



The San Diego Chemist

American Chemical Society
Volume 28, Number 9

San Diego Section
September 2016

**THE SOUTHERN CALIFORNIA PHARMACEUTICAL DISCUSSION GROUP
(SCPDG) OF AAPS
ANNOUNCES A JOINT MEETING WITH THE ACS - SAN DIEGO SECTION:**

***Using modeling from highly accelerated stability testing (ASAP)
to determine product shelf life***

***Kenneth G. Waterman, Ph.D.
President and Founder, FreeThink Technologies***

DATE: Thursday, September 8, 2016
TIME: 6 pm–7 pm
7 pm–8:30 pm
PLACE: The Rotunda - 12770 El Camino Real
San Diego, CA 92130 (adjacent to Neurocrine Biosciences)
Link to Google Maps:
<https://goo.gl/maps/uM8r6e68vzJ2>
REGISTRATION: **Please register by Monday, September 5, 2016**
<http://scpdgsept2016.eventbrite.com>

Attendance is by pre-registration only – no walk-ins please.

For more information, please see page 3

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Second Annual ACS-West Coast Analytical Chemistry Symposium

DATE: Tuesday, September 20, 2016
TIME: 9:00 am – 4:00 pm
PLACE: Dart NeuroScience, 12278 Scripps Summit Drive, San Diego, CA 92131
Registration: **Please register by Friday, September 16, 2016**
www.acs-wcacs2016.eventbrite.com

For more information, please see page 4

CHAIR NOTES

Dear Local Section Members,

Summer is slowly coming to an end and most of us are beginning to settle back into that familiar routine of school and work. The approach of fall also means that here at the San Diego Section we are ramping up our activities again to offer a packed agenda of events before the year's end.

Upcoming events to look forward to include:

- Joint meeting of the **Southern California Pharmaceutical Discussion Group (SCPDG) of AAPS/San Diego Section of the ACS** will take place on Thursday, September 8th, with Kenneth G. Waterman, Ph.D. (FreeThink Technologies) giving a presentation on 'Determining Product Shelf Life'. Please register at <http://scpdgsept2016.eventbrite.com>
- The **Second Annual ACS West Coast Analytical Symposium** will take place on Tuesday, September 20th, at Dart NeuroScience. Please head to <http://www.acs-wcacs2016.eventbrite.com> to register.
- **2016 Distinguished Scientist Award Banquet** will be held on Thursday, October 13th, at UCSD. Further details to be released shortly.
- **ChemExpo 2016** will occur at Miramar College on Saturday, October 22nd.
- Our annual **Holiday Party** will be held at Sufi Mediterranean Cuisine Restaurant in Clairemont on Thursday, December 1st.
- Finally, the annual **San Diego Section elections** will be held in November. I encourage everyone to take an active role and participate in the voting process.

For more information on all of this please see the current edition of the newsletter and check online at <http://www.sandiegoacs.org>.

Finally I would like to take another opportunity to say thank you to all the organizers and volunteers who helped make these events happen. If you would like to become more involved in the ACS - San Diego Section or have an idea for an event, please contact me or join us at an Executive Committee Meeting. Even more reason to join is the fact that we were just notified that our Section received the ChemLuminary Award for the Outstanding or Creative Local Section Younger Chemists Committee Event at the 252nd ACS Fall National Meeting & Exposition in Philadelphia, Pennsylvania!

The next Executive Committee Meeting will be held on Tuesday, September 6th. We welcome anyone and everyone who would like to attend.

Cheers,

Graeme Freestone

2016 Chair

American Chemical Society - San Diego Section

E-mail: gfreestone@sandiegoacs.org

Web: www.sandiegoacs.org

FREE EVENT ANNOUNCEMENTS FOR 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 2016 Chair, Graeme Freestone, at gfreestone@sandiegoacs.org. Once approved, Graeme will see that your announcement is published on our website (www.sandiegoacs.org) and, if received by the 23rd 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 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 23rd of each month will be published by the end of that month.

For more information, please contact:

Renate Valois, 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 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.

Make checks payable to:

American Chemical Society and mail to:

Bill Szabo, Treasurer
3950 Mahaila Avenue, B-36
San Diego, CA 92122

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".

Executive Committee Meeting Dates 2016

6:00 – 8:00 pm

Tuesday	September	6
Thursday	October	6
Tuesday	November	1

Meetings will be held at:

9381 Judicial Drive, Suite 160
San Diego, CA 92121



The Southern California Pharmaceutical Discussion Group (SCPDG) of AAPS announces a joint meeting with the San Diego Section of the ACS:

Using modeling from highly accelerated stability testing (ASAP) to determine product shelf life

Presented by

***Kenneth G. Waterman, Ph.D.
President and Founder, FreeThink Technologies***

When: Thursday, September. 8, 2016

Where: The Rotunda - 12770 El Camino Real, San Diego, CA 92130 (Adjacent to Neurocrine).
Link to Google Maps:
<https://goo.gl/maps/uM8r6e68vzJ2>

Agenda: 6:00 PM Check-In and Networking
6:30-7:15 PM Dinner
7:15-8:30 PM Presentation and Discussion

Registration: Please register by Sept. 5, 2016, using link below:
<http://scpdgsept2016.eventbrite.com>

Attendance is by pre-registration only – no walk-ins please. Registration fee includes dinner, parking and presentation.
Working Professional (includes consultants) - \$40
Working Professional/AAPS & ACS member-\$35
Student (full-time)/ Retired/ Unemployed (no consultants) - \$15

Abstract: Methods of rapidly and accurately assessing the chemical stability of pharmaceutical dosage forms are reviewed with respect to the major degradation mechanisms generally observed in pharmaceutical development. Methods are discussed, with the appropriate caveats, for accelerated aging of liquid and solid dosage forms, including small- and large-molecule active pharmaceutical ingredients. In particular, this review covers general thermal methods, as well as accelerated aging methods appropriate to oxidation, hydrolysis, reaction with reactive excipient impurities, photolysis and protein denaturation.

Biography: Ken Waterman received his B.S. degree with honors in chemistry from UCLA, his Ph.D. in physical-organic chemistry from UC Berkeley and conducted post-doctoral studies in physical and photochemistry as an NIH research fellow at Columbia University. Dr. Waterman worked for 12-years at Polaroid (as a distinguished scientist) developing imaging products, then 13 years at Pfizer (as a Research Fellow) working on drug stability, drug delivery, biopharmaceutics and prodrugs. He is the author of over 70 publications and was made an AAPS Fellow in 2011. In 2011, he started FreeThink Technologies which both produces and licenses the accelerated stability software package ASAPprime® and is a CRO that has Connecticut-based laboratories specializing in stability for pharmaceuticals, generics, OTCs, nutraceuticals and consumer products.

Please visit us at http://www.aaps.org/Southern_California_Pharmaceutical/



Second Annual ACS-West Coast Analytical Chemistry Symposium



The **ACS-West Coast Analytical Chemistry Symposium** is a discussion group formed by San Diego analytical chemists in partnership with the San Diego American Chemical Society (ACS) to provide a scientific forum for open discussion of current and future trends in analytical chemistry, opportunities to present current research, and to interact with like-minded scientists within the San Diego community.

When: Tuesday September 20, 2016 from 9:00 a.m. – 4:00 p.m.

Location: Dart Neuroscience, 12278 Scripps Summit Drive, San Diego, CA 92131

Cost: Free!

Registration: Please register by Friday, September 16, 2016
www.acs-wcacs2016.eventbrite.com

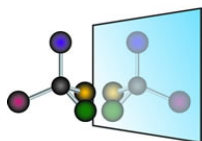
Symposium Format:

Nine 20-minute talks (with a few minutes for questions) are divided into 3 sections with a coffee/snack break and lunch in between. It is followed by a poster and networking social hour. Posters displayed will cover topics in the area of analytical chemistry.

Topics include:

Advances in SFC - chiral separations, SFC applications for bioanalysis to support PK studies.
Commercial-scale simulated moving bed (SMB) technology.
Advances in HPLC, NMR, mass spectrometry.

Sponsors:



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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 Jonathan Lockner, Interim Chair, Fundraising Committee, at jlockner@sandiegoacs.org**

ANNUAL SAN DIEGO ACS LOCAL SECTION ELECTIONS 2017

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
2 Councilors • 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: **Jim Shih** at jimshih@earthlink.net
Send your bios to **Jim Shih** at jimshih@earthlink.net and **Renate Valois** at renate@sandiegoacs.org

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 by **Nov. 1** 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

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:

**Graeme Freestone, 2016 Chair
San Diego Section of the American Chemical Society
gfreestone@sandiegoacs.org**

SHARE SCIENCE AS A CHEMISTRY AMBASSADOR

You can help kids learn to understand and love science as a Chemistry Ambassador, and ACS is ready to help you do it. Volunteer with youth groups, summer camps, and scouts in your community. The Chemistry Ambassadors program has tips and resources to support your outreach to your neighbors or students in your area. The Chemistry Ambassadors program makes it easy to stay involved, whether you have a lot of time or just a little. See www.acs.org/chemistryambassadors for more details.

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

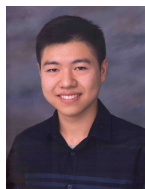
SUPPORTING FEMALE STUDENT AND POSTDOC MEETING TRAVEL*



The ACS Women Chemists Committee and Eli Lilly and Company sponsor an award program to provide funding for undergraduate, graduate, and postdoctoral female chemists to travel to meetings to present the results of their research. **September 15, 2016, is the application deadline for meetings being held between January 1 and June 30, 2017.**

**Click on the header for contact information*

CONGRATULATIONS



Zilu Pan of Canyon Crest Academy, San Diego won a Bronze Medal at the 48th International Chemistry Olympiad which was held from July 23 to August 1 in Tbilisi, Georgia. Zilu will attend the Massachusetts Institute of Technology in the fall. All our best to you, Zilu.

For more information on the 48th International Chemistry Olympiad see:

http://cen.acs.org/articles/94/web/2016/07/China-tops-48th-International-Chemistry.html?utm_source=Newsletter&utm_medium=Newsletter&utm_campaign=CEN and <http://www.icho2016.chemistry.ge/>

CONGRATULATIONS



Dr. Phil Baran, Professor and Darlene Shiley Chair in Chemistry at Scripps Research Institute, California, has been named the 2016 Blavatnik laureate in Chemistry.

For more information on the award please see :

<http://cen.acs.org/articles/94/i32/Phil-Baran-wins-Blavatnik-Award.html?type=paidArticleContent>

THE CHEMISTRY AND LAWS OF MICROBREWING

The ACS - San Diego Section's Law Committee held an event on Tuesday, August 16th, at The Wavelength Brewery in Vista, CA, on the topic of the Chemistry and Laws of Microbrewing.

The speakers were Candace Moon, a local attorney specializing in microbrewing law, and James Petti, the master brewer for The Wavelength Brewery. Candace explained many of the laws a microbrewer would be involved in, including regulatory, employment, contracts, and trademarks. James described the beer making process employed at The Wavelength Brewery and answered many questions about making beer.

Over 60 people attended, with North County well represented. It was great to see some new faces and interests in different facets of chemistry.

- Ryan Smith

SAN DIEGO CADD MEETING

**Please join us for the first 2016 SD CADD meeting
August 30, 2016, 5:30 pm**

**Topic: "Scalable Visualization and Mining
of the PDB" -**

Short talks by RCSB Protein Data Bank

(http://mmtf.rcsb.org/images/San_Diego_CADD_meeting_20160830.pdf)

**Dart NeuroScience LLC
12278 Scripps Summit Drive
San Diego, CA 92131**

**Organizers: Peter Rose (UCSD) and
Brock Luty (Dart NeuroScience)**

SUMMARY OF THE SAN DIEGO SECTION EXECUTIVE COMMITTEE MEETING MINUTES August 4, 2016

Treasurer's Report - Since last meeting: Received funds for two mini-grants totaling \$750, [YTD \$14,000 in sponsorships including MedChem]; expenses: \$1,500 to Tom Ham's for 50-60 Year Luncheon (including deposit), \$940 to Mad Science for June programs, ~\$2,500 for picnic; YTD \$19K surplus (projecting to balance budget by year end); receivables: \$1,000 for MedChem, \$3,000 for West Coast Analytical Chemistry Symposium

MedChem Symposium - Program had strong talks that interested the general audience; Surya De and Julann Miller helped with registration, attendees at lunch-time breakouts was less than anticipated (10-15% of those who registered), but the attendees were very attentive and seemed to appreciate the small size of the sessions as an opportunity for greater interaction with session leaders

50 / 60-Year Member Luncheon - 41 attendees, two 60-year members attended with their wives, two 50-year members attended alone, 22 returnees who had been honored previously (this event seems to be building a community); this was first time this event was held on a weekday; suggestion that honorees prepare talks in advance and then publish the text on Website and an agenda for the lunch to be provided on the table.

Grants - Bridging the Gap mini-grant of \$500 was awarded to purchase microphone and speaker system for Section (equipment will be used for picnic and monthly seminars), Science Café mini-grant for \$250

August Monthly Seminar - Topic: Chemistry of microbrewing and legal considerations of brewing, limited to 99 attendees, venue: Wavelength Brewery

Sept. Monthly Seminar - West Coast Analytical Chemistry Symposium seven speakers and 10 vendors have been confirmed, opportunity for networking during lunch

Southern California Pharmaceutical Discussion Group / SD ACS Seminar - Sept 8, venue: Knobbe Martens rotunda

Awards Banquet - Selected Professor Ed Dennis (UCSD) as honoree, dinner scheduled for Oct 13, contacted UCSD Faculty Club to confirm venue is available.

Science Café - Talking with Rob Knight (UCSD) as potential speaker, topic: the microbiome, working on Fleet Science Center for potential venue; working on sponsorships, targeting Nov.

Pre-college Outreach - Purchased books for awards

Western Regional Meeting - Entertaining the possibility of scaled-down WRM

Action: Graeme Freestone to write letter to university dept chairs inquiring regarding potential faculty that could serve as a general chair

Larry Bock - Recently passed away after starting up several San Diego enterprises

ACS Fellows - Selections for 2016 posted: Valerie Kuck and Ken Poggenburg elected this year, total of 11 Fellows from the Section; National has goal of 1-2% of membership be elected

Executive Committee Vacancies - Need: nominees for treasurer and chair-elect, current vacancies for chairs of Membership Committee, YCC

Chem Expo - Scheduled for Oct 22, Miramar College

Next meeting: September 6

CHEMISTRY FOR YOU AND YOUR KIDS

A WONDERSCIENCE BOING BAT!

A great thing about rubber is its bounciness. Many toys are made with rubber because of rubber's ability to bounce. In the activity below, you can test certain materials for bounciness and make your own bounce toy!

You will need

Safety glasses - Aluminum foil - Plastic bag - Balloon - Blunt-end scissors - Study plastic cup -
Rubber band - Ruler - Tape - Table tennis ball

1. Cut out a square or circle of aluminum foil large enough to easily cover the top of your cup. Place a rubber band around the rim of the cup so that the foil is held down securely.
2. Tape the cup to a ruler so that at least 1 or 2 centimeters of the ruler is sticking out beyond the cup.
3. Take your table tennis ball and try bouncing it off the aluminum foil while holding the end of the ruler as a handle. How elastic was your aluminum foil?
4. Repeat steps 1-3 using plastic from a plastic bag. Was the plastic elastic enough to bounce the table tennis ball well?
5. Use scissors to cut your balloon in half. Repeat steps 1-3 by stretching the round part of the balloon over your plastic cup. Try bouncing the table tennis ball on your balloon surface. Does the rubber make the ball bounce better than the other two materials?
6. Try stretching the balloon more tightly or more loosely over your cup to see which gives a better bounce. See how many times in a row you can bounce the ball. Challenge your adult partner to an elasticity bouncing competition!

Excerpt: "The Best of WonderScience," pg. 199, Delmar Publishers, 1997

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: E-mail: hach@acs.org -- Phone: (800) 227-5558 ext. 8178

MARK YOUR CALENDAR!!!

CHEM EXPO 2016



San Diego Miramar College
10440 Black Mountain Road, San Diego

Saturday, October 22, 2016. The hours are 11 AM to 3 PM

VOLUNTEERS NEEDED!

Shifts are available for volunteers to staff various tables (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

Julann Miller at jmiller@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 the Co-chairs of ChemExpo:

Paul Bruinsma at paulb@sandiegoacs.org

Julann Miller at jmiller@sandiegoacs.org

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2016 ACS REGIONAL MEETINGS

NERM	October	5 - 8	Binghamton, NY
SERMACS	October	23 - 26	Columbia, SC
MWRM	October	26 - 28	Manhattan, KS
SWRM	November	10 - 13	Galveston, TX



ACS PUBLICATIONS LAUNCHES MOBILE-OPTIMIZED WEB PLATFORM

ACS Publications has introduced **ACS2Go**, 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 on a tablet or smartphone. Please see for more information: pubs.acs.org/acs2go.



ACS INDUSTRY VOICES

ACS Industry Member Programs brings you the ACS Industry Voices blog, with weekly posts that share stories, lessons, advice, and general musings from around the chemical technology field.



ACS MEMBERS: GREAT SAVINGS ON YOUR SHIPPING NEEDS!

Sign up for the ACS Shipping Program and start enjoying discounted fees on every shipment you send and receive. Managed by **PartnerShip**, this free program affords U.S. based ACS members significant savings on their shipping needs, from small packages up to large freight. There are no minimum usage requirements or obligations, just [great savings](#) included with your ACS membership!



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

**American Chemical Society
252nd ACS National Meeting
Philadelphia, Pennsylvania
August 21-25, 2016**

Councilor Talking Points:

Summary of Governance Issues and Actions

The following summary is provided to help Councilors report to their Local Sections and Divisions on key actions of the [ACS Council meeting](#) held August 24, and Board of Directors meetings held August 19-20, at the [2016 ACS fall national meeting](#) in Philadelphia, Pennsylvania. Full reports will be posted on the [ACS Website](#) as they become available.

https://www.acs.org/content/acs/en/about/governance/councilors/councilor-talking-points.html?_ga=1.13586611.503499365.1468533579

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

Palomar College
Greg Elliot
gelliott@palomar.edu 858-531-1149

Point Loma Nazarene University
Sara Choung
SaraChoung@PointLoma.edu 619-849-2627

San Diego Mesa College
Dwayne Gergens
dgergens@sdccd.edu 619-388-2609

San Diego Miramar College
Fred Garces
fgarces@sdccd.edu 619-388-7493

San Diego State University (SDSU)
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

ACS Webinars™

For upcoming Webinars in September, see:
<http://www.acs.org/content/acs/en/acs-webinars.html>

For the ongoing 2016 Drug Design and Delivery Symposium series, see:
<http://www.acs.org/content/acs/en/acs-webinars/collections/2016-drug-design.html>



YOUR AD HERE!

Place your ad in the next issue of
The San Diego Chemist
For information contact:

Renate Valois - renate@sandiegoacs.org

UPCOMING EVENTS

**SOUTHERN CALIFORNIA PHARMACEUTICAL DISCUSSION GROUP
AND THE SAN DIEGO SECTION OF THE AMERICAN CHEMICAL SOCIETY**

**Kenneth G. Waterman, Ph.D.
President and Founder, FreeThink Technologies
12770 El Camino Real, San Diego, CA 92130
Thursday, September 8, 2016**

**SECOND ANNUAL ACS WEST COAST ANALYTICAL CHEMISTRY SYMPOSIUM
Dart NeuroScience, 12278 Scripps Summit Drive, San Diego, CA 92131
Tuesday, September 20, 2016, from 9:00 am – 4:00 pm**

SENIORS/RETIREEES/CONSULTANTS/ETC. BREAKFAST

**Denny's
4280 Clairemont Mesa Boulevard, San Diego, CA
Tuesday, October 4, 2016, at 9:30 AM**

**DR. EDWARD A. DENNIS
2016 Distinguished Scientist Award Banquet
UCSD Faculty Club – UCSD
9500 Gilman Drive, La Jolla, CA
Thursday, October 13, 2016**

**HOLIDAY PARTY
Sufi Mediterranean Cuisine
5915 Balboa Avenue
San Diego, CA 92111
Thursday, December 1, 2016**

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

Sean Andrews
Ahmet Badur
Nathan Dodder
Robert Eakin
Nasim Eshragh Nia
Kevyn Gardner
Jessica Geisenhoff
Michael Guaciaro
Martin Hughes
Scott Hutton
Jed Kao
Setthawut Kitcharoen
Robert Makar
Rei Matsuura
Dana Mustafa
Dexter Pratt
Joshua Ryan
Matthew Salie
Tepora Su'a
Jonathan Trueblood
Kailin Zhang
Shuyan Zhang

**2016 EXECUTIVE COMMITTEE & COMMITTEE MEMBERS
SAN DIEGO SECTION OF THE AMERICAN CHEMICAL SOCIETY**

EXECUTIVE COMMITTEE

<i>Chair</i>	Graeme Freestone, Dart NeuroScience LLC, gfreestone@sandiegoacs.org	(2016)	858-246-8137
<i>Chair-Elect</i>	Jonathan Lockner, Calibr, jlockner@sandiegoacs.org	(2016)	858-688-8143
<i>Past-Chair</i>	Ben Pratt, Akarna Therapeutics, bpratt@sandiegoacs.org	(2016)	858-945-7893
<i>Secretary</i>	William Tolley, Seacoast Science, Inc., b_tolley@juno.com	(2016)	858-780-0978
<i>Treasurer</i>	Bill Szabo, bszabo@sandiegoacs.org	(2016)	858-550-0306

Councilors

Thomas R. Beattie	(2018)	858-587-1210
Hui Cai, WuXi AppTec	(2016)	858-361-8838
Desiree Grubisha, Halozyme Therapeutics	(2018)	858-254-5497
John Palmer, UCSD	(2017)	858-265-9198
Ken Poggenburg	(2016)	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, Sanford-Burnham Medical Research Institute	(2016)	858-337-4961
Julann Miller, Waters Corporation	(2017)	800-252-4752 x6802
Ben Pratt, Akarna Therapeutics	(2016)	858-945-7893
John Schindler	(2016)	858-353-3943
Jim Shih, Eli Lilly & Co	(2017)	626-826-3561

Members-at-Large

James Caldwell	(2016)	815-262-9697
Ryan Clark, Inception Sciences, Inc.	(2017)	858-774-2095
Mark Rosen, Aetheria Therapeutics	(2017)	858-692-0639
Joann Um, Southwestern College	(2016)	510-823-8637
Mark Wentland	(2016)	518-257-2735

STANDING & SPECIAL COMMITTEES

Award Nomination Committee

Thomas R. Beattie (Chair)	858-587-1210
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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, Sanford-Burnham Medical Research Institute	858-337-4961
Desiree Grubisha, CSUSM	858-254-5497
Ken Poggenburg	760-635-2573
David Wallace, Wallace Scientific Consulting	858-638-1866
Renate Valois (Newsletter Editor)	619-692-0638

Education Committee

Haim Weizman (Chair), UCSD	858-534-2963
Joann Um (Co-Chair), Southwestern College	510-823-8637

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

Jonathan Lockner (Interim Chair)	858-688-8143
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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), Akarna Therapeutics	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

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

Jean-François Brazeau (Co-Chair), Celgene	858-882-5263
Corey Anderson, (Co-Chair), Vertex Pharmaceuticals	858-405-4734

Voice Mail – San Diego Section

619-687-5570