



The San Diego Chemist

American Chemical Society
Volume 29, Number 4

San Diego Section
April 2017

Third 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 Section of the American Chemical Society (ACS) to provide a scientific forum for open discussion of current and future trends in analytical chemistry and opportunities to present current research, and to interact with like-minded scientists within the San Diego Community.

When: Monday, April 10, 2017, from 9:00 am to 4:00 pm

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

Cost: Free!

Registration: www.acs-wcacs2017.eventbrite.com

Symposium topics include: Advances in 2-D LC, Mass Spectrometry, NMR, Laser Spectroscopic Methods and Super Critical Fluid Chromatography.

Talks and poster sessions throughout the day with a coffee/snack break and lunch.

Speakers include:

Pieter Dorrestein	UCSD
Jason Ewanicki	Pfizer
Ole Gron	Vertex Pharmaceuticals
Tom Hollenbeck	Novartis, GNF
Leonard Kaljevic	Vertex Pharmaceuticals
Dan Kassell	SciAnalytical Strategies, Inc.
Jennifer Mouton	Dart NeuroScience
Christine Pinnathok	Illumina
William Tong	SDSU

CALL FOR POSTER - Posters are welcome. Prize for best poster again this year.

Please contact Julann Miller at jmiller@sandiegoacs.org

San Diego Section of the American Chemical Society - www.sandiegoacs.org

Host:



Sponsors:



CHAIR NOTES

Dear ACS Members,

Spring has sprung! I challenge readers to spring into action and take advantage of the many opportunities available in our Local Section of the ACS. Symposia, seminars, networking, and more – please join us! With your participation, we can really make 2017 a year to remember!

Last month, the theme was outreach. On March 4, at the San Diego Festival of Science & Engineering Expo Day at Petco Park, we provided a fun demo for kids of all ages. Special thanks go to students and staff of Southwestern College, notably **Laleña Janke** and **Joann Um**!

On March 15, at the Greater San Diego Science & Engineering Fair at Balboa Park, our team of judges identified outstanding projects by middle and high school students. Special thanks go to **Ken Poggenburg** and **Jim Shih** for rallying the troops!

On March 18 and 19, local high school students took the Chemistry Olympiad Local Exam. Ninety students participated, and fifteen students qualified for the National Exam on April 23. Special thanks go to **Joan Schellinger** at University of San Diego for organizing and hosting!

Each of these events rely on volunteers. Would you like to help next year? Contact me or the individuals named above! Turning to April, there are three events I wish to put on your radar:

April 10 – **West Coast Analytical Chemistry Symposium** at Dart NeuroScience

April 23 – **Chemists Celebrate Earth Day** at Balboa Park.

April 24 – **SWIGS-SDACS Social Hour** at White Labs

Finally, please know that you are welcome to join us – in person or remotely – at our next Executive Committee Meeting on Tuesday, April 11. Help 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!

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

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".

Executive Committee Meeting Date 2017

6:00 – 8:00 pm

Tuesday	April	11
Tuesday	May	2
Tuesday	June	6
Tuesday	July	11
Tuesday	August	1
Tuesday	September	5
Tuesday	October	3
Tuesday	November	7

Meetings will be held at:

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



SCHRÖDINGER.

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PROFESSIONAL CORPORATION

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 at jlockner@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

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>

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. 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>

2017 BIOCOM INSTITUTE FESTIVAL OF SCIENCE AND ENGINEERING
March 4, 2017

The San Diego Section of the ACS and the ACS Student Chapter of Southwestern College hosted a booth at the 2017 Biocom Institute Festival of Science and Engineering Expo Day at PETCO Park. The goal of this week-long festival is to inspire the next generation of STEM enthusiasts. The week kicks off with the Festival's signature Expo Day, which displays the innovations of more than 130 local corporations, organizations and institutions. Approximately 20,000-30,000 people attend Expo Day every year.

Volunteers at our booth demonstrated the synthesis of polyurethane foam via the reaction of a polyether polyol with diisocyanate. Guests then decorated the resulting foam with markers, pipe cleaners, stickers, and other accessories.

Our booth was the talk of the day! Parents and children went out of their way to find us. Long lines formed as the children eagerly waited for their turn to take home foam creations. In fact, we ran out of supplies by 1PM, even though we had planned on staying until the end—5PM! We sincerely appreciate all of the volunteers and sponsors who made this event possible.



**CONGRATULATIONS TO WINNERS OF THE ACS SCIENCE AWARDS
AT THE 2017 GREATER SAN DIEGO SCIENCE AND ENGINEERING FAIR
MARCH 15, 2017**

Senior Division

First Place:

Project #228: Senior Medicine and Health Sciences

"Genome-Based Discovery of Novel CpG Biomarkers for Early Diagnosis and Prognosis of Leukemia"

By Daniel Zhang - Westview High, Grade 11 - Advised by: My-Nga Ingram

Second Place (Team Project):

Project #141: Senior Chemistry

"Thermolytic Grafting to Stabilize Photonic Crystal-Based Porous Silicon Sensors"

By Mihika Nadig - Torrey Pines High, Grade 12 - Advised by: Julia Newman

And

By Andre Yin - Westview High, Grade 11 - Advised by: Julia Newman

Third Place:

NONE SELECTED

Junior Division

First Place:

JuniorChemistry # 654

"Accessible Graffiti Removal Techniques"

By Musab Kazmi - Islamic School of SD, Grade 8 - Advised by Arwa Alkhawaja

Second Place:

JuniorBiochemistry # 622

"Natural Antioxidant and Nano-Antioxidant Effects Against Oxidative Stress"

By Jessie Gan - S.D. Jewish Academy, Grade 8 - Advised by Lily Deveau

Third Place (Tied):

JuniorBiochemistry # 626

"Nutritional Benefit of Organic Oranges"

By Annabelle Mitchell - Classical Conversations, Grade 8 - Advised by Michelle Mitchell

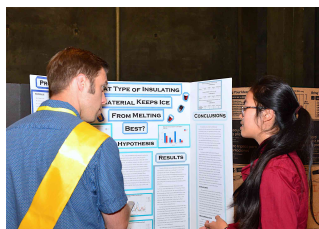
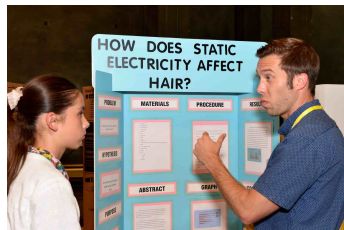
Third Place (Tied):

JuniorBiochemistry # 633

"The Effect Of Enzymes Added To Laundry Detergents"

By Angelo Riodique - St. Michael Academy, Grade 7 - Advised by Anthony Brown

We thank our members who gave their time at the Greater San Diego Science & Engineering Fair to act as judges for the ACS Chemistry Awards. See group photo below.



Back Row l-r: Jim Shih, Aubrey Haddach, Jennifer Barber-Singh, Jonathan Lockner, Margaret Tessier, Derek Hook
Front Row l-r: Karrie Kwok, Kendra Hailey, Linda Evans, Wendy Hartsock, Ken Poggenburg

CHEMPLOYMENT 789

Position Title:

Chemistry Department Instructor/Lab Manager

Job Description:

The Department of Chemistry at Point Loma Nazarene University (PLNU) is seeking candidates for a full-time, lab manager and instructor to provide laboratory management and teaching support to the Department of Chemistry.

Qualifications Desired:

Bachelor's degree in Chemistry, Biochemistry, or closely-related field required; Master's degree preferred; and teaching and lab experience desirable. Familiarity with laboratory equipment; procedures and techniques; and applicable health and safety practices.

Description of Company:

Point Loma Nazarene University is a private, Christian, liberal arts university in the Wesleyan tradition. We also offer a number of pre-professional programs such as nursing, dietetics, and applied health science. The campus is located on the narrow Point Loma peninsula that separates the San Diego Bay and Pacific Ocean. There are approximately 2400 undergraduates enrolled at the university, most of whom reside on campus. The college was founded in 1902 and in 1973 moved from Pasadena to its current location.

The Department of Chemistry has six full-time faculty members, a strong commitment to quality teaching, and a longstanding tradition of undergraduate research, which includes a well-supported summer research program. We have just moved into a new state-of-the-art laboratory facility with committed space for teaching and research. The department offers B.S. degrees in Chemistry, Biology-Chemistry, and Environmental Science. The latter two degrees are offered in cooperation with the Biology Department.

More detailed job responsibilities, qualifications, and link to apply can be found on the following website:

https://pointloma.wd1.myworkdayjobs.com/en-US/PLNUCareers/job/San-Diego---Point-Loma/Chemistry-Department-Instructor-Lab-Manager_R0000860-1

CHEMISTRY FOR YOU AND YOUR KIDS A TOTAL WASHOUT?

You saw that soap makes better suds in fresh water than in salt water. Now let's see if fresh water or salt water is better for rinsing suds away!

You will need

Safety glasses - shampoo - water - 5 plastic or paper cups (8 oz) - 2 cotton balls - measuring spoons - salt - 2 straws - masking tape - pencil

1. Label one cup "shampoo," another cup "salt water," and your other three cups, "fresh water." Fill all of your cups about half-full of water. To the "shampoo" cup, add 3 tablespoons of shampoo and stir. To the "salt" cup, add 3 tablespoons of salt and stir. Add nothing to the three "fresh water" cups.
2. Set your five cups up as shown. Dunk both cotton balls at the same time all the way into the shampoo cup until they are both completely soaked. Squeeze them out over the cup until almost no more liquid will come out of them.
3. Dunk one cotton ball into fresh water and one into salt water to try to rinse out the shampoo. Move the cotton balls up and down and continue to move and squeeze them under water to try to get the shampoo out.
4. Squeeze out the cotton balls over their cups until no more water will come out. Which cotton ball do you think has the most shampoo left in it? Can you tell by feeling the cotton balls? How about by smelling them? Put the cotton balls down and rinse off and dry your hands. Make sure you know which cotton ball was in salt water and which was in fresh water.
5. Dunk each cotton ball into a separate cup of fresh water. Move and squeeze them under water to get any shampoo out that is still there. Take both cotton balls out of the water and squeeze them over their cups.
6. Which cotton ball seems to have put more shampoo into the water? To make sure, use a separate straw to blow air into each cup to see which one makes the most bubbles. By looking at the amount of bubbles now, can you tell whether rinsing the cotton ball in salt water or fresh water in step 3 got out more of the shampoo?

Excerpt: "The Best of WonderScience," pg. 80, Delmar Publishers, 1997



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

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

Treasurer's Report – Income since last month: received a rebate from Mad Science for \$470, received sponsorships for West Coast Analytical Symposium of 2x\$500 (10 total confirmed sponsors); expenses: food for 2+ months of monthly meetings of \$2500

Webmaster – New Webmaster Aaron Ruckman –very responsive to date; agreement is for 2 hrs / mo.; Jason has been notified of change in Webmaster

Monthly Seminar - Jie Jack Li – 86 registered, ~70 attended, good general topic presentation; door prizes of his books offered by publisher were awarded

Workshop at Miramar College – Discussion of how to teach chemistry and was able to recognize Rebecca Bowers-Gentry (2017 Local Section Outreach Volunteer of the Year)

San Diego Festival of Science & Engineering Expo Day at Petco Park – Huge success, ran out of supplies around 1 pm; in future, need multiple tables, better crowd control; Southwestern College students enthusiastic to participate; suggestion to project images rather than using printed banners

Greater SD Science & Engineering Fair – Ken will assign exhibits to judges because too many displays for any person to visit all; results need to be completed by 3 pm.; bring your own lunch but not allowed to have food in the building

Chemistry Olympiad – Examinations at Shiley Center for Science and Technology (USD) needing one more volunteer

National Meeting – The four Councilors present at this ExComm meeting plan on attending

Applications for Section Fellows – Applications for five nominees proceeding – needing one more support letter and letters from Section Chair

Project SEED – Still working out details with TSRI; arrangements set for USD, UCSD; eight potential students at this point

Third West Coast Analytical Symposium – Set for Apr. 10, venue Dart NeuroScience, slightly shorter program than past years, eight speakers; 10 vendors (each sponsoring \$500); poster competition for students

Joint SDACS / American Association of Pharmaceutical Scientists – May meeting, SDACS to assist in advertising only

EarthFair – Wanting to arrange more robust demonstrations and canopies for sun protection for up-coming event; National ACS has materials for distribution

YCC – Chair has identified three volunteers (grad students at UCSD) with interest in potentially co-chairing events

Advocacy Event Seminar featuring Congressman Peters – Scheduled for July 5; partnering with the Society for Women in Graduate Studies at UCSD in organizing the event

MedChem Symposium – Scheduled for Institute of the Americas, smaller than Price Center but suitable for MedChem; sponsors are enthusiastic about supporting the event

Picnic – June 25, site secured, looking for help with bounce house, beverages; opportunity to draw in new members

Vacancies in Executive Committee –

YCC

Membership - sending about 20 welcome letters each month

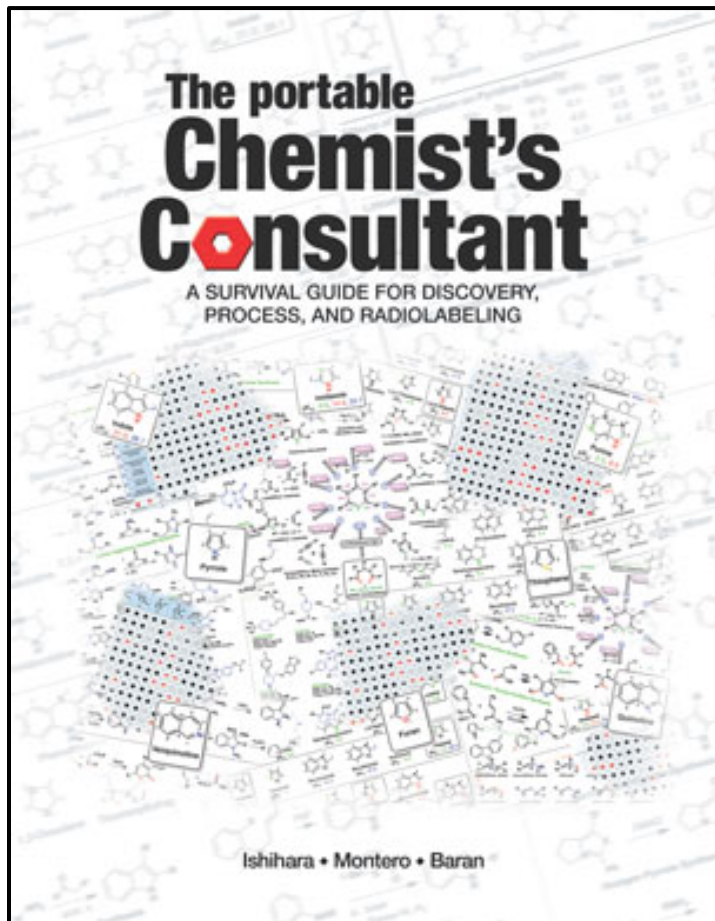
Fundraising - Zipsprout offers \$500 - \$1500 for advertising on Website

Nominations

A2I – No events scheduled for this year, attendance seemed to be dwindling at previous events, presumably as job opportunities have been improving

March for Science – ACS Council has not decided on official endorsement

Next meeting: Apr. 11, 2017



Heterocyclic Chemistry

by Phil S. Baran

A free course offered from
The Scripps Research Institute
(April 3rd – June 12th)

The class focuses on the pragmatic goal of enabling students to rapidly formulate creative retrosyntheses to the common heterocyclic systems and arm them with the tools to devise syntheses for extremely complex systems with multiple heteroatoms.

For syllabus, dates and more information, see:
<http://www.scripps.edu/baran/heterocycles/>

<https://itunes.apple.com/us/course/heterocyclic-chemistry-2015/id981272539>

Please RSVP to mgassert@scripps.edu



Family Picnic

Free Food & Fun for Families, Friends & Fido!

DATE: Sunday, June 25, 2017

WHERE: San Dieguito County Park, Solana Beach, at Lomas Santa Fe Drive and El Camino Real. Lomas Santa Fe exit off of I-5, one mile east to Highland Drive park entrance. Left onto Highland, immediate right into the park. Pay parking fee (\$3.00/car, free for seniors). At booth, proceed to Area #3 Parking. *Note: the San Diego County Fair will cause heavy traffic on I-5 near the Lomas Santa Fe exit. Please allow extra driving time!*



TIME: 11:30 AM – 4:00 PM (food served from approx. noon to 3 PM)

WHO: Youngsters, seniors, in-betweensters, guys, gals, chemists, recovering chemists, guests and other friends of the ACS!

WHAT: BBQ, cold drinks, games and prizes for children of all ages. **Please bring a homemade dessert to enter the Best Dessert Contest. Prizes will be awarded!** If you bring a cold dessert, bring a cooler. Guests with special dietary needs should provide for them.

RSVP: As soon as possible but no later than Wednesday, June 21st, by registering at <http://sdacs2017picnic.eventbrite.com/>. Please tell us how many adults and how many children (with their ages) will be in your party, as well as total number of vegetarians.



Chef Jim Shih

- **Younger Chemists:** Schmooze and network! Invite your friends! Make it WORK for you!
- **Women Chemists:** Meet and greet! Make this event a "Meeting Within a Meeting"! Share your ideas!

Volunteers Needed for Morning Setup!

Please contact Jim Shih to sign up: tel. 626-826-3561
e-mail: jimshih@earthlink.net



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2017 ACS REGIONAL MEETINGS

Middle Atlantic (MARM)	June 4 - 6	Hershey, PA
Central (CERM)	June 6 - 10	Detroit, MI
Northwest (NORM)	June 25 - 28	Corvallis, OR
Great Lakes (GLRM)	June 27 - 30	Fargo, ND
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 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 Webinars™

For upcoming Webinars in April, see:

<http://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 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

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



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

253RD ACS NATIONAL MEETING & EXPOSITION
San Francisco, California
April 2-6, 2017

SENIORS/RETIREES/CONSULTANTS/ETC. BREAKFAST
Place TBA
Thursday, April 6, 2017, at 9:30 AM

THIRD ACS-WEST COAST ANALYTICAL CHEMISTRY SYMPOSIUM
Dart NeuroScience, 12278 Scripps Summit Drive, San Diego, CA 92131
Monday, April 10, 2017

EARTH DAY - EARTHFAIR 2017
Balboa Park, San Diego, CA
<http://www.earthdayweb.org/>
Sunday, April 23, 2017

SUMMER PICNIC
San Dieguito County Park, Solana Beach
Sunday, June 25, 2017

20TH ANNUAL SAN DIEGO MEDCHEM SYMPOSIUM
Hojel Auditorium and Arango Foyer, UCSD
The Institute of the Americas
10111 North Torrey Pines Road, La Jolla, CA 92093
Friday, July 14, 2017

FIFTY-/SIXTY-YEAR MEMBER LUNCHEON
Tom Ham's Lighthouse, 2150 Harbor Island Drive, San Diego
Tuesday, July 18, 2017

254th ACS NATIONAL MEETING & EXPOSITION
Washington, DC
August 20-24, 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 SAN DIEGO SECTION OF THE AMERICAN CHEMICAL SOCIETY WELCOMES ITS NEW MEMBERS

Angelita Adeva
Lisa Bishop
Eduardo Caro-Diaz
Samuel Chafin
Chien-Ju Chen
Natalie Chuang
Anna-Maria Cousins
Brendan Crabb
Shawn DeFrees
Natalie Dwulet
William Edwards
John Freim
Leticia Gomez

Emmanuel Gutierrez Alfonso
Rubabe Haberdar
Woesha Hampson-Medina
Rodolphe Jazzar
Micaella Jorge
Timothy Kaschak
Stefan Kathman
Katrina Knauer
Sandra Kurachi
Helen Loli
Guillermo Martinez Ariza
Yutaka Minamitsuji
Natalie Mladenov

Logan Morin
Gregory Murphy
Syam Sundar Neti
Sri Krishna Nimmagadda
Rand Norberg
Brandon Orzolek
Alexa Perez
Huy Pham
Markus Roggen
Michael Shen
Connor Shinn
Taylor Steele
Joseph Wasswa

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

EXECUTIVE COMMITTEE

<i>Chair</i>	Jonathan Lockner, San Diego Miramar College, 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

OPEN

Government Affairs Committee

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

Law Committee

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

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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

OPEN

Voice Mail – San Diego Section

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