

REFLECTIONS ON CONNECTIONS BETWEEN TEACHING AND RESEARCH

2017 Distinguished Scientist Award Banquet

Charles L. Perrin, PhD
Distinguished Professor of Chemistry
University of California, San Diego

About the Talk

A university professor is expected to both teach and do research, but the unique role is teaching students to do research. I have been fortunate to benefit from a synergy between teaching and research. Several of my research projects were suggested through my teaching, and several of my teaching efforts were inspired by my research. This two-way synergy will be illustrated with a wide variety of examples.



About the Speaker

Born in 1938 in Pittsburgh, Charles L. Perrin graduated from Harvard College in 1959 and received his PhD in 1963 from Harvard University, under the direction of the late F. H. Westheimer. He next was an NSF Postdoc with Andrew Streitwieser at UC Berkeley. In 1964 he joined the founders of the new campus at UC San Diego, where he is now Distinguished Professor of Chemistry (not emeritus). He has won awards for both teaching and research. His research spans a broad range of structural and mechanistic organic chemistry, including anomeric effects, stereoelectronic control, isotope effects, dynamic NMR, ionic solvation, symmetry of hydrogen bonds, a highly accurate NMR titration method for relative acidities, malonic anhydrides, the discovery of nucleophilic additions to a para-benzyne diradical, and the protonation of the resulting "naked" aryl anion. His teaching, not only to students but also to professional chemists, has resulted in a textbook, *Mathematics For Chemists*, two ACS Audio Courses, articles in *J. Chem. Ed.*, a chapter, "Physical Organic Chemistry", in the Academic Press *Encyclopedia of Physical Science and Technology*, contributions to the IUPAC Glossary of Physical Organic Chemistry, and over 40 other publications.

- **Tony Bottone Award for Outstanding Service**
Graeme Freestone, Treasurer and Immediate Past Chair, ACS-San Diego Section
- **Outstanding Committee Chair Award**
Valerie Kuck, Co-Chair, San Diego Section Awards Committee
- **Outstanding Chemistry Educator Award**
Jessica Bell, Department of Chemistry and Biochemistry, University of San Diego

DATE: Wednesday, October 18, 2017

TIME: 6:00 PM No host bar
6:30 PM Dinner
7:30 PM Award lecture

PLACE: The Ida and Cecil Green Faculty Club – UCSD, 9500 Gilman Drive, La Jolla
For directions please see: <http://facclub.ucsd.edu>

PRICE: \$30.00 per dinner, \$15.00 with student I.D.

Reservations required

RSVP: Monday, October 16, 2017
<https://sandiegoacsperrin2017.eventbrite.com>

CHAIR NOTES

Dear ACS Members,

Fall is officially here! Crisp morning air, orange leaves on trees, and we prepare for the plunge into the end-of-the-year holiday season! Your SDACS continues its efforts to provide chemistry-centric programs and outreach activities in the local community. Here is what happened lately: On Saturday, September 16, a few of our members ran a fun booth at a STEM-focused outreach event designed for 5th-8th-grade girls. This fabulous community outreach event also further galvanized our partnership with SWIGS at UCSD. Thank you to **Ariana Remmel** and **Lalena Janke** for leading this campaign!

On Wednesday, September 27, over one hundred people gathered at Lilly Biotechnology Center for a monthly seminar meeting featuring several clinical chemists and a couple of lawyers. The panel of speakers explored the topic "Studying the Effects of Marijuana Use". In yet another stellar collaborative effort, your San Diego ACS teamed up with the American Association for Clinical Chemistry (AACC). Thank you to **Ryan Smith** for helping to organize this event, and **Waters Corp.** for their sponsorship! In other news, **Karan Doppalapudi** has injected new energy into the ACS student members section at SDSU! Noteworthy among his goals is an effort to bring chemistry outreach to homeless students in downtown San Diego by partnering with Father Joe's Villages. Thank you also to **Melissa Chandler** for helping to push this initiative forward! Meanwhile, **Bryce Timm** is forging ahead on behalf of younger chemists as our new YCC chair. Be on the lookout for YCC events coming soon!

Turning to October and November, there are three events I wish to put on your radar:

October 18 – We will host our annual Distinguished Scientist Award Dinner at the UCSD Faculty Club. This year's awardee, Professor Charles Perrin, will deliver a presentation. We will also honor some of our ACS Local Section volunteers: **Graeme Freestone** has earned the Tony Bottone Award for Outstanding Service, **Valerie Kuck** the Outstanding Committee Chair Award, and **Jessica Bell** the Outstanding Chemistry Educator Award. Join us at the UCSD Faculty Club! Register at <https://sandiegoacsperrin2017.eventbrite.com>

October 28 – As part of National Chemistry Week, we will join forces with San Diego Miramar College for our annual ChemExpo. This year's theme is "Chemistry Rocks!" In order to make this a huge success for the hundreds of kids that will attend, volunteers are greatly needed and greatly appreciated. To find out how, contact **Paul Bruinsma** (paulb@sandiegoacs.org).

November 9 – We will host **Karen Trentelman** from the Getty Institute for a seminar about the chemistry of art. More details will be available soon!

As always, you are welcome to join us – in person or remotely – at our next Executive Committee Meeting on **Thursday, October 5**. Get involved and make your membership in the San Diego Local Section of the ACS a rewarding experience!

Jonathan W. Lockner, Ph.D.
2017 Chair, San Diego Section
American Chemical Society
Email: jlockner@sandiegoacs.org
Web: 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 2017 Chair, **Jonathan Lockner**, at jlockner@sandiegoacs.org. Once approved, Jonathan will see that your announcement is published on our website (www.sandiegoacs.org) and, if received by the 20th of the month before the event, in *The San Diego Chemist* newsletter. This is a free service of the ACS – San Diego Section. Take advantage of it!

THE SAN DIEGO CHEMIST, the official newsletter of the San Diego Section of the American Chemical Society, published on a monthly basis, can be viewed at <http://www.sandiegoacs.org/newsletter/>.

All contents are published at the discretion of the Section's Executive Committee. Events of interest to chemistry professionals in the community may be included in the events calendar as space permits and are subject to editing for brevity. Advertisements and announcements from the chemistry community are accepted at published rates. The deadline for items submitted is **the 23rd 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.

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.
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.
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".

2017 Executive Committee Meeting Dates

6:00 – 8:00 pm

Thursday October 5
Thursday November 2

Meetings will be held at:
9381 Judicial Drive, Suite 160
San Diego, CA 92121

TAKE A LOOK

....at the publication our ambitious high school students produce

JOURNYS
Journal of Youths in Science
<http://www.journys.org>

The Local Section of the American Chemical Society is pleased to support the students and the publication.



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 4th and 5th 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 annually for the past 28 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.

CONSIDER SPONSORSHIP OF THE ACS SAN DIEGO SECTION

The San Diego Section of the ACS is looking for organizations that are committed to advancing science and education in the greater San Diego area by providing financial support. There are several ways to get involved, and each one comes with its own benefits and privileges. **For further information please contact Ashkan Tafti at atafti100@gmail.com.**

ATTENTION ADVERTISERS

Did you know that *The San Diego Chemist* is the only monthly e-newsletter that targets chemists and chemical engineers in San Diego and Imperial Counties? As soon as our newsletter is uploaded on www.sandiegoacs.org a separate notification is sent to 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 20th of each month will be published by the end of that month.

For more information, please contact: **Renate Valois**, renate@sandiegoacs.org

ORGANIZERS NEEDED!

The San Diego Section of the American Chemical Society is looking for volunteers to organize an **ACS Western Regional Meeting**. Exact dates are flexible and yet to be determined, but it will be held between 2018 and 2020. We are currently looking to fill the positions of General Meeting Chair and Program Chair(s). If you are organized, work well with others, and want to expand your professional network to a national scale, you may be a great fit for either of these positions. The **General Meeting Chair** will be responsible for overseeing the planning of the meeting venue and logistics while the **Program Chair(s)** will fill events and speaker lists. Location, duration and desired attendance are based on the vision of the organizers. If you have an idea for a large meeting held here in San Diego, this is your way to make it happen.

For more information please contact:

Jonathan Lockner
2017 Chair
San Diego Section of the American Chemical Society
jlockner@sandiegoacs.org

IT IS ALMOST TIME....

.... TO THINK ABOUT THE ANNUAL SAN DIEGO ACS LOCAL SECTION ELECTIONS 2018

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 •
1 Councillor • 3 Alternate Councillors • 3 Members-at-Large**

Councillors, Alternate Councillors, and Members-at-Large serve for three years, and all incumbents may succeed themselves. We encourage the active participation of our members! 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: **Ashkan Tafti** at atafti@sandiegoacs.org

Candidates please send your bios to **Renate Valois** at renate@sandiegoacs.org

NOTE: VOTING WILL AGAIN BE DONE ELECTRONICALLY

The voting will be done electronically using your e-mail 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 by **Friday, November 3rd**, 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 e-mail. Please be sure your e-mail address on file with the ACS is current! To update your e-mail address with the ACS, use www.chemistry.org

CONGRATULATIONS

Valerie Kuck was awarded the Francis P. Garvan - John M. Olin Medal, a National ACS award.

To read about this award please go to <https://www.acs.org/content/acs/en/funding-and-awards/awards/national/bytopic/francis-p-garvan-john-m-olin-medal.html>

EXECUTIVE BOARD CANDIDATES FOR 2018
ACS SAN DIEGO SECTION
CANDIDATE BACKGROUNDS

CHAIR-ELECT

ASHKAN (ASH) TAFTI

Ashkan earned his B.S. and M.S. in Biochemistry/Chemistry from University of California, San Diego. He has been an ACS member since 2008 and during his undergraduate years served as the vice president and president of the student chapter at Southwestern College.

He has been working in the pharmaceutical industry for over 2 years and is currently working at Catalent San Diego where he focuses on drug formulation and delivery. Ashkan is currently serving as the Fundraising and Nomination committees chair at SDACS.

SECRETARY

WILLIAM TOLLEY

Bill earned a B.S. and M.S. in Metallurgical Engineering from the University of Utah and a Ph.D. in Inorganic Chemistry from the Brigham Young University. His research focused on the interactions of inorganic compounds with supercritical fluids. This work led to a patent describing novel processing to purify metals using vapor-phase chemistry. He worked for seven years as Production Manager, and then promoted to Director of Quality Assurance at Quantum Group Inc. in San Diego.

In 2008, Bill joined Seacoast Science, Inc., located in Carlsbad, CA, where he currently is Principal Scientist and Production Manager. He led development of the Mini-GC, which was successfully launched in August 2009. His responsibilities include sensor design and testing, and proposal development. In 2007, he chaired the subgroup to write new alarm certification protocols under UL 2035 - Single Station Gas Detectors. Bill is a member of the American Chemical Society, where he is a member of the San Diego Section executive committee and in his fourteenth year as Secretary to the Section. He is a lifetime member of Sigma Xi (The Scientific Research Society). He has authored or co-authored 26 U.S. patents and over 75 journal articles and presentations in chemical sensing, process control and materials production.

TREASURER

GRAEME FREESTONE

Graeme received his undergraduate degree in chemistry from The University of Manchester in 2001 and earned a DPhil in 2005 from The University of Oxford for his work investigating the Birch reduction in the labs of Professor Timothy Donohoe. He then moved to San Diego to undertake a three-year postdoctoral position at The Scripps Research Institute with Professor KC Nicolaou, where his work focused on the total synthesis of complex natural products.

Since leaving academia Graeme has worked as a medicinal chemist in the areas of liver and metabolic diseases and cognitive disorders at Metabasis Therapeutics, Helicon Therapeutics and Dart Neuroscience (his present position).

He is active in both the San Diego chemical community and the ACS San Diego Local Section serving as Member-at-Large (2011-2014), Chair of the Younger Chemists Committee (2014), Chair of the San Diego Section (2016) and Treasurer (2017).

COUNCILOR

VALERIE KUCK

Valerie has been active in the American Chemical Society for over forty years, thirty-one as a councilor from the North Jersey Section and nine as an ex-officio councilor. While living in New Jersey she chaired her Local Section and lead several activities, including National Chemistry Week; outreach efforts to K-12 students; support for the unemployed and college students; and establishing a Women Chemists Committee over forty years ago. Since joining the San Diego Section in 2015, she has become a member of the Executive Committee and has led efforts to increase the Section's outreach to K-12 students, successfully worked to increase the number of people nominated from the Section to become Fellows of the Society, and coordinated the Section's Project SEED efforts. She also is continuing her efforts to help the unemployed improve their resumes and interviewing skills. On the national level, Valerie has chaired six national Council Committees and one Board Committee. In 2000, Valerie retired from Lucent Technologies Bell Laboratories, Murray Hill, New Jersey where she conducted basic research on ground state triplets and did applied research on the stabilization of polyolefin coatings for copper wire and the development of high temperature coatings for optical fibers and electronic devices. For her contributions to the ACS and to chemistry, she was recently awarded the Gavan-Olin Medal. Previously, she had received the ACS Award for Volunteer Service to the Society and The ACS Award for Encouraging Women into Careers in the Chemical Sciences. She has received four awards from Bell Laboratories and was named a Distinguished Alumnus of the Purdue University Chemistry Department.

COUNCILOR**JOHN PALMER**

John received his Ph.D. in chemistry from UCSD's Chemistry & Biochemistry Department and retired from it in 2013, after 28 years of service as their Safety Director. He served the San Diego Local Section as Chair (2005) and followed that with service as one of your "Councilors" for 18 years. He currently serves on the Committee on Technician Affairs (CTA) – 2+ years but also spent 12 years serving on the Women Chemists Committee (WCC) at the national ACS governance level. He has been the CTA & WCC Liaison to the ACS Committee on Chemical Safety. He remains an active member of six technical divisions (CHAL, CHAS, CHED, ENV, SChB & TOX) and has "chaired" the Chemical Health & Safety (CHAS) Division (twice, most recently 2016). He has been a member of the ACS for nearly 40 years and an active member of the Local Section board for 28+ years where he was also the Section Secretary and an Alternate Councilor. In retirement, John is helping several of the University of California and Cal-State campuses with their safety/EHS programs. He is finishing a term as your section councilor - and again requests your support in this election in hopes of continuing to serve you at both the local and national level.

ALTERNATE COUNCILOR**JULANN MILLER**

Julann is currently serving as Alternate Councilor, San Diego Local Section. I am honored to be re-nominated for the position of Alternate Councilor.

My background-

I have participated in ChemExpo each Fall for the past eight years, am SDACS National Chemistry Week coordinator, along with Paul Bruinsma. I successfully gained an ACS National IPG grant for our Analytical Chemistry Symposium. Since the award in 2015, and with a great group of symposium committee colleagues, have organized three meetings on the topic in the past 3 years. My current employment is Executive Account Manager in San Diego, for Waters Corporation. I am happy to be in my 25th year with Waters, providing HPLC/ MS solutions.

ALTERNATE COUNCILOR**JIM SHIH**

Jim is a protein chemist at Eli Lilly & Co's Lilly Biotechnology Center - San Diego. In the past 23 years he has worked in protein chemistry and analytical chemistry in companies including Ligand Pharmaceuticals, Amgen, and Quidel Corporation. A volunteer with the San Diego Section since 2007, he currently chairs the picnic committee. Jim received both his B.A. and M.S in biology (parasite biochemistry) from University of California at Riverside.

ALTERNATE COUNCILOR**SHANNON WOODRUFF**

Shannon has been an ACS member since 2007. Shortly after joining, he served as an ACS student chapter president (2007-2010), helping to earn the chapter's first-ever Green Chemistry Student Chapter Award (2009). He has been an active member of the Heart O' Texas, DFW, and San Diego Local Section. He is currently the webmaster for the SDACS website.

Shannon received his B.S. degrees in chemistry and cell biology from the University of Mary Hardin-Baylor (2010). He went on to earn his Ph.D. in polymer chemistry from Southern Methodist University (2015), studying controlled/"living" radical polymerization and post-polymerization modifications under the advisement of Professor Nicolay Tsarevsky. During graduate school, Shannon also worked as a consultant for Resolution Biomedical in Tustin, CA. Since January 2016, he has been an R&D chemist at HP Inc., being responsible for developing new materials and agents for the Multi Jet Fusion 3D Printing platform.

Shannon is an active reviewer for the Journal of Chemical Education, has co-directed several chemistry camps, and was a semifinalist in the ACS ChemChamps science communication competition (2014). He is dedicated to enhancing the public's view of chemistry via educational outreach and science communication.

MEMBER-AT-LARGE**PAUL BRUINSMA**

Paul received his B.S. in Chemical Engineering from Cal State Polytechnic University, Pomona in 1984, M.S. from Washington State University in 1988 and Ph.D. from University of California at Davis in 1994. After his B.S. he worked at the South Coast Air Quality Management District evaluating air pollution permits. After his Ph.D. he had a postdoctoral fellowship at Pacific Northwest National Laboratory in Richland, WA. Paul now works at Hewlett-Packard Company in Rancho Bernardo developing ink formulations for inkjet printers. He has more than ten peer-review publications and eleven patents. He has served for several years as Member-At-Large and as Alternate Councilor on the SDACS board. He currently serves as chairs of the Newsletter and ChemExpo committees. His primary goal on the board is to help strengthen the chemical community in San Diego.

MEMBER-AT-LARGE**MELISSA CHANDLER**

Melissa Chandler will finish a M.S. degree this semester at SDSU in analytical chemistry with Dr. Dale Chatfield. In 2009 she earned a B.S. in Chemistry with an emphasis in Biochemistry from SDSU. During her senior year she began working at Cuyamaca College as their sole Chemistry Technician. Through her expertise in organizational management and the cohesive team there, she created a highly productive, organized and efficient team atmosphere that provided training and internships to undergraduates. She served as a senator for the Classified Senate, helped organize events and represented her co-workers in the shared governance process.

In 2016, she volunteered for the National ACS meeting and began to get involved with the local chapter by volunteering for a few events over the next year. Currently, she has been mentoring her undergraduate, Karan Doppalapudi, and a small group of undergraduates to restart the student chapter of ACS at SDSU as well as working on a few community outreach projects. She is committed to providing opportunities and mentorship to undergraduates, peers and her community. Her non-traditional science career history and experiences will be invaluable to the Executive Committee as we work together to grow ACS into the future.

MEMBER-AT-LARGE**JAMES O'BRIEN**

Jim is a 20-year member of ACS with the Inorganic division, and most recent national conference role was presider for nanotechnology session at the 2015 Spring meeting in Denver. Graduating from UC San Diego, he was a teaching assistant for 21 classes, lecturer for 8 classes and adjunct professor at University of San Diego for 24 classes. As such, he has been involved with the teaching of chemistry to 10,000+ students in the local area. Moving on to industry in 2001, he continued regular attendance, presentations and exhibiting at national meetings with Quantum Design, specializing in SQUID based magnetometers. In that job, he has mentored many international chemistry students and professors on how to acquire data for major publications. His well-known motto is "do a demo for every lecture", to effectively engage the students and achieve superb attendance. With that experience, there will be a commitment to serving the Local Section through National Chemistry Week activities. His periodic table, first released at the American Physical Society meeting in 2011, was recently updated on 11/2016 for marketing of a new magnetic separator product.

Vote

by

November 25th

It Is Not Too Late To Sign Up!!



CHEM EXPO 2017



***Co-hosted by San Diego Miramar College
10440 Black Mountain Road, San Diego
Saturday, October 28, 2017. The hours are 11 AM till 3 PM***

VOLUNTEERS NEEDED!

Shifts are available for volunteers to staff various tables (e.g., welcome, raffle, etc.), judge poster entries, for set up before the event and for tear down. For information, please contact: **Paul Bruinsma** at paulb@sandiegoacs.org

LOCAL COMPANIES & ORGANIZATIONS:

Sign up to share knowledge and encourage students in the study of science. No Charge! If you or your organization would like to volunteer to help or have questions, please contact **Paul Bruinsma** at paulb@sandiegoacs.org

ACS-Hach Programs

ACS-Hach Professional Development Grant

Funds professional development experiences for secondary chemistry teachers

Award Amount: Up to \$1,500

Application Period: October 15th - December 15th annually

ACS-Hach Land Grant Teacher Scholarship

Provides financial support to obtain a chemistry undergraduate degree and chemistry teaching credentials at one of our 72 partner institutions

Award Amount: \$10,000 for full-time study

Application Period: **Contact participating universities directly for application details**

ACS-Hach Post-Baccalaureate Teacher Scholarship

Provides financial support for chemistry graduates with limited work experience to obtain a masters degree in education or teacher certification in chemistry.

Award Amount: Up to \$6,000 for full-time study and up to \$3,000 for part-time study

Application Period: February 1st – April 1st

ACS-Hach Second Career Teacher Scholarship

Provides financial support for chemistry professionals to obtain a masters degree in education or teacher certification in chemistry.

Award Amount: Up to \$6,000 for full-time study and up to \$3,000 for part-time study

Application Period: February 1st – April 1st

About ACS-Hach Programs

The ACS-Hach Programs provide financial support for future and current high school chemistry teachers

[Learn more.](#)

Contact us: Email: hach@acs.org -- Phone: (800) 227-5558 ext. 8178

VOLUNTEER WITH KIDS & CHEMISTRY

Kids & Chemistry is a community-based program that brings together scientists and children to do hands-on science activities.

Volunteers include ACS members, ACS Student Chapters, and corporate groups. Volunteers include ACS members, ACS Student Chapters, and corporate groups.

Volunteer efforts can be implemented as a full program administered by an ACS local section or by an individual as a one-time classroom visit. The program can also be incorporated into an existing corporate outreach/education program, or serve as the focal point for a larger mentoring program.

For more details, please see: <http://www.acs.org/content/acs/en/education/outreach/kidschemistry.html>

BE A CHEMISTRY AMBASSADOR!

Volunteer to put a human face on science and help connect chemistry with everyday life! Promote chemistry to children, your community, lawmakers and others.

Volunteer Opportunities: Activities and ideas for getting involved in outreach. Explore to find activities that fit your interests and schedule! For more details, please see: <https://www.acs.org/content/acs/en/volunteer/chemambassadors.html>

It Pays to be a Volunteer! Volunteers have 27% higher odds of finding a job after being out of work than non-volunteers. The odds increase to over 50% for those without a high school diploma or who live in rural areas. Source: Corporation for National and Community Service. (June 2013). *Volunteering as a Pathway to Employment*.

**SUMMARY OF THE SAN DIEGO SECTION
EXECUTIVE COMMITTEE MEETING MINUTES
September 7, 2017**

Treasurer's Report – Income of \$181 from Eventbrite for 50-60 Year Luncheon; expenses: \$6231 for the Med Chem Symposium (somewhat more than previous years), \$2,231 for Awards Banquet deposit, \$9K for Project SEED; receivables: \$2K in sponsorships, \$500 for Newsletter ads (behind on sponsorships – projected \$26K in the budget, currently have received \$12K); transferred \$15K to checking; Vanguard Fund up \$4K from last month

Review of 2016 Annual Report – National has posted their review of our Section's Annual Report with nine comments, including 100% councilor attendance, representation at leadership training, fewer members voting in annual election, informative Website, high-quality Newsletter, "vibrant", healthy finances

ChemLuminary Awards – Section self-nominated for nine awards and received three finalist nominations, but no awards

Sept. Monthly Seminar – Topic: Effects of Marijuana, Sept 27, at Lilly; joint meeting with American Association of Clinical Chemistry, three panelists, 63 registered, room for 150

Project SEED – SDSU interested in working with a Project SEED student next year; suggestion to invite mentors and students to Awards Banquet

JOURNYS publication – Publication with ~100 contributing high school students, printing cost ~\$2400 for 300 copies per issue and anticipating 3 issues this school year; ExComm approved support for two issues; they are requesting continued financial support, and also seeking professionals to serve as experts

Motion: Budget \$1K for 2018 in 2 payments – approved unanimously

Nominations – Nine candidates for 8 positions, searching for nominees for chair-elect, member-at-large; suggestion for e-mail blast to solicit candidates

ACS Fellows – Because of paperwork for nominations, we should start the process early even though National will not accept nominations before February.

Review of August Monthly – Dr. Dwayne Carter (Organovo), light attendance (unusual number of registered not attending) but excellent presentation and attendees very interested in the topic

Future Meetings – Machine Learning Society, organizing DeepBIO Conference (deep learning conference) at Illumina, Dec. 1-3, 2017, approached SD-ACS to become a co-sponsors / co-organizer

YCC – Prepared survey to determine what membership would hope to get from YCC; considering to organize seminar discussing alternative careers for chemistry graduates

SDSU SAACS – Elections completed, first meeting 9/14; students met with Father Joe's Village leaders about sponsoring Mad Science presentation to homeless children

Motion: allocate \$235 budget for one additional Mad Science program to be presented in conjunction with youth at Father Joe's - **approved**

San Diego Festival of Science & Engineering EXPO Day – Made deposit for booth

Awards Banquet – Presentation topic - relationship between teaching and research

Next meeting: Oct. 5

PROFESSIONAL EDUCATION SHORT COURSES IN SAN DIEGO

The American Chemical Society is holding Professional Education short courses in San Diego on November 6-9. Below is the list of courses that are scheduled and the corresponding dates. To register and find more information, please visit the following webpage: <http://proed.acs.org/sandiego2017/>

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Experimental Design for Productivity and Quality in Research & Development	November 6-8
Application of Pharmacokinetics and Safety Pharmacology for Chemists in Drug Development	November 6-7
Effective Technical Writing	November 6-7
Organic Synthesis: Methods and Strategies for the 21st Century Chemist	November 6-7
Methods Development, Validation Procedures, and Regulatory Compliance Issues	November 8-9
Analysis and Interpretation of Mass Spectral Data	November 8-9
Laboratory Safety	November 8-9
Structure-Based Drug Design	November 8-9

The course location is MicroTek, 350 10th Avenue, Suite 950, San Diego, CA 92101

MOLE DAY



Celebrated annually on October 23 from 6:02 a.m. to 6:02 p.m., Mole Day commemorates Avogadro's Number (6.02×10^{23}) which is a basic measuring unit in chemistry. Mole Day was created as a way to foster interest in chemistry. Schools throughout the United States and around the world celebrate Mole Day with various activities related to chemistry and/or moles. To find out more about The National Mole Day Foundation, how to become a member see

<https://www.acs.org/content/acs/en/education/students/highschool/chemistryclubs/activities/mole-day.html>

CHEMISTRY FOR YOU AND YOUR KIDS
FLAVORINGS: Let your taste buds blossom (part 2)

Other popular flavorings are spices. Because the senses of smell and taste work together, the smell of a spice is important when it is used as a flavoring. Let's see if you can identify different spices from their smell.

You will need

Safety glasses - Garlic powder - Parsley flakes - Oregano - Celery seed -
Cinnamon - Pencil - 5 tissues - 5 pieces of string

1. Open each spice container and smell each spice carefully one by one. **Be careful not to inhale any powdered spice.**
2. Remember the name of each spice. You may need to smell the spices again to **really** remember the smells.
3. Now comes the real test! Ask your adult partner to wrap some of each spice in a tissue and to tie the top with a string. Your adult partner should keep each wrapped spice next to its container hidden from your view.
4. Your adult partner should bring out one wrapped spice at a time to let you smell it and guess what it is. Try it and see how well you do! Let your adult partner take the same test to see who is the **Super Spice Smeller!**

Excerpt: "The Best of WonderScience," pp. 167, Delmar Publishers, 1997

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2017 ACS REGIONAL MEETINGS

Midwest (MWRM)	October 18 - 20	Lawrence, KS
Rocky Mountain (RMRM)	October 25 - 28	Loveland, CO
Southwest (SWRM)	October 29 - November 1	Lubbock, TX
Southeastern (SERMACS)	November 7 - 11	Charlotte, NC

ACS Webinars™

For upcoming Webinars in October see:

<https://www.acs.org/content/acs/en/acs-webinars.html>

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

MiraCosta College

Linda Woods

lwoods@miracosta.edu

760-757-2121 Ext. 6411

Palomar College

Greg Elliott

gelliott@palomar.edu

858-531-1149

Point Loma Nazarene University

Sara Choung

SaraChoung@PointLoma.edu

619-849-2627

San Diego Mesa College

Dwayne Gergens

dgersens@sdccd.edu

619-388-2609

San Diego Miramar College

Fred Garces

fgarces@sdccd.edu

619-388-7493

San Diego State University

Mikael Bergdahl

bergdahl@sciences.sdsu.edu

619-594-5865

Southwestern College, Chula Vista

David Hecht

dhecht@swccd.edu

619-421-6700x5461

University of California, San Diego

Joe Cribari

jcribari@ucsd.edu

858-822-4055

Gourisankar Ghosh

gghosh@ucsd.edu

858-822-0469

Judy Kim

judyk@ucsd.edu

858-534-8080

University of San Diego

Tammy Dwyer

tdwyer@sandiego.edu

619-260-4030



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For information contact:

Renate Valois - renate@sandiegoacs.org

UPCOMING EVENTS

SENIORS/RETIREES/CONSULTANTS/ETC. BREAKFAST
Bristol Farms Café in the Costa Verde Shopping Center at Genesee Ave. and Nobel Drive
University City
Tuesday, October 10, 2017, at 9:30 AM NOTE DATE CHANGE!

CHARLES PERRIN, PH.D.
2017 DISTINGUISHED SCIENTIST AWARD BANQUET
University of California, San Diego, La Jolla, CA
The Ida and Cecil Green Faculty Club – UCSD, 9500 Gilman Drive, La Jolla
Wednesday, October 18, 2017

CHEM EXPO
Chemistry Rocks!
San Diego Miramar College, 10440 Black Mountain Road, San Diego
10440 Black Mountain Road, San Diego
Saturday, October 28, 2017

HOLIDAY PARTY
Sufi Mediterranean Cuisine
5915 Balboa Avenue, San Diego, CA 92111
Thursday, December 7, 2017

THE BIOCOM INSTITUTE FESTIVAL OF SCIENCE AND ENGINEERING
EXPO Day at PETCO Park
Saturday, March 3, 2018
<https://www.lovestemsd.org/>

THE 64th ANNUAL GREATER SAN DIEGO SCIENCE AND ENGINEERING FAIR
Balboa Park Activity Center (2145 Park Blvd.)
For information please see <http://www.gsdsef.org/>
Wednesday, March 14, 2018 - Judging

255th ACS NATIONAL MEETING & EXPOSITION
New Orleans, Louisiana
March 18-22, 2018

EARTH DAY - EARTHFAIR 2018
Balboa Park, San Diego, CA
<http://www.earthdayweb.org/>
Sunday, April 22, 2018

256th ACS NATIONAL MEETING & EXPOSITION
Boston, Massachusetts
August 19-23, 2018

THE SAN DIEGO SECTION OF THE AMERICAN CHEMICAL SOCIETY WELCOMES ITS NEW MEMBERS

Michael Abramowitz
Jessalyn Baljon
Crystal Chang
Kevin Clark
Alastair Herron
Cynthia Jeffries
Luke Lairson
Natasha Morgan-Witts
Herbert Moss
Carl Nelson

Katrina Ngo
Jake Novacek
Dennis Parazak
Naser Pourahmady
Raphael Ribeiro
Adam Scharf
Richard Schneeberger
John Tarjan
Jonathan Wojciak
Leonard Yoon

**2017 EXECUTIVE COMMITTEE & COMMITTEE MEMBERS
SAN DIEGO SECTION OF THE AMERICAN CHEMICAL SOCIETY**

EXECUTIVE COMMITTEE

<i>Chair</i>	Jonathan Lockner, Point Loma Nazarene University, jlockner@sandiegoacs.org	(2017)	858-688-8143
<i>Chair-Elect</i>	Jennifer Barber-Singh, The Scripps Research Institute, jbsingh@sandiegoacs.org	(2017)	858-869-7084
<i>Past-Chair</i>	Graeme Freestone, Dart NeuroScience LLC, gfreestone@sandiegoacs.org	(2017)	858-246-8137
<i>Secretary</i>	William Tolley, Seacoast Science, Inc., w_tolley@juno.com	(2017)	858-780-0978
<i>Treasurer</i>	Graeme Freestone, Dart NeuroScience LLC, gfreestone@sandiegoacs.org	(2017)	858-246-8137

Councilors

Thomas R. Beattie	(2018)	858-587-1210
Hui Cai, WuXi AppTec	(2019)	858-361-8838
Desiree Grubisha, Halozyme Therapeutics	(2018)	858-254-5497
John Palmer	(2017)	858-265-9198
Ken Poggenburg	(2019)	760-635-2573
David Wallace, Wallace Scientific Consulting	(2018)	858-638-1866

Alternate Councilors

Paul Bruinsma, HP Inc.	(2017)	858-655-8322
Surya K. De, Plex Pharmaceuticals, Inc.	(2019)	858-337-4961
Julann Miller, Waters Corporation	(2017)	800-252-4752 x6802
Ben Pratt, Allergan	(2019)	858-945-7893
John Schindler	(2019)	858-353-3943
Jim Shih, Eli Lilly & Co	(2017)	626-826-3561

Members-at-Large

James Caldwell	(2019)	815-262-9697
Ryan Clark, Inception Sciences, Inc.	(2017)	858-774-2095
Bill Szabo	(2019)	858-550-0306
Joann Um, Southwestern College	(2019)	510-823-8637

STANDING & SPECIAL COMMITTEES

Awards Nomination Committee

Valerie Kuck (Co-Chair)	973-744-5510
John Schindler (Co-Chair)	858-353-3943

ChemExpo

Paul Bruinsma (Chair), HP Inc.	858-655-8322
Julann Miller, Waters Corporation	800-252-4752 x6802

Communications Committee

Paul Bruinsma, (Chair), HP Inc.	858-655-8322
Surya K. De, Plex Pharmaceuticals, Inc.	858-337-4961
Desiree Grubisha, Halozyme Therapeutics	858-254-5497
Ken Poggenburg	760-635-2573
David Wallace, Wallace Scientific Consulting	858-638-1866
Renate Valois (Newsletter Editor)	619-692-0638

Distinguished Scientist Awards Nomination Committee

Thomas R. Beattie (Chair)	858-587-1210
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Education Committee

Joann Um (Co-Chair), Southwestern College	510-823-8637
Haim Weizman (Co-Chair), UCSD	858-534-2963
Joan Schellinger, USD	619-260-7960

EarthFair

Julann Miller, Waters Corporation	800-252-4752 x6802
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Finance Committee

Bill Szabo (Chair)	858-550-0306
Tom Beattie	858-587-1210
John Schindler	858-353-3943

Fundraising Committee

Ashkan Tafti, (Chair), Catalent	619-395-6412
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Government Affairs Committee

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

Law Committee

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

Thomas R. Beattie	858-587-1210
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MedChem Symposium

Ben Pratt (Co-Chair), Allergan	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

Jennifer Barber-Singh, The Scripps Research Institute	858-869-7084
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Nominations Committee

Ashkan Tafti, (Chair), Catalent	619-395-6412
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Picnic Committee

Jim Shih, Eli Lilly & Co.	626-826-3561
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Professional Development Committee

Valerie Kuck	973-744-5510
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Public Relations Committee

John Schindler	858-353-3943
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Senior Chemists Committee

Ken Poggenburg (Chair)	760-635-2573
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Seniors Breakfasts

Thomas R. Beattie	858-587-1210
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Women Chemists Committee

Valerie Kuck	973-744-5510
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Younger Chemists Committee

Bryce Timm	512-545-9287
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Voice Mail – San Diego Section

619-687-5570