has been dropping significantly, Mark is only member of committee currently available for the anticipated meeting time and will need more help to return to an in-person event, need to have committee in place within the next month, suggest raising budget for MedChem to $8K and add $8K to sponsorships; DIER grant funds have not been received and therefore not yet reflected in Section income; National has increased Project SEED stipends to students, Val proposing increasing allocation to $20K; suggest Year-end Meeting budget set to $2600; question for National ACS is regarding Zoom account continuing to be available to sections in 2023?; SABPA / SDACS co-meetings not occurring so delete this budget item; SDSU joint meeting has not happened recently but Section would benefit from better contact with university students, suggest speakers line item be increased to $3K

Motion: accept 2023 budget with proposed amendments -- Approved

Upcoming Seminars (VK) – Possible speakers: Dr. Topol at Scripps on safety, Pat Abbott – earthquakes; any good speaker ideas please send to Val.

Jan. Seminar (JGG) – Chemistry of Beer and Brewing, chemistry of fermentation, presentations from Dr. David Hecht (SWC) followed by Manager Roberto Cardoso and Headbrewer Guilherme Hoffmann at Novo Brazil location, 25 registrants currently (expecting ~35), $5 admission fee.

Feb. Seminar IPG Grant Seminar (JGG) – Feb. 9, Robyn Araiza CSUSM -culinary chemistry.

Super STEM Saturday (JGG / JT) – Sponsored by CSUSM, expecting ~12K attendees, March 9, 2023
C&E News Changes (JT) – Considerable staff changes and some concern that information from the magazine may be less reputable, suggestion to invite Paul Jagazinski to participate in an ExComm Meeting, councilors can encourage ACS Board to consider how personnel changes might negatively impact usefulness and perceptions of trustworthiness of the publication.

Leadership Institute (JGG) – As suggestion from ExComm, Juan will attend since he has not attended the event in person and can discuss the glass-blowing seminar as an example of a uniquely successful event.

BioTechX Congress (JGG) – Opportunity to market San Diego, as a for-profit event, we may advertise the event in Section publications for a small fee, but decline other participation.

Scam on Juan's account (JGG) – ExComm members received e-mail purporting to be from Juan; never open attachments if unrecognized e-mail.

Earth Week Chemistry Coordinator (JGG) – Any interest from our members to fill this position?

Adjourn: 7:45 p.m.

Next meeting: Feb. 2, 6:30 p.m.
**UPCOMING EVENTS 2023**

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*Now You're cooking with chemistry!*
February 9, 2023
ZOOM
Register here

**********

Super STEM Saturday
March 11, 2023
10AM- 4PM
CSUSM Campus

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Bill Szabo (2023) 858-550-0306
Christina Vialva, Southwestern College (2024) 951-287-4503

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Mark Tichenor (Co-Chair), Janssen Pharmaceuticals, Inc. 858-334-8914
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