



# The San Diego Chemist

American Chemical Society  
Volume 29, Number 9

San Diego Section  
September 2017

## *AACC-ACS Joint Meeting Studying the Effects of Marijuana Use*

### **Thomas Marcotte, Professor In Residence, University of California, San Diego**

Dr. Marcotte is an Associate Professor of Psychiatry and Center Manager of both the HIV Neurobehavioral Research Center and Center for Medicinal Cannabis Research. He recently served as the Director of Mental Health for the UCSD Owen HIV Clinic, which serves 3,000 HIV patients, and as a Co-Director of CHARTER, a national multi-site study of the CNS impact of treatments for HIV. Dr. Marcotte received his B.A. from UCSD, M.A. from the University of Connecticut, Ph.D. in clinical psychology from CSPP-Los Angeles, and completed postdoctoral training in neuropsychology at UCSD.

Dr. Marcotte will provide an update on recent findings regarding what is known about the relationship between automobile crashes and cannabis use in states that have legalized recreational use. He will also review challenges in determining cannabis related impairments in the field. Lastly, he will discuss the aims and methods being undertaken in a recently funded project examining the effects of acute cannabis use on driving performance, as well as its effects on current, and potentially new, field assessments.



**Dr. Philip Sobolesky** is a Clinical Chemistry Fellow in the Pathology Department at the UC San Diego School of Medicine in the laboratory of Dr. Robert Fitzgerald. Dr. Sobolesky conducted postdoctoral studies and earned his Ph.D. in Biological and Biomedical Sciences at the Medical University of South Carolina.

Dr. Sobolesky will detail the development of a mass spectrometry assay to detect marijuana usage in breath, blood and oral fluid by LC-MS/MS. He will review the method development and discuss significant findings of the project.



**Joe Macchi** is a corporate attorney at Duane Morris LLP, and represents emerging growth clients in a variety of industries including biotechnology, bioprocessing, and diagnostics. Mr. Macchi earned his J.D. from the University of San Diego School of Law and his B.S. in Business from the University of Southern California.

Mr. Macchi will discuss recent California laws relating to cannabis sale and distribution.



**Ryan Smith** is a patent attorney at Duane Morris LLP and represents clients in the biotechnology, pharmaceutical, and diagnostic industries. Dr. Smith earned his J.D. at the University of San Diego School of Law and his Ph.D. in Chemistry from the University of California at Berkeley. Dr. Smith is also the Chemistry and Law Chair of the San Diego Section of the American Chemical Society.

Dr. Smith will be the moderator of this event.



**DATE:** Wednesday, September 27, 2017

**TIME:** 6:00 PM Social Hour, Light Meal  
7:00 PM Lecture

**PLACE:** Lilly Biotechnology Center, San Diego, 10290 Campus Point Drive, San Diego, CA 92121

**RSVP:** By Monday, September 25, 2017

<https://cannabis-research.eventbrite.com>

### CHAIR NOTES

Dear ACS Members,

A solar eclipse, Confederate memorials, and the record-breaking transfer of Neymar from FC Barcelona to Paris Saint-Germain were among recent headlines in the news. *[My apologies to anyone reading who does not share my passion for soccer!]* Though our activities may not make national or global news, our efforts certainly matter to many people in San Diego. Your SDACS helps spark scientific curiosity in children, informs the public (and public officials), and celebrates chemistry as **the** central science. *[I might be biased!]* Here is a sampling of what happened recently:

On Wednesday, August 16, over fifty people gathered at TSRI for a monthly seminar meeting featuring **Dr. Dwayne E. Carter** from Organovo. His presentation entitled "Modeling Human Biology, Drug Response, and Progressive Liver Disease Using 3D Bioprinted Human Liver Tissue" was well-received by all. His work certainly epitomizes creativity and technological innovation that enables us to better study disease and potential therapeutics. Thank you to **Jennifer Barber-Singh** for helping organize this event!

During the week of August 20 through August 24, thousands gathered in Washington, D.C., for the ACS National Meeting & Exposition. Themed "Chemistry's Impact on the Global Economy", numerous San Diego ACS members attended, presented, and celebrated. For instance, **Phil Baran** (a previous Distinguished Scientist awardee) delivered a much-anticipated keynote presentation, our newest ACS Fellows (**Marjorie Caserio, Tammy Dwyer, and Bill Szabo**) were officially recognized at a special event, and our Councilors (**Tom Beattie, Hui Cai, Desiree Grubisha, John Palmer, Ken Poggenburg, and David Wallace**) participated in various national and regional council meetings.

Another event that took place at the ACS National Meeting this week was the ChemLuminary Awards ceremony. Our SDACS was nominated in three categories: **Outstanding Local Section Industry Event; Best Activity or Program Stimulating Member Involvement; Best New Public Relations Program of a Local Section**. At the time of writing this month's Chair Notes, I do not know if we won any awards, but I'm sure you'll agree that it's praiseworthy for us to earn this many nominations!

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

**September 27** – In a joint effort between SDACS and the American Association for Clinical Chemistry (AACC), we will host a panel of speakers on the topic "Studying the Effects of Marijuana Use" at Lilly Biotechnology Center. Register at <https://cannabis-research.eventbrite.com>

**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. Registration will open soon. Meanwhile, for details, contact **Tom Beattie** ([beattietr@aol.com](mailto:beattietr@aol.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!" For details, contact **Paul Bruinsma** ([paulb@sandiegoacs.org](mailto:paulb@sandiegoacs.org)).

As always, you are welcome to join us – in person or remotely – at our next Executive Committee Meeting on **Thursday, September 7**. 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](mailto:jlockner@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 2017 Chair, **Jonathan Lockner**, at [jlockner@sandiegoacs.org](mailto:jlockner@sandiegoacs.org). Once approved, Jonathan 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!

**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 23<sup>rd</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".

### 2017 Executive Committee Meeting Dates

6:00 – 8:00 pm

<b>Thursday</b>	<b>September</b>	<b>7</b>
<b>Thursday</b>	<b>October</b>	<b>5</b>
<b>Thursday</b>	<b>November</b>	<b>2</b>

**Meetings will be held at:**

**9381 Judicial Drive, Suite 160  
San Diego, CA 92121**



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 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](mailto: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](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.

For more information, please contact: **Renate Valois**, [renate@sandiegoacs.org](mailto: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](mailto:jlockner@sandiegoacs.org)

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

#### **----- 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 Councilor • 3 Alternate 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! 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 [atafti100@gmail.com](mailto:atafti100@gmail.com)**

Candidates please send your bios to **Renate Valois** at [renate@sandiegoacs.org](mailto: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](mailto:trischma@csusm.edu) by **Friday, November 3<sup>rd</sup>**, 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](http://www.chemistry.org)

## ***Modeling Human Biology, Drug Response, and Progressive Liver Disease Using 3D Bioprinted Human Liver Tissue***

**Dr. Dwayne E. Carter**  
**Organovo Holdings Inc., San Diego**  
**August 16, 2017**

On Wednesday, August 16th, we had the pleasure of hosting **Dr. Dwayne Carter** of Organovo at The Scripps Research Institute. Organovo is a biotech company located in San Diego and their focus is on building living human tissue that functions like native tissue. **Dr. Carter** shared with us the exciting research being done in the field of bioprinted liver tissue and drug development.

The focus of his talk centered on his research in nonalcoholic fatty liver disease (NAFLD) including comparisons between in vitro bioprinted tissue and patient tissue, testing of drugs, and evaluating biomarkers in their 3D-printed liver tissues. In addition, he presented preliminary data demonstrating the key features of NASH (nonalcoholic steatohepatitis) such as steatosis, fibrosis and inflammation via nutrient overload followed by inflammatory stimulation using prototypical inducers.

The audience was captivated by the information shared and asked many questions both during and after the presentation. The work being done at Organovo shows great promise in bringing drugs to the clinic better results in drug translation than current animal models can provide.



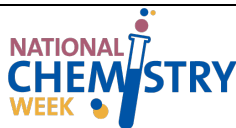
Dwayne Carter



Dwayne Carter, Jennifer Barber-Singh



Text: Jennifer Barber-Singh  
Photo credits: Jim Shih



**MARK YOUR CALENDAR!!!**

**CHEM EXPO**, part of National Chemistry Week celebration, is a great opportunity to instill greater public awareness in the importance of chemistry in our everyday lives and the roles that chemists play in our community. Our event will take place on

**Saturday, October 28, 2017  
11 AM to 3 PM**

**Theme: Chemistry Rocks! Exploring the Chemistry of Rocks and Minerals**

**San Diego Miramar College, 10440 Black Mountain Rd, San Diego  
10440 Black Mountain Rd, San Diego**

We need the participation of local organizations! Please sign up for an exhibit at our event.

- Exhibits by Local Companies & Organizations
- Chemistry Demonstrations
- Hands-on Activities and Much More

**To volunteer and for free space to show education exhibit please contact:**

**Paul Bruinsma at [paulb@sandiegoacs.org](mailto:paulb@sandiegoacs.org)**

Sponsored by the San Diego Section of the American Chemical Society - <http://www.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](mailto: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  
August 1, 2017**

Treasurer's Report – Recent expenses: \$7,700 for Mad Science (invoices discussed last month), Picnic, 50-60 Year Member Luncheon, and ChemExpo permit; Income: \$150 from 50-60 Year Luncheon admission; Vanguard fund doing well

Website – ~3K hits in 30 days but not certain as to how many unique visitors and how many views of the Newsletter

ExComm Meeting Schedule – Will meet on Thursdays for the next 3 meetings

Nominations Committee – Candidates needed for chair-elect, 1 councilor, 3 alternate councilors, up to 3 members at large; Ash volunteered as Nominations Chair

ACS Fellows – Nomination deadline is April 1, but the paperwork is extensive so trying to nominate early

MedChem Symposium – 20<sup>th</sup> Annual Symposium was held on July 14 and went well; different venue with 290 seats, many standing in the back but empty seats remained in front; an outside food vendor was allowed at this venue, more attendees stayed throughout the symposium (fewer drifting away as occurs at Price Center) but no room for growth; good representation of students and industrial scientists; several extra charges at this venue, such as for trash pickup, table delivery and removal so cost was more than previous years; six sponsors covering much of the cost

50-/60-/70-Year Member Luncheon – Held July 18 at Tom Ham's, 46 attendees; weekday event can be more flexible with ending time

Chemistry and the Law – Planning for seminar on marijuana laws as joint meeting with local American Association for Clinical Chemistry; planned speaker - Robert Fitzgerald, date TBD

Takeda "Bring Your Child to Work" Day – Takeda requesting representative from the Section for science demo on Aug 4

August Monthly Seminar - Dwayne Carter, Organovo, to present 3D printing of biological samples, Aug. 16; in TSRI Committee Lecture Hall (not Keck Auditorium)

ACS National Meeting – All councilors have committed to attend Council Meeting; Tom has poster for ChemLuminary Award dinner

Science Festival Expo Day – Ran out of supplies at this year's event; Southwestern College organizing volunteers for 2018 event; plan to repeat polyurethane monster activity

Genius Project at Sage Creek High School – Targeting 5<sup>th</sup> – 8<sup>th</sup> Grade girls to encourage them to study STEM, Society for Women in Graduate Studies (SWIGS) at UCSD putting together demo on UCSD research

Distinguished Scientist Award – Awardee Charles Perrin, scheduled for Oct. 18, UCSD Faculty Club, quote for \$4900 (\$82/person); will keep price to attendees the same

Fundraising – Ash Tafti has volunteered to act as chair, working with Jonathan and Bill Szabo to draft letter

YCC – Proposing tutoring program for children associated with Father Joe's Village, in process of identifying prospective student tutors from SDSU; suggestion to use city libraries for tutoring locations for safety of participants; suggestion to start with small pilot - ~4 mentors and 4 students; SDSU organizing meeting to revitalize campus group, talked to Dean of Students to update Website

Next meeting: Sept. 7

**American Chemical Society  
254<sup>th</sup> ACS National Meeting  
Washington, District of Columbia  
August 20-24, 2017**

**Councilor Talking Points:  
Summary of Governance Issues and Actions**

Full reports will be posted on the [ACS Website](#) as they become available.

Summary reports are provided to help Councilors report to their Local Sections and Divisions on key actions of the [ACS Council Meeting](#) held August 23, 2017, and the Board of Directors meetings held August 18-19, 2017, at the [2017 ACS fall national meeting](#) in Washington, DC.

Among those in attendance:



Councilor Ken Poggenburg, Councilor Desiree Grubisha,  
Director Barbara Sawrey, Councilor John Palmer

## CHEMISTRY FOR YOU AND YOUR KIDS

### FLAVORINGS: Let your taste buds blossom (part 1)

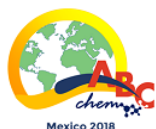
One group of food additives we can't leave out in the flavorings group. Flavorings that most people like to taste are the sweeteners. People who prepare food need to know just how sweet certain sweeteners are. Unlike most scientific testing, food scientist can test a sweetener's sweetness by tasting it. Try the following activity and see how sweet it is!

#### You will need

Safety glasses - Sugar - Brown sugar - Honey - Fructose (in grocery near artificial sweeteners) - Measuring spoons - Water - Masking tape - Ink pen - 4 plastic or paper cups - cotton swabs

1. Mix 1 tablespoon of sugar in 1/4 cup of warm water until all the sugar dissolves. This is your standard for sweetness. Your job is to find out if brown sugar, honey, or fructose are less sweet, just as sweet, or sweeter than sugar.
2. With your masking tape and pen, label 4 cups "sugar," "brown sugar," "honey," and "fructose."
3. Add 1/4 cup of warm water to each cup and then add 1 tablespoon of brown sugar, honey, and fructose to its labeled cup. Stir each solution with a separate spoon until it is dissolved.
4. Take a little sip of water to clear your mouth for your first taste test. Dip one end of a clean cotton swab into your standard sugar solution and touch the swab to your tongue.
5. Throw the swab away. Think about how sweet the sugar tasted. Take another sip of water. Dip another swab into the brown sugar solution and touch the tip to your tongue. Does the brown sugar taste sweeter, less sweet, or just as sweet as the sugar standard? Write down what you think. Have your adult partner take the same test.
6. Take another sip of water and taste your standard again. Take another sip of water and taste your honey solution. Record how its sweetness compares to sugar. Does your adult partner agree? Try this taste test with your last sweetener to see which of your sweeteners is the sweetest of them all!

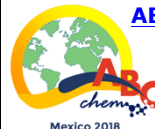
Excerpt: "The Best of WonderScience," pp. 167, Delmar Publishers, 1997



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Start earning 1% cash back on purchases, 2% at grocery stores and wholesale clubs, and 3% on gas for the first \$2,500 in combined quarterly purchases with an

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#### ABCChem – Plenary Speakers Announced!

ACS is partnering with societies in North and South America, Europe, and Africa for the Atlantic Basin Conference on Chemistry (ABCChem) to be held January 23–26, 2018, in sunny Cancún, Mexico. A dynamic lineup of [plenary speakers](#) from across the region has been confirmed and will cover a range of topics including Chemistry in Biology, Green Chemistry, Materials & Nano Chemistry, and Physical & Analytical Chemistry.

#### Call for Papers – Submit Yours Today

The ABCChem Technical Programming Committee invites chemistry professionals across the regions to give oral and poster presentations on the topics listed above. The deadline to [submit abstracts](#) is Monday, September 18, 2017.

Submit your papers and [register now!](#) To ensure international collaboration, registration is limited by region. Make sure to register early to secure your spot!



#### Save Up to 25% When You Rent a Vehicle With Budget!

Think of [Budget Rent A Car](#) for your vehicle transportation needs and enjoy special ACS member discounts of up to 25% off base rates. Go to the [ACS Budget Travelers](#) page to see all the great rental options currently being offered, including the complimentary Budget FastBreak® service. Whether you need a vehicle for vacation or business, Budget has a rental to get you there, the way you want to go!



#### ACS PUBLICATIONS LAUNCHES MOBILE-OPTIMIZED WEB PLATFORM

ACS Publications has introduced **ACS2Go**, [pubs.acs.org/acs2go](http://pubs.acs.org/acs2go), a new, mobile-optimized website that enriches the reading and browsing experience for readers of ACS content.

**ACS2Go** can be accessed at [pubs.acs.org](http://pubs.acs.org) on a tablet or smartphone. Please see for more information: [pubs.acs.org/acs2go](http://pubs.acs.org/acs2go).



**inChemistry** magazine, the information hub for student members, is now online! Visit [inchemistry.acs.org](http://inchemistry.acs.org) for articles,

videos, and infographics on professional development, grad school, careers, ACS student chapter activities, and much more.



#### 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.

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

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## LIKE FINE WINE, AGE HAS ITS BENEFITS

If you are 70½ or older, have an IRA, and want to make a lasting difference for science, you are in luck. You qualify to take advantage of a charitable tax benefit while supporting the future of chemistry. Federal law allows you to make a gift from your IRA directly to a qualified organization such as ACS without having to pay income taxes on the money. Benefits to you include knowing your gift is being used today to aid current students and teachers of chemistry; lowering your tax obligation (the transfer generates neither taxable income nor a tax deduction, so you benefit even if you do not itemize your deductions); and satisfying all or part of your IRA's required minimum distribution. Make a donation to one of ACS's transformative programs today. Contact the ACS Development Office for more information, [202-872-6210](tel:202-872-6210) or [donate@acs.org](mailto:donate@acs.org).

## SAVE ON SUPPLIES FOR HOME, SCHOOL, OR WORK WITH OFFICE DEPOT



U.S.-based ACS members can save 10% off the everyday web price on more than 30,000 office supplies available through the ACS Office Depot Partner Program. From pens to printing, for home, school or work, you'll find everything you need at Office Depot to keep yourself well supplied and running efficiently. Register at [www.1800member.com/od-acsc](http://www.1800member.com/od-acsc) or call 1-800-636-2377. Once registered, you can shop in store or online. [Sign up today](#) and start saving!

## 2017 ACS REGIONAL MEETINGS

<a href="#">Midwest (MWRM)</a>	October 18 - 20	Lawrence, KS
<a href="#">Rocky Mountain (RMRM)</a>	October 25 - 28	Loveland, CO
<a href="#">Southwest (SWRM)</a>	October 29 - November 1	Lubbock, TX
<a href="#">Southeastern (SERMACS)</a>	November 7 - 11	Charlotte, NC

## ACS Webinars™

For upcoming Webinars in September see:

**[Chemistry in Numbers: How to Master the Statistical Analysis of Laboratory Data](#)**

September 7, 2017 @ 2-3pm ET

**[How to Create Sustainable Product Design that Satisfies Production Demand and Eco-Awareness](#)**

September 14, 2017 @ 2-3pm ET

**[The Fantastic Phenols: Discover the Compounds That Give Wine its Allure](#)**

September 21, 2017 @ 2-3pm ET

**[Spinal Muscular Atrophy: Novel Approaches for Treatment](#)**

Thursday, September 28, 2017 @ 2-3pm ET

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

Association of Laboratory Managers  
Annual Conference & Pre-Conference Workshops  
October 10-13, 2017  
Kimpton Palomar Hotel • San Diego CA

Focusing on What Matters



People  
Processes  
& Performance



**ALMA**  
A Community of Leaders  
LabManagers.org

## 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

### MiraCosta College

Linda Woods  
[lwoods@miracosta.edu](mailto:lwoods@miracosta.edu)  
760-757-2121 Ext. 6411

### Palomar College

Greg Elliot  
[gelliott@palomar.edu](mailto:gelliott@palomar.edu)  
858-531-1149

### Point Loma Nazarene University

Sara Choung  
[SaraChoung@PointLoma.edu](mailto:SaraChoung@PointLoma.edu)  
619-849-2627

### San Diego Mesa College

Dwayne Gergens  
[dgersens@sdccd.edu](mailto:dgersens@sdccd.edu)  
619-388-2609

### San Diego Miramar College

Fred Garces  
[fgarces@sdccd.edu](mailto:fgarces@sdccd.edu)  
619-388-7493

### San Diego State University

Mikael Bergdahl  
[bergdahl@sciences.sdsu.edu](mailto:bergdahl@sciences.sdsu.edu)  
619-594-5865

### Southwestern College, Chula Vista

David Hecht  
[dhecht@swccd.edu](mailto:dhecht@swccd.edu)  
619-421-6700x5461

### University of California, San Diego

Joe Cribari  
[jcribari@ucsd.edu](mailto:jcribari@ucsd.edu)  
858-822-4055  
Gourisankar Ghosh  
[gghosh@ucsd.edu](mailto:gghosh@ucsd.edu)  
858-822-0469  
Judy Kim  
[judyk@ucsd.edu](mailto:judyk@ucsd.edu)  
858-534-8080

### University of San Diego

Tammy Dwyer  
[tdwyer@sandiego.edu](mailto:tdwyer@sandiego.edu)  
619-260-4030



## YOUR AD HERE!

Place 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**

**AACC-ACS JOINT MEETING**  
**STUDYING THE EFFECTS OF MARIJUANA USE**  
**THOMAS MARCOTTE, PROFESSOR IN RESIDENCE, UNIVERSITY OF CALIFORNIA, SAN DIEGO**  
**DR. PHILIP SOBOLESKY, PATHOLOGY DEPARTMENT, UCSD SCHOOL OF MEDICINE**  
**JOE MACCHI, CORPORATE ATTORNEY AT DUANE MORRIS LLP,**  
**Lilly Biotechnology Center, San Diego, 10290 Campus Point Drive, San Diego, CA 92121**  
**Wednesday, September 27, 2017**

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**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**

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**SENIORS/RETIREES/CONSULTANTS/ETC. BREAKFAST**  
**Bristol Farms Café in the Costa Verde Shopping Center at Genesee Ave. and Nobel Drive**  
**University City**  
**Thursday, October 5, 2017, at 9:30 AM**

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

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

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

Gloria Cajipe  
Xinlei Chen  
Kristie Chiscano  
Maribel Clerk  
Anushka Galasiti Kankanamalage  
Benjamin Jagger  
Jesse Jokerst  
Jeremy Klosterman  
Michael Lietzow  
Jin Low  
Brock Luty  
James O'Brien

Damith Perera  
Christine Rahal  
Adrian Ruiz  
Ronald Salovey  
Noah Setterholm  
Mackenzie Simmonds  
Courtney Smith  
Filip Sulc  
Xiang Sun  
Thuy Tran  
Thearith Ung  
Erich Walter

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

**EXECUTIVE COMMITTEE**

<i>Chair</i>	Jonathan Lockner, San Diego Miramar College, <a href="mailto:jlockner@sandiegoacs.org">jlockner@sandiegoacs.org</a>	(2017)	858-688-8143
<i>Chair-Elect</i>	Jennifer Barber-Singh, The Scripps Research Institute, <a href="mailto:jbsingh@sandiegoacs.org">jbsingh@sandiegoacs.org</a>	(2017)	858-869-7084
<i>Past-Chair</i>	Graeme Freestone, Dart NeuroScience LLC, <a href="mailto:gfreestone@sandiegoacs.org">gfreestone@sandiegoacs.org</a>	(2017)	858-246-8137
<i>Secretary</i>	William Tolley, Seacoast Science, Inc., <a href="mailto:w_tolley@juno.com">w_tolley@juno.com</a>	(2017)	858-780-0978
<i>Treasurer</i>	Graeme Freestone, Dart NeuroScience LLC, <a href="mailto:gfreestone@sandiegoacs.org">gfreestone@sandiegoacs.org</a>	(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