Annual Meeting and Holiday Party

DATE:  Tuesday, December 4, 2018
TIME:  5:30 PM  Social Hour
        6:30 PM  Buffet Dinner
        7:30 PM  Presentations
PLACE:  Sufi Mediterranean Cuisine
        5915 Balboa Avenue, San Diego
PRICE:  $20.00 per Dinner - $10.00 with student I.D.
RSVP:   Monday, December 3, 2018
        https://sdacs2018holidayparty.eventbrite.com

If you are unable to register online, please use voice mail:  619-687-5570

Join us for our last big event in 2018!  Come meet the San Diego Section Executive Committee members and hear election results for new officers.  Jennifer Barber-Singh, the 2018 Chair, will give the year-end wrap-up and David Wallace, Co-chair in 2019, will talk about upcoming events.

This is a great evening, not to be missed, to meet new colleagues and to get involved in SDACS activities!

Season’s Greetings!
DECEMBER NOTES

Dear ACS Members,

By the time you read this, you probably have enjoyed a good Thanksgiving Holiday and are looking forward to the next holiday and the end of the year.

On October 27th we celebrated National Chemistry Week with our own ChemExpo. As before, it was a success. You can read all about it on pages 4 and 5.

Don't forget to register for our Annual Holiday Party at Sufi Mediterranean Cuisine on December 4th.

RSVP by: Monday, December 3, 2018
https://sdacs2018holidayparty.eventbrite.com

If you are unable to register online, please use voice mail: 1-619-687-5570.

You will hear about the election results for the Local Section. We do not recount votes. We will tell you about upcoming events in 2019. The next one will be on January 21st at the Claude "Bud" Lewis Carlsbad Desalination Plant in Carlsbad. Please register at https://desalination2.eventbrite.com/

There will be a change in our Executive Board next year. We will have two co-chairs, Jennifer Barber-Singh and David Wallace.

Please note our Executive Committee Meeting dates for 2019 at the bottom of the right column on this page.

Hope to see most of you on December 4th. Have a joyful Holiday Season!

Renate Valois for Jennifer Barber-Singh, 2018 Chair
San Diego Section of the American Chemical Society
E-mail: jbsingh@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 2018 Chair, Jennifer Barber-Singh, at jbsingh@sandiegoacs.org. Once approved, Jennifer 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 at 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:

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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-1@ucsd.edu.
5. If the moderator approves the post, it will be sent to the members.

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

Executive Committee Meeting Dates 2019
6:00 – 8:00 pm

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

### BE A CHEMISTRY AMBASSADOR!
**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](https://www.acs.org/content/acs/en/volunteer/chemambassadors.html)

### VOLUNTEER WITH KIDS & CHEMISTRY
For more details, please see: [http://www.acs.org/content/acs/en/education/outreach/kidschemistry.html](http://www.acs.org/content/acs/en/education/outreach/kidschemistry.html)

### ACS-Hach Programs

**ACS-Hach Professional Development Grant**
Funds professional development experiences for secondary chemistry teachers. Award Amount: Up to $1,500

**Application Period:** ends January 4th

**ACS-Hach Land Grant Teacher Scholarship**
Provides financial support to obtain a chemistry undergraduate degree and chemistry teaching credentials at one of our 72 partner institutions. Award Amount: $10,000 for full-time study

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

**ACS-Hach Post-Baccalaureate Teacher Scholarship**
Provides financial support for chemistry graduates with limited work experience to obtain a masters degree in education or teacher certification in chemistry. Award Amount: Up to $6,000 for full-time study and up to $3,000 for part-time study

**Application Period:** February 1st – April 1st

**ACS-Hach Second Career Teacher Scholarship**
Provides financial support for chemistry professionals to obtain a masters degree in education or teacher certification in chemistry.

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

**Application Period:** February 1st – April 1st

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

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

### CHEMISTRY JUDGES NEEDED
Judging by professional societies at the 65th Annual Greater San Diego Science & Engineering Fair will take place on **Wednesday, March 13th, at 12:15 pm** in Balboa Park. If anyone is able to help choose exhibits for our Section’s chemistry awards or wants more information, please contact Ken Poggenburg at jkp135@att.net.

### CALL FOR VOLUNTEERS

**EarthFair 2019**  
**Sunday, April 28, 2019**  
**Balboa Park • 10am - 5pm**

ACS – San Diego Section volunteers will set up a table in the Children’s Activity Area. This special area has crafts, games, face painting, storytelling, and hands-on activities for children of all ages. Activities are intended to educate, entertain and inspire youth, in the spirit of Earth Day.

Please contact James Caldwell, jcaldwell@sandiegoacs.org to volunteer on **Sunday, April 28, 2019**. We need 3-4 persons for each of the 3-4 hour shifts on April 28th. Please support us and share your care for our earth, chemistry education, and the San Diego ACS!
National Chemistry Week, organized every year by the American Chemical Society, promotes the value of chemistry in everyday life. This year’s theme was "Chemistry Is Out of This World".

Area chemists showed youngsters (and several parents) why chemistry is out of this world during our ChemExpo on Saturday October 27th. More than 500 San Diego area middle school and high school students, Girl and Boy Scouts participated.

Children learned about fluorescence – the release of visible light from absorbed UV radiation. UV-sensitive beads were applied at many demos. Participants made key chains, bracelets and learned how sunscreen can block the energy. Ultraviolet (UV) light – electromagnetic radiation with more energy than visible light – causes sunburns and eye damage and is responsible for much of the chemistry in our atmosphere. Organizers with the San Diego Section of the American Chemical Society focused on all the different types of gasses in the atmosphere.

Thanks go to the over 12 organizations that conducted hands-on experiments and demos, event programming, or helped manage event activities. The company and organization booths were run by San Diego Miramar Community College, Association of Women in Science, Hewlett Packard, Society for Women in Graduate Studies, California State University at Fullerton, Seacoast Science, San Diego Air Pollution Control District, Tioga Research and Shimadzu.
San Diego Air Pollution Control District supports science-based programs that educate youth and families about the impacts of air pollution. They teach students about where air pollution comes from and ways to reduce it in San Diego County.

Student Chapters from all of the local four-year universities including University of San Diego, University of California at San Diego, California State University at San Marcos, San Diego State University, Point Loma Nazarene University, and Southwestern College all participated with a stage demo. The demonstrations were proven crowd-pleasers and illustrated important principles of chemistry.

Stage demo’s this year included:
- UCSD- liquid nitrogen to simulate the atmospheres of Mars (dry ice in bag, dipped in liquid nitrogen) and Uranus/Neptune (balloon and flower dipped in LN2). We saw the effects that CO2 can have on an atmosphere and its effect on temperature on Venus.
- USD- a density tube demo (1+1 not 2) with ethanol and water along with visual aids of different sized candies in two grad cylinders to explain packing, etc., a soda can implosion with heat in cold water and an invisible ink (acid/base phenolphthalein) demo.
- CSUSM- screaming gummy bears, pop rocks demo.
- SWCC - and SDSU- a color-changing flame experiment with saturated salt solutions.

The ChemExpo Committee would like to take this opportunity to thank everyone for their support of the NCW program. It took over 100 individuals working together to make this event a success!

Members of the ChemExpo organizing committee were: Olga Fryszman, Namphol Sinkaset and Linda Woods (Miramar Community College) and from the ACS San Diego Section Executive Committee: Paul Bruinsma and Julann Miller. San Diego ACS members who participated were: James Caldwell, Graeme Freestone, Julann Miller, Ken Poggenburg, John Schindler, Jim Shih, Bill Tolley and Shannon Woodruff.

31 Consecutive Years of National Chemistry Week Success. More resources and information about National Chemistry Week are available on the American Chemical Society’s web page: www.acs.org.

In addition, this event would not be possible without the help of our partner, San Diego Miramar College Chemistry Department as our host.

Text: Julann Miller
Photo credits: Jim Shih
Treasurer’s Report – Since last meeting: income - Section dues of $5K, $500 for Project SEED, $700 receipts for Awards Banquet; expenses – $600 plaques and awards, $1,400 for ChemExpo; $4,400 for Awards Banquet venue, $1,400 for Mad Science presentations; pending expenses: $3K for ChemExpo, $1K for storage rental; expecting reimbursement from National for all six councilor travel; question over unpaid taxes resolved; invoice from National regarding Tom being charged for presenting at Leadership Symposium resolved, expecting to meet budget projections; Vanguard Fund down, now equal to last year.

MedChem Symposium – Event is well attended each year and easily covers expenses. **Motion**: to sponsor the event again in 2019 – **Approved unanimously**

Mad Science – Thirty of scheduled 32 programs for the year have been presented. **Motion**: allocate $8,500 for 30-34 shows for next year – **Approved unanimously**

Nominations – Ash Tafti resigned in person to Executive Committee as chair for 2019 citing changes in availability for the coming year. **Motion**: in absence of elected chair, ExComm to appoint Jennifer Barber-Singh and David Wallace as co-chairs for 2019 - **Approved unanimously**

Next Year’s Projected monthly meeting schedule – Possible Feb. seminar – Mary Virginia Orna – two presentations: Chemistry and Art, and women who deserved Nobel Prizes; to be organized in conjunction with Jackie Trischman and include CSUSM, Mira Costa College, and Palomar College

Awards Banquet – Expenses at Faculty Club high, 46 paid, 42 actually attended, primarily from ExComm, awardees and guests, community support for this event appears to be lacking. **Motion**: organize committee to restructure program and increase awareness / community interest to enhance attendance - **Approved**

ChemExpo – 400 extra credit sheets distributed; many Boy Scouts, Girl Scouts; stage demonstrations went well.

Next meeting: Jan. 3, 2019

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Whether you ship packages every day or only occasionally, the [ACS Member Shipping Program](https://www.acs.org/content/acs/en/acs-membership/fedex.html) helps you save on shipping for every FedEx shipment you send and receive. Managed by [PartnerShip](https://www.acs.org/content/acs/en/acs-membership/partnership.html), this free program gives 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!

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

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**ANNOUNCING MORE FREE ONLINE CAREER WORKSHOPS**

Due to high demand, ACS Career Services is now offering complimentary Career Pathways Virtual Classrooms, where you’ll learn live from skilled experts, helping you achieve your career goals and get the boost you need to succeed. Register for [Setting Yourself Up for Success in an Interview](http://www.1800member.com/od-acs) (December 19).

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**ACS Webinars™**

Welcome to ACS Webinars, your source for online live and on-demand content, created by the American Chemical Society. **Please join us weekly Thursdays at 2pm ET.**

For more information and upcoming Webinars please see: [https://www.acs.org/content/acs/en/acs-webinars.html](https://www.acs.org/content/acs/en/acs-webinars.html)
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2019 ACS REGIONAL MEETINGS

Great Lakes (GLRM) May 1 - 4 Lisle, IL
Middle Atlantic (MARM) May 30 - June 1 UMBC, Baltimore
Central (CERM) June 4 - 7 Midland, MI
Northwest (NORM) June 16 - 19 Portland, OR
Northeast (NERM) June 22 - 27 Saratoga Springs, NY
Midwest (MWRM) October 16 - 18 Wichita, KS
Southeastern (SERMACS) October 20 – 23 Savannah, GA
Southwest (SWRM)/RMRM November 13 – 16 El Paso, TX

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Renate Valois - renate@sandiegoacs.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
760-750-4206

San Diego Miramar College
Linda Woods
lwoods@sdccd.edu
(619) 388-7750

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

Southwestern College, Chula Vista
David Hecht
dhecht@swccd.edu
619-421-6700x5461

University of California, San Diego
Stacey Brydges
sbrydges@ucsd.edu
858-246-0993

Thomas Bussey
dbussey@ucsd.edu
858-822-6665

University of San Diego
Tammy Dwyer
tdwyer@sandiego.edu
619-260-4030

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

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619-388-2609

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619-388-7493

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sbrydges@ucsd.edu
858-246-0993

Thomas Bussey
dbussey@ucsd.edu
858-822-6665

University of San Diego
Tammy Dwyer
tdwyer@sandiego.edu
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UPCOMING EVENTS

HOLIDAY PARTY
Sufi Mediterranean Cuisine
5915 Balboa Avenue, San Diego, CA 92111
Tuesday, December 4, 2018

**********
SENIORS/RETIREES/CONSULTANTS/ETC. BREAKFAST
Bristol Farms Café - Costa Verde Shopping Center –
Genesee Avenue and Nobel Drive, University City
Tuesday, January 15, 2019, at 9:30 AM

**********
THE CLAUDE "BUD" LEWIS CARLSBAD DESALINATION PLANT
4600 Carlsbad Blvd, Carlsbad, CA 92008
Monday, January 21, 2019

**********
SAN DIEGO FESTIVAL OF SCIENCE & ENGINEERING
EXPO DAY at PETCO Park
Saturday, March 2, 2019
https://www.lovestemsd.org/

**********
THE 65th ANNUAL GREATER SAN DIEGO SCIENCE AND ENGINEERING FAIR
Balboa Park Activity Center (2145 Park Blvd.)
For information please see http://www.gsdsef.org/
March 12 - 17, 2019

**********
257th ACS NATIONAL MEETING & EXPOSITION
Orlando, Florida
March 31-April 4, 2019

**********
EARTH DAY - EARTHFAIR 2019
Balboa Park, San Diego, CA
http://www.earthdayweb.org/
Sunday, April 28, 2019

**********
SUMMER PICNIC
San Dieguito County Park, Solana Beach
Sunday, June 23, 2019

**********
258th ACS NATIONAL MEETING & EXPOSITION
San Diego, California
August 25-29, 2019

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

Nicole Bakas
Philip Bartels
Ido Ben-Shalom
Celeste Biles
Laurence Burgess
Ya-Ching Chan
Samantha Crawford
Christine Dykstra
Jeffrey Fennelly
Thomas Ford-Hutchinson
Margaret Hardy
Melissa Henderson
Stephen Hoeffer
Jennifer Jesse
Khoi Le
Mariko Matsuura
Kristi Naigan
Kenneth Neesham
Alisa Peshina
Nada Qari
Brenda Roach
Andrea Sanchez
William Saumier
Michael Schafroth
Ilana Silva
Aaron Uribe
Dagoberto Valdes
Matt Watkins
Shudan Yang
2018 EXECUTIVE COMMITTEE & COMMITTEE MEMBERS
SAN DIEGO SECTION OF THE AMERICAN CHEMICAL SOCIETY

EXECUTIVE COMMITTEE
Chair Jennifer Barber-Singh, BioFluidica, lbsingh@sandiegoacs.org (2018) 858-869-7084
Past-Chair Jonathan Lockner, jlockner@sandiegoacs.org (2018) 858-688-8143
Secretary William Tolley, SeaCrest Science, Inc., b.tolley@juno.com (2018) 858-780-0978
Treasurer Graeme Freestone, Ionis Pharmaceuticals, Inc., dfreestone@sandiegoacs.org (2018) 858-539-6363

Councilors
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Hui Cai, WuXi AppTec (2019) 858-361-8838
Desiree Grubisha, Halozyme Therapeutics (2018) 858-254-5497
Valerie Kuck (2020) 973-744-5510
Ken Poggenburg (2019) 760-635-2573

Alternate Councilors
Surya K. De, Plex Pharmaceuticals, Inc. (2019) 858-337-4961
Julann Miller, Waters Corporation (2020) 800-252-4752 x6802
Ben Pratt, Pratt Pharma Consulting LLC (2019) 858-945-7893
John Schindler, Mayer-Spisak Engineering Sciences (2019) 858-353-3943
Jim Shih, Eli Lilly & Co (2020) 626-826-3561
Shannon Woodruff, HP Inc. (2020) 949-735-9021

Members-at-Large
Paul Brunsma, HP Inc. (2020) 858-655-8322
James Caldwell, Accelagen, Inc. (2019) 815-262-9697
James O’Brien (2020) 858-336-0654
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
Julann Miller (Chair), Waters Corporation 800-252-4752 x6802
Paul Brunsma, HP Inc. 858-655-8322

Communications Committee
Paul Brunsma, (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
Renate Valois (Newsletter Editor) 619-692-0638
David Wallace, Wallace Scientific Consulting 858-638-1866

Distinguished Scientist Awards Nomination Committee
Thomas R. Beattie (Chair) 858-587-1210
Tammy Dwyer USD 619-260-4030
Barbara Sawrey 858-729-0689
David Wallace, Wallace Scientific Consulting 858-204-5412

Education Committee
Joann Um, (Chair) Southwestern College 510-823-8637
Valerie Kuck 973-744-5510
Joan Schelling, USD 619-260-7960

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

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

Fundraising Committee
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Government Affairs Committee
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