

## *Navigating Chemical Space, Career and Family*

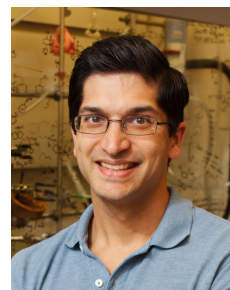
**Ryan Shenvi, PhD**  
**Professor**  
**Department of Chemistry**  
**Scripps Research, La Jolla**

**DATE:** Tuesday, June 15, 2021

**TIME:** 7:00 PM PDT

**PLACE:** Your Computer

**RSVP:** <https://www.eventbrite.com/e/navigating-chemical-space-career-and-family-tickets-155531519963>



### **ABOUT THE SPEAKER:**

Ryan Shenvi completed his B.S. studies at Penn State University where he did research with Prof. John Desjarlais on protein biophysics and Prof. Raymond Funk on chemical synthesis. He earned his Ph.D. as an NDSEG Doctoral Fellow with Prof. Phil Baran at The Scripps Research Institute, and then joined the laboratory of Prof. E. J. Corey at Harvard University as an NIH Postdoctoral Fellow. He began his career in 2010 at The Scripps Research Institute and was tenured in 2014. In 2015, he became the primary caretaker of four children (ages 0–4) for five years, while his wife undertook a surgical residency.

### **ABOUT THE PRESENTATION:**

The Shenvi Group conducts research on the chemistry of "natural products". These are small molecules that control the state and fate of individual cells, tissues, and organisms. Unlike most FDA-approved small molecules, natural products exhibit a high degree of asymmetry and non-planarity. Viewed as information carriers, natural products condense a remarkable amount of data into a very small volume.

Shenvi will discuss how the beauty and challenges of natural products inspired discoveries at the interface of chemistry, biology, catalysis and mechanism. These discoveries led to new methods and mechanistic models that have become widely adapted. He will also discuss the navigation of chemical space to discover "supernatural products" – that is, natural products with gain-of-function mutations.

In addition, he will examine the challenges faced by U.S. faculty in the 21st century. The rise of dual-career families, delocalization/mobility and housing costs are altering the traditional models of an academic career. This talk will chart the strategic choices, sacrifices, mistakes and rare successes in an ongoing path through academia.

### CHAIR NOTES

Dear ACS Members,

Boy, time sure flies by fast! Unbelievably, June is already upon us, and I hope everyone is well. We had our fifth Executive Committee Meeting of 2021 virtually on Zoom on Thursday, May 6<sup>th</sup>, where we planned several future events and discussed the many activities that occurred in April.

On Thursday, May 13<sup>th</sup>, **Valerie Kuck**, one of our Section councilors who retired from Lucent Technologies/Bell Labs, presented "A Close Examination of the Training and Academic Hiring of Women in STEM Fields". Based on surveys, interviews and onsite discussions, Val presented the obstacles women in STEM fields have faced in graduate school and beyond. We had over 80 online registrations and over 60 virtual attendees.

On Thursday, June 15<sup>th</sup>, at 7PM, Professor **Ryan Shenvi**, Department of Chemistry at Scripps Research, La Jolla, will discuss "Navigating Chemical Space, Career and Family". He will discuss how the beauty and challenges of natural products inspired discoveries at the interface of chemistry, biology, catalysis and mechanism. He will also examine the challenges faced by US faculty in the 21st century in mobility, family, housing, and other career choices. Registration for the talk is via Eventbrite - <https://www.eventbrite.com/e/navigating-chemical-space-career-and-family-tickets-155531519963>

Our next Executive Committee meeting will take place on Thursday, June 3<sup>rd</sup>, at 6pm on Zoom. I invite all members who wish to become more involved in the Section to join us. Bring your ideas, your suggestions, and your unique talents to help make 2021 a wonderful year. Please contact me at [jshih@sandiegoacs.org](mailto:jshih@sandiegoacs.org) to receive Zoom login details.

James J. Shih, 2021 Chair  
San Diego Section of the American Chemical Society  
E-mail: [jshih@sandiegoacs.org](mailto:jshih@sandiegoacs.org)  
Web: [www.sandiegoacs.org](http://www.sandiegoacs.org)

### 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 2021 Chair, **Jim Shih** at [jshih@sandiegoacs.org](mailto:jshih@sandiegoacs.org). Once approved, Jim will see that your announcement is published on our website ([www.sandiegoacs.org](http://www.sandiegoacs.org)) and, if received by the 20<sup>th</sup> 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](http://www.sandiegoacs.org) a separate notification is sent to the **2,500 members** of the ACS-San Diego Section, each potential customers for your products and services! **Quick turnaround:** Ad copy submitted by the 20<sup>th</sup> of each month will be published by the end of that month.

Payments can be made by check or credit cards to  
<https://checkout.square.site/merchant/MLAPMMDVQ8HQB/checkout/TIKH3SV5GGW6MVQ2NYGION4N>

For more information, please contact:

**Renate Valois** at [renate@sandiegoacs.org](mailto:renate@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 20<sup>th</sup> of the month** for publication by the end of that month.

**Advertisers:** Ad prices as of January 1, 2015:  
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:

**Renate Valois** at [renate@sandiegoacs.org](mailto:renate@sandiegoacs.org).

### SECTION E-MAIL LISTSERVER!

Get up-to-the-minute reminders of local events and develop dialogs with your fellow members!

To subscribe to our moderated listserver:

1. Send an e-mail with SUBSCRIBE TO LISTSERVER in the subject line, and your name and e-mail in the body of the message to **Ken Poggenburg** at [jkp135@att.net](mailto:jkp135@att.net).
2. If you receive a message from the postman, reply to confirm that you wish to be added to the list, otherwise it will not take effect.
3. You will receive reminders approx. 5-7 days prior to upcoming events and messages of general interest to members.
4. To post topics for discussion, or informational items to the listserver members, send the message to [sandiego-chemist-l@ucsd.edu](mailto:sandiego-chemist-l@ucsd.edu).
5. If the moderator approves the post, it will be sent to the members.

**NOTE:** That is the letter "l", not the number "one" following the word "chemist".

### Executive Committee Meeting Dates 2021

6:00 – 8:00 pm

<b>Thursday</b>	<b>June</b>	<b>3</b>
<b>Thursday</b>	<b>July</b>	<b>8</b>
<b>Thursday</b>	<b>August</b>	<b>5</b>
<b>Thursday</b>	<b>September</b>	<b>2</b>
<b>Thursday</b>	<b>October</b>	<b>7</b>
<b>Thursday</b>	<b>November</b>	<b>4</b>

**Zoom Meetings until further notice**



The San Diego Section of the American Chemical Society would like to thank our Corporate Sponsors. Here are a few examples of our annual outreach programs that are made possible by their generous donations:

**Mad Science** - Stage demonstrations for 4<sup>th</sup> and 5<sup>th</sup> graders which make science fun for kids! Last year the program was viewed by over 8000 students in low-income areas and from military families.

**ChemExpo** - A science event for middle and high school students held in Balboa Park annually for the past 27 years. It features live stage demonstrations and interactive booths that teach kids about applied science. Last year over 1000 local students participated!

**EarthFair** - We participate in the world's largest free annual environmental fair, held in Balboa Park.

#### CONGRATULATIONS

**Tom Beattie** was the recipient of the 2020 Shirley B. Radding Award which is presented annually by the American Chemical Society Silicon Valley Section to an ACS member who has contributed to the local, regional, and national activities of the society.

<https://cen.acs.org/people/awards/Radding-Award-Thomas-R-Beattie/99/i16>

#### CONGRATULATIONS TO THE 2021 USNCO NATIONAL EXAM FINALISTS!

14 San Diego high school students participated in this year's U.S. National Chemistry Olympiad (USNCO) Digital National Exam Part 1.

Congratulations to all students for their outstanding achievement in high school chemistry.

High Honors

**Nikhil Seshadri**, University City HS

**Ethan Lin**, Westview HS

Honors:

**Daniel Wang**, Torrey Pines HS

Honorable Mention:

**Anna Liu**, Rancho Bernardo HS

**Nikhil Seshadri**, University City HS, ranked top 20 nationwide and will be a participant in this year's USNCO Virtual Study Camp. Students will join their mentor team for the Virtual Study Camp from Monday, May 31, to Friday, June 11.

Thank you to **Professor Joan Schellinger**, Department of Chemistry and Biochemistry, University of San Diego, for coordinating the Chemistry Olympiad for the ACS - San Diego Section.

#### LOOKING FOR VOLUNTEERS FOR JUNE 26 TO JUNE 30, 2022

The Executive Committee of the [Division of Organic Chemistry](#) of the American Chemical Society and the Department of Chemistry at the University of California, San Diego, invite you to attend the 47<sup>th</sup> National Organic Chemistry Symposium. **This biennial event will be held from Sunday, June 26 to Thursday, June 30, 2022 at UCSD.**



For more information please see <https://nationalorganicsymposium.org/>.

For volunteers please see <https://nationalorganicsymposium.org/organizers/>.

Volunteer opportunities include chairing sessions during the plenary talks, judging the poster sessions, and running registration tables and social events.

#### MARK YOUR CALENDAR

**VIRTUAL 23<sup>rd</sup> Annual San Diego MedChem Symposium**

**Start 9:00 AM - End TBD**

**Friday July 16, 2021**

#### IT IS NOT TOO EARLY----

#### ----- TO THINK ABOUT THE

#### ANNUAL SAN DIEGO ACS LOCAL SECTION ELECTIONS 2022

Nominations for Section offices are now in order. Per our Bylaws, the current Chair-Elect will assume the Chair, but other positions are open for election, including:

**Chair-Elect • Secretary • Treasurer • 3 Councilors • 3 Members-at-Large**

Councilors, Alternate Councilors, and Members-at-Large serve for three years, and all incumbents may succeed themselves. We encourage the active participation of our members! In particular, Member-at-Large is an excellent way to get involved in Section leadership. If you have an interest in becoming involved in the ACS-San Diego Section and want to make a self-nomination as a candidate for an elected position, please contact: **Jim Shih** at [jshih@sandiegoacs.org](mailto:jshih@sandiegoacs.org)

Please send your bios to **Renate Valois** at [renate@sandiegoacs.org](mailto:renate@sandiegoacs.org) by September 23.

#### NOTE: VOTING WILL AGAIN BE DONE ELECTRONICALLY

Voting will be done electronically using your email address on record for the ACS. If you wish to receive a paper ballot instead, please call or e-mail **Jackie Trischman**, Election Coordinator, at **858-414-3323** or [trischma@csusm.edu](mailto:trischma@csusm.edu) by **Tuesday, November 2** and leave your name and mailing address. You will be mailed a paper ballot.

If you do not request a paper ballot, you will receive instructions on how to vote via email. Please be sure your email address on file with the ACS is current! To update your email address with the ACS, use [www.chemistry.org](http://www.chemistry.org)

## TRIVIA NIGHT

On April 15<sup>th</sup>, the Younger Chemists Committee (**Kristen Counsel**, **Chris Fisher**, **Alex Rovira**, **Brittany Witherspoon**), student affiliate member **Mara Alonso**, and Chair-elect, **Juan Gonzalez**, hosted a Trivia Night event over Zoom for our Local Section. A diverse representation of the Local Section attended the event, which included both chemistry undergraduates to late-career professionals. In all, about 30 people from the local chemistry community participated. The competition was fierce and exciting! Teams battled for one of two cash prizes over four rounds, then wagered it all in a "go big or go home" final round. Trivia Night was so well received that the Local Section will consider holding more of these kinds of events in the future.

-Juan Gonzalez

## A LOOK INTO THE FUTURE OF ELECTRICAL CHEMICAL BATTERIES

On April 22, Prof. **Amy Marschilok** of Stony Brook University in Long Island, shared findings from her research with seventy-one attendees at the San Diego Section's General Interest Meeting. She discussed her latest efforts in identifying new materials for the next generation of high power, high energy, environmental, sustainable chemical batteries. Using electron microscopy and energy dispersive X-ray diffraction, she monitored the chemical processes occurring during battery discharge. She noted that during discharge only the metal moieties present on the electrode surface were active. By using smaller-sized magnetite crystallites deposited on a carbon electrode, she was able to lower the amount of undesired heat generated during discharge. Ideally, she stated that small, densely packed structures appear to be the best approach. The meeting concluded with a lively discussion on other metals that would be good candidates in developing electrodes with low resistance that would continuously generate current.

Text: Valerie Kuck

## A CLOSE EXAMINATION OF THE TRAINING AND ACADEMIC HIRING OF WOMEN IN STEM FIELDS

On Thursday, May 13<sup>th</sup>, **Valerie Kuck**, one of our Section councilors who retired from Lucent Technologies/Bell Labs, presented "[A Close Examination of the Training and Academic Hiring of Women in STEM Fields](#)". Based on surveys, interviews and onsite discussions, Val presented the obstacles women in STEM fields have faced in graduate school and beyond. She presented challenges encountered by female graduate students and post-docs, as well as female faculty members. Val also discussed the way forward and what must change to improve the situation. **Jackie Trischman**, who is also a San Diego Section councilor, commented that it was very encouraging to hear that several local universities are working hard to support underrepresented PhD students and to change the landscape of hiring practices, onboarding processes, and mentoring of new faculty in Chemistry. There were over 80 online registrations and over 60 virtual attendees.



### Way Forward

- For America to have a Technological Edge in Physical Sciences & Engineering **change must occur**.
- Departments must evolve
  - Create **cultures of equality, respect and inclusion**
  - Train their faculty and staff, in diversity and inclusion awareness, and the impact of unconscious biases.
  - Address problems with the **advisor-student relationship**
  - Critically review current **hiring, recruitment and promotion practices**

Complete buy-in and resolve are needed for change to occur

### STEM Doctoral Degrees Granted in 2016<sup>1</sup>

Field	Number of Female Doctorates	Female % of Doctorates	% Change For Females from 2004
Biological/Biomedical Sciences	4720	53	44
Geo/Atmospheric/Ocean	510	45	92
Bioengineering/Biomedical Eng	402	37	125
<b>Chemistry</b>	<b>991</b>	<b>37</b>	<b>22</b>
<b>Chemical Engineering</b>	<b>297</b>	<b>32</b>	<b>38</b>
Mathematics/Statistics	540	29	37
<b>Materials Science Engineering</b>	<b>242</b>	<b>27</b>	<b>72</b>
Physics/astronomy	462	20	63
Computer/Information	419	20	35
Mechanical Engineering	202	16	40

NSF, National Center for Science and Engineering Statistics Survey of Earned Doctorates, Table 15

In attracting women, the bio and earth science / bioengineering fields are outperforming other STEM areas

### Post-Doctoral Experience

Finding:

- Men perceived that they were more valued

My Post-doc Advisor was interested in	Men	Women
Hearing about your research findings	6.0	5.3
Helping you get more publications	5.3	4.7
Listening to your research ideas	5.5	4.9
Teaching you new techniques/skills	4.5	4.0

Rating Scale (1-7): 1 = Very Little 4 = Neutral 7 = A lot / Very Much

Women had poorer relationships with their post-doc advisors

### STEM Doctoral Degrees Granted in 2016<sup>1</sup>

Field	Number of Female Doctorates	Female % of Doctorates	% Change For Females from 2004
Biological/Biomedical Sciences	4720	53	44
Geo/Atmospheric/Ocean	510	45	92
Bioengineering/Biomedical Eng	402	37	125
<b>Chemistry</b>	<b>991</b>	<b>37</b>	<b>22</b>
<b>Chemical Engineering</b>	<b>297</b>	<b>32</b>	<b>38</b>
Mathematics/Statistics	540	29	37
<b>Materials Science Engineering</b>	<b>242</b>	<b>27</b>	<b>72</b>
Physics/astronomy	462	20	63
Computer/Information	419	20	35
Mechanical Engineering	202	16	40

NSF, National Center for Science and Engineering Statistics Survey of Earned Doctorates, Table 15

In attracting women, the bio and earth science / bioengineering fields are outperforming other STEM areas

### The Case for Diversity & Inclusion

- Embracing diversity and creating inclusive environments is the smart thing to do
- More diverse and inclusive teams consistently outperform their peers when they are:
  - More gender diverse (by 21%)<sup>10</sup>
  - More ethnically diverse (by 35%)<sup>10</sup>
  - Employees who feel their voice is heard are ~ 4.6-times more likely to perform at their highest level<sup>11</sup>

<sup>10</sup>Deloitte Through Diversity, January 2016, McKinsey & Company  
<sup>11</sup>The Impact of Diversity and Inclusion on Business, 2017, Deloitte

Industry and government are leading the way

Text: Jim Shih, Jackie Trischman  
Photo Credit: Jim Shih

## **IN MEMORIAM**

**Professor Emerita Marjorie C. Caserio** passed away in April 2021, while on a visit to Mexico. Many chemists, and others who were students of sophomore organic chemistry, may remember Marjorie as a co-author of "Basic Principles of Organic Chemistry" along with John D. Roberts. Their textbook was first published in 1964, and went through many subsequent editions.

Marjorie was born in England, and attended the North London Collegiate School. Her MS and PhD were earned from Bryn Mawr College in Pennsylvania. Her postdoctoral years were spent at Cal Tech, working with Professor John D. Roberts. In 1964 she joined the Department of Chemistry at the new University of California, Irvine campus. During her years as a professor at UC Irvine, she held a number of administrative roles, including chair of the department, campus academic senate chair, and UC-wide faculty representative to the Board of Regents.

In 1990 she joined the UC San Diego campus as Senior Vice Chancellor, Academic Affairs. Even while in this full-time position as the #2 administrator on campus, she continued to teach introductory organic chemistry. In 1995-96 she served as Interim Chancellor of the university.

Marjorie retired in 1996, but remained active in the UC Emeriti Association. She was honored with the Revelle Medal at UC San Diego in 2019. Her National ACS activities throughout her career included a long stance on the Committee on Professional Training (CPT), where she also served as chair. She received the Francis P. Garvan Medal from ACS in 1975, and our local San Diego ACS Distinguished Scientist Award in 1994.

She always had time for mentoring others, especially women chemists, and I count myself fortunate to have known her for the past several decades, and to have benefitted from her advice, humor, and friendship.

-Barbara A. Sawrey

## **AMERICAN CHEMICAL SOCIETY (ACS) AND YOUR CAREER**

The ACS is big! In fact, it is one of the world's largest scientific organizations with more than 155,000 members in 150 countries. It takes a big organization (and a big website) to serve its many members. If you are like me, sometimes it is difficult to know what is on [acs.org](https://www.acs.org) or to find what you need to know by just using the ACS website search function.

As a member of CEPA, the National ACS Committee on Economic and Professional Affairs, I had occasion recently to connect with the ACS offerings for members to develop their careers at any career level. No, at my age, I was not looking for a job! Rather, I was fulfilling one of my responsibilities to evaluate and critique the online "Career Pathways" that ACS currently offers to its members.

I reviewed four ACS courses, each 1-2 hours in length, which were among a suite of 14 courses offered under the "ACS Career Navigator™" heading at <https://www.acs.org/content/acs/en/careers.html> and divided among four categories:

- Developing and Growing in Your Career
- Exploring Career Options
- Finding and Landing a Job
- Finding Networking Opportunities

What I reviewed was excellent information well presented, and I judge very helpful in many ways. The networking offering stressed that only 30% of jobs available are advertised and advised how to connect with the other 70%. Two offerings in the job-finding category explored finding a government position. My take home message from these: Don't try it without reviewing these ACS courses. The process for finding a government job is so very different from job finding in academia, industry or entrepreneurship.

Also, you will find at the same website opportunities for working with a personal career consultant and for having your resume reviewed by a pro.

Do take advantage of this valuable resource!

Tom Beattie  
Councilor  
ACS San Diego Local Section



**SUMMARY OF THE SAN DIEGO ACS SECTION  
EXECUTIVE COMMITTEE TELECONFERENCE  
MAY 6, 2021**

Treasurer's Report – Received allotment check from National for \$37,926.06, double the usual allotment; expenses - \$1,150 for Chemistry Olympiad and Greater San Diego Science and Engineering Fair student awards; currently \$77K in checking account"

**Action:** Sell another 650 shares of VWENX and move fund from sale to VBIRX fund

Spring National Meeting –Sr. Chemist Committee working to get funding for education, Project SEED not able to proceed with mentoring due to COVID restrictions, National has produced career planning seminars (1-2 hr each) intended for every career level; recordings are available at <https://www.acs.org/content/acs/en/careers.html>. National is implementing tiered dues in an effort to better match cost of dues to level of participation that each member desires; notification from National that ~50% of authors for presentations in Fall National Meeting prefer in-person

Festival of Science and Engineering – No further information at this point

Chemistry Olympiad –69 students took exam in San Diego, 14 of those were among top 200 qualifying to sit for the National exam, four from San Diego passed the National examination, Nikhi Seshadri from University City High School qualified for study camp at Air Force Academy

Monthly Seminars – April Monthly Seminar – Dr. Amy C. Marschlok regarding future possibilities in electrochemistry for batteries, 121 registered, 71 attended, presentation was not cleared for copying or distribution; May seminar -- Val Kuck's presentation given at Georgia Tech regarding women's experience in STEM education; Val asked Flint Lewis regarding propriety of sending speakers not in the Section a \$100 honorarium in recognition of their time and effort, which he deemed appropriate

MedChem Symposium – Virtual event this year owing to pandemic; four speakers committed at this point; option for two other qualified presenters, but the current schedule is worthy of the seminar, July 16 (Friday)

YCC Chem Trivia Activity – Excellent turnout ~30 attendees, excellent help from student assistants; suggestion to use this activity for other members such as Sr. Chemists

Chemistry Slam – Will be postponed in effort to reach more people

UCSD Undergraduate Research Symposium – Being held virtually for 2<sup>nd</sup> year, student presenters with presentations judged by professionals / educators, May 27, public welcome; including a keynote speaker; student affiliate planning on a journal for next academic year and asking for ACS members to write career experiences to be included in this publication

Mad Science – San Diego Unified School District announced in-person school next Fall, creating the opportunity for in-person Mad Science programs next year

IPG – One idea for an event involving art and chemistry; idea in development, more next month

National Organic Symposium – Moved to 2022

50-60-70-Year Member Recognition – Thinking to compile a booklet with brief career overview from each of the honorees; considering finding a journalism student to prepare bios

Next meeting: June 3

**ACS SCIENCE COACHES: SHARING EXPERIENCE AND ENTHUSIASM!**

Support and enhance K-12 chemistry education through the [ACS Science Coaches](#) program! Science Coaches is a unique opportunity for teachers to partner for a year with a chemist like you, who can:

- Provide advice on real-world applications of lessons, demos, or experiments
- Help develop and enhance lesson plans
- Mentor student research projects
- Promote inquiry-based learning
- Support classroom-based experiments
- Assist with chemical storeroom organization and safety
- Sponsor after school science clubs

And much more!

Take advantage of this great opportunity to give back to your community, share your expertise with teachers and students, and inspire the next generation of chemists! For 2021-2022, partners may hold meetings virtually to ensure the safety of all participants during the COVID-19 pandemic.

Apply today! Applications are open now through **September 1**, and you will be notified by October 1. Learn more on the [Science Coaches](#) webpage.

**A New Gateway to Learning Resources: The ACS Institute**

ACS is pleased to announce the launch of the [ACS Institute](#), a centralized portal with over 100 educational and training products and programs from across the Society. The portal includes a new series of both in person and online courses from ACS Publications and a suite of new courses from ACS Education.

The goal of the ACS Institute is to offer courses that are essential to the development of any scientist yet may fall outside of the traditional academic curriculum or that are required to advance in one's career, yet not readily available. [Courses and programs offered will support a broad spectrum of learner needs](#), from foundational courses for undergraduate and graduate students to more deeper learning aimed at extending the career experience and credentials of practicing educators and industry professionals.

Learn more and get started on the [ACS Institute](#) homepage!

## Challenging the status quo in Strategic Patent Counseling.

Dentons combines legal, political, governmental, scientific and business experience to help you achieve your business objectives. We assist in patent prosecution and strategy for emerging and early stage companies. Our Intellectual Property and Technology team has considerable and broad experience in chemistry, pharmaceuticals, enzymology, biotechnology, immunology and other industry sectors.

**Stephanie L. Seidman, Ph.D.**

Admitted in the District of Columbia only

Partner, San Diego

D +1 619 595 8010

[stephanie.seidman@dentons.com](mailto:stephanie.seidman@dentons.com)

Dentons. Now the world's largest global elite law firm.\*

大成 DENTONS

[dentons.com](http://dentons.com)

© 2016 Dentons. Dentons is a global legal practice providing client services worldwide through its member firms and affiliates. Please see [dentons.com](http://dentons.com) for Legal Notices.

\*Acritas Global Elite Law Firm Brand Index 2013-2015.



## 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](mailto:trischma@csusm.edu)

760-750-4206

### Point Loma Nazarene University

Sara Choung

[SaraChoung@PointLoma.edu](mailto:SaraChoung@PointLoma.edu)

619-849-2627

### San Diego Mesa College

Dwayne Gergens

[dgergens@sdccd.edu](mailto:dgergens@sdccd.edu)

619-388-2609

### San Diego Miramar College

Fred Garces

[fgarces@sdccd.edu](mailto:fgarces@sdccd.edu)

619-388-7493

Linda Woods

[lwoods@sdccd.edu](mailto:lwoods@sdccd.edu)

(619) 388-7750

### Southwestern College, Chula Vista

Juan Gonzalez

[jgonzalez3@swccd.edu](mailto:jgonzalez3@swccd.edu)

619-421-6700x5947

### University of California, San Diego

Stacey Brydges

[sbrydges@ucsd.edu](mailto:sbrydges@ucsd.edu)

858-246-0993

Thomas Bussey

[tbussey@ucsd.edu](mailto:tbussey@ucsd.edu)

858-822-6665

### University of San Diego

Tammy Dwyer

[tdwyer@sandiego.edu](mailto:tdwyer@sandiego.edu)

619-260-4030

## NuMega Resonance Labs

FAST TURNAROUND, ACCURATE RESULTS

\*NMR 500MHz\* Mass\* Elemental Analysis

TEL: (858) 793-6057

[www.numegalabs.com](http://www.numegalabs.com)

### 2021 ACS REGIONAL MEETINGS

Great Lakes Regional Meeting (GLRM)	June 6-9	Online
Middle Atlantic Regional Meeting (MARM)	June 9-12	Online
Northeast Regional Meeting – NERM 21	October 8-11	Boston, MA
Midwest Regional Meeting (MWRM)	October 21-22	Springfield, MO
Rocky Mountain Regional Meeting (RMRM)	October 21-23	Tucson, AZ
Southwest Regional Meeting (SWRM)	October 31-Nov 3	Austin, TX
SERMACS 2021 <a href="http://sermacs2021.org/">sermacs2021.org/</a>	November 10-13	Birmingham, AL



### LOOKING FOR A CHEMIST?

CHEMPLOYMENT IS THE ANSWER!

THE SAN DIEGO CHEMIST

is read by nearly 3000 chemists and biochemists in San Diego and Imperial Counties.

A two-month ad costs only \$80.00

For information contact: **Renate Valois** – [renate@sandiegoacs.org](mailto:renate@sandiegoacs.org)



### YOUR AD HERE

Your ad in the next issue of

**THE SAN DIEGO CHEMIST**

For information contact:

**Renate Valois** –

[renate@sandiegoacs.org](mailto:renate@sandiegoacs.org)

## **UPCOMING EVENTS**

**VIRTUAL**  
**NAVIGATING CHEMICAL SPACE, CAREER AND FAMILY**  
**Ryan Shenvi, PhD, Professor**  
**Department of Chemistry, Scripps Research, La Jolla**  
**Tuesday, June 15, 2021**

\*\*\*\*\*

**VIRTUAL**  
**23<sup>rd</sup> ANNUAL SAN DIEGO MEDCHEM SYMPOSIUM**  
**Start 9:00 AM - End TBD**  
**Friday, July 16, 2021**

\*\*\*\*\*

**262<sup>nd</sup> ACS NATIONAL MEETING & EXPOSITION**  
**Atlanta, Georgia**  
**August 22-26, 2021**

\*\*\*\*\*

**EARTH DAY - EARTHFAIR 2021**  
**Balboa Park, San Diego, CA**  
**<http://www.earthdayweb.org/>**  
**Sunday, September 19, 2021**

## **THE SAN DIEGO SECTION OF THE AMERICAN CHEMICAL SOCIETY**

### **WELCOMES ITS NEW MEMBERS**

Rebecca Bader  
Thomas Beardslee  
Rohan Beckwith  
Vagarshak Begoyan  
Tom Carr  
Pratik Rajesh Chheda  
Adam Cooper  
Thomas Cummins  
Dharmal Dodd  
Carolina Farnham  
Eva Fong  
David Gedymin  
Howard Hang  
Samuel Hays

Michael Hocker  
Natalie Holmberg-Douglas  
Jim Hughes  
Richard Jenkins  
Lei Jia  
George Johnston  
Adam Kallel  
Eleanor Landwehr  
Allison Lim  
Brandon McCullough  
Giulianna Miseo  
Maina Ndungu  
Alok Nerurkar  
Ealin Patel

Gordon Peiker  
Geoffrey Piland  
Hannah Powers  
Anne Marie Prentiss  
Francisco Sarabia  
Suraj Saraswat  
Lisa Savagian  
Tumul Srivastava  
Megan Stone  
Sarah Waller  
Justin Washabaugh  
Jin Xu  
Pengyu Yang



**2021 EXECUTIVE COMMITTEE & COMMITTEE MEMBERS  
SAN DIEGO SECTION OF THE AMERICAN CHEMICAL SOCIETY**

**EXECUTIVE COMMITTEE**

<i>Chair</i>	Jim Shih, Eli Lilly & Co, <a href="mailto:jshih@sandiegoacs.org">jshih@sandiegoacs.org</a>	(2021)	626-826-3561
<i>Past Chair</i>	James Caldwell, Accelagen, Inc., <a href="mailto:jcaldwell@sandiegoacs.org">jcaldwell@sandiegoacs.org</a>	(2021)	815-262-9697
<i>Chair-Elect</i>	Juan P. Gonzalez-Gonzalez, Southwestern College, <a href="mailto:jgonzalez3@swccd.edu">jgonzalez3@swccd.edu</a>	(2021)	619-813-8520
<i>Secretary</i>	William Tolley, Seacoast Science, Inc., <a href="mailto:b_tolley@uno.com">b_tolley@uno.com</a>	(2021)	858-780-0978
<i>Treasurer</i>	Desiree Grubisha, Heron Therapeutics, <a href="mailto:desgrubisha@gmail.com">desgrubisha@gmail.com</a>	(2021)	858-254-5497
<i>Councilors</i>			
	Thomas R. Beattie	(2021)	858-293-3012
	Hui Cai, WuXi AppTec	(2022)	858-361-8838
	Desiree Grubisha, Heron Therapeutics	(2021)	858-254-5497
	Valerie Kuck	(2023)	973-744-5510
	Jackie Trischman, CSUSM	(2022)	858-414-3323
	David Wallace, Wallace Scientific Consulting	(2021)	858-638-1866
<i>Alternate Councilors</i>			
	Surya K. De, Supra Sciences, Inc.	(2022)	858-337-4961
	Julann Miller, Waters Corporation	(2023)	800-252-4752 x6802
	Ken Poggenburg	(2022)	760-635-2573
	Ben Pratt, Pratt Pharma Consulting LLC	(2022)	858-945-7893
	Shannon Woodruff, HP Inc.	(2023)	949-735-9021
<i>Members-at-Large</i>			
	James O'Brien, TE Connectivity	(2023)	858-336-0654
	Bill Szabo	(2022)	858-550-0306
	Joann Um, Southwestern College	(2022)	510-823-8637

**STANDING & SPECIAL COMMITTEES**

*Awards Nomination Committee*

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

*ChemExpo*

Jackie Trischman, CSUSM	858-414-3323
-------------------------	--------------

*Communications Committee*

Surya K. De, Supra Sciences, Inc.	858-337-4961
Desiree Grubisha, Heron Therapeutics	858-254-5497
Ken Poggenburg	760-635-2573
Renate Valois (Newsletter Editor)	619-692-0638
David Wallace, Wallace Scientific Consulting	858-638-1866

*Distinguished Scientist Awards Nomination Committee*

Thomas R. Beattie (Chair)	858-293-3012
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*

James Caldwell, Accelagen, Inc.	815-262-9697
---------------------------------	--------------

*Finance Committee*

Bill Szabo (Chair)	858-550-0306
Tom Beattie	858-293-3012
James Caldwell, Accelagen, Inc.	815-262-9697

*Fundraising Committee*

**OPEN**

*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
---------------------------------	--------------

*Mad Science Program*

Thomas R. Beattie	858-293-3012
-------------------	--------------

*MedChem Symposium*

Ben Pratt (Co-Chair), Pratt Pharma Consulting LLC	858-945-7893
Mark Tichenor (Co-Chair), Janssen Pharmaceuticals, Inc.	858-334-8914
David Wallace (Co-Chair), Wallace Scientific Consulting	858-638-1866

*Membership Committee*

**OPEN**

*Nominations Committee*

**OPEN**

*Outreach Committee*

Kevin McKowen, Wyatt Technology	(801) 719-0511
Julann Miller, Waters Corporation	800-252-4752 x6802

*Picnic Committee*

James Caldwell (Chair), Accelagen, Inc.	815-262-9697
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*

Thomas R. Beattie	858-293-3012
-------------------	--------------

*Women Chemists Committee*

Valerie Kuck	973-744-5510
--------------	--------------

*Younger Chemists Committee*

Kristen Counsell, Drawbridge	319-830-3097
Christopher Fisher, CG Life,	860-455-5297
Alexander Rovira, Janssen Research and Development	858-784-3013
Brittany P. Witherspoon, Janssen Research and Development	619-373-2436

*Voice Mail – San Diego Section*

619-687-5570