Spontaneous Achiral Symmetry Breaking in Organic Fluids

Professor David M. Walba
Department of Chemistry
University of Colorado at Boulder

DATE: Monday, May 20, 2019
TIME: 6:00 PM Social Hour, Light Supper
       7:00 PM Lecture
PLACE: San Diego State University
       Department of Chemistry and Biochemistry GMCS 333
       5500 Campanile Drive, San Diego, CA 92182
RSVP: By Friday, May 17, 2019
       https://davidwalba-sdsu.eventbrite.com

For more information, please see page 3

WE REGRET HAVING TO CANCEL THE WINERY EVENT
AND APOLOGIZE FOR ANY INCONVENIENCE

Wine Tasting/Chocolate Pairing,
Cheese & Fruit Plates, Winery Tour
and Social Event at the Bernardo Winery!
The ACS–San Diego Section invites you to join us for an
informal evening of socializing, networking and learning!

DATE: Thursday, May 23, 2019
TIME: 6:00 pm – 9:00 pm
PLACE: Bernardo Winery
       13330 Paseo Del Verano Norte
       San Diego, CA  92128
       Tel: (858) 487-1866
       www.bernardowinery.com
COST: $20.00 online, $30.00 at the door
RSVP: At https://SDACS2019winstasting.eventbrite.com
       by Monday, May 20th. Must be 21 or older to attend!
Dear ACS Members,

There will be no monthly meeting in April; however there will be two events in May.

The first one takes place at SDSU on May 20th. Professor David Walba from the University of Colorado at Boulder will talk about "Spontaneous Achiral Symmetry Breaking in Organic Fluids". More information about the talk can be found on page 3. Please register at https://davidwalba-sdsu.eventbrite.com

Our second May event will be a Wine Tasting/Chocolate Pairing, Cheese & Fruit Plates, Winery Tour at the Bernardo Winery. Please join us on May 23rd for an evening of socializing, networking and learning. You will find more about the event on page 4. Please register at https://SDACS2019wintasting.eventbrite.com

A thank you to Ken Poggenburg for again organizing the judging at the 2019 Greater San Diego Science and Engineering Fair on March 13. Thank you also to Jim Shih for being the photographer.

We need volunteers on Sunday, April 28, for EarthFair 2019. Please contact James Caldwell, jcaldwell@sandiegoacs.org, if you would like to volunteer.

It is still very early, but not too early to mark June 30 for our annual picnic. You may register at https://sdacs2019picnic.eventbrite.com/

Our next Executive Committee Meeting will be on April 11th.

As always, you are invited to our monthly Executive Committee meetings. If you are interested in serving our Local Section please contact Co-Chair Jennifer Barber-Singh, jbsingh@sandiegoacs.org, or Co-Chair David Wallace, davidmw@san.rr.com.

-Renate Valois for Jennifer Barber-Singh, 2019 Co-Chair San Diego Section of the American Chemical Society
E-mail: jbsingh@sandiegoacs.org
Web: www.sandiegoacs.org

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**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 a potential customer 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

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**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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<thead>
<tr>
<th>Size (w x h)</th>
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<td>full page</td>
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</tbody>
</table>

Discounts will be available for issues not distributed to the membership for EarthFair 2019. Please send your jpg to jbsingh@sandiegoacs.org

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**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 2019 Co-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!

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**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".

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**Executive Committee Meeting Dates 2019**

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<thead>
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Meetings will be held at 9381 Judicial Drive, Suite 160, San Diego
Spontaneous Achiral Symmetry Breaking in Organic Fluids

Professor David M. Walba
Department of Chemistry
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DATE: Monday, May 20, 2019
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        5500 Campanile Drive, San Diego, CA 92182
RSVP: By Friday, May 17, 2019
        https://davidwalba-sdsu.eventbrite.com
DIRECTIONS: From Interstate 8
Take College Ave. Exit and head South. The Chemical Sciences Laboratory (CSL) Building is right next to the exit ramp on College Ave. Stay in the left lane and turn left at the first red light. Drive into Parking Structure 1 and park in any Faculty/Staff slot on Level 1 (no parking permit needed). Take the garage elevator to Floor 6 and walk across the pedestrian bridge over College Avenue. Turn right on Aztec Circle Drive and walk to the GMCS Building (the next building on the right). Lecture Hall GMCS 333 is right behind the first entrance door.

ABOUT THE SPEAKER
Currently Professor in the CU Department of Chemistry, Dr. Walba also holds an appointment in the CU Department of Chemical and Biological Engineering and serves as the Associate Director of the Soft Materials Research Center.
After receiving a B. S. degree in Chemistry from the University of California at Berkeley (1971), he studied at the California Institute of Technology under the direction of Robert E. Ireland, receiving his Ph.D. on the total synthesis of natural products in 1975. After two years of postdoctoral research on host-guest chemistry with Donald J. Cram at UCLA, Walba started his academic career as Assistant Professor of Chemistry at CU Boulder in 1977, where he has worked since.

Professor Walba's teaching and research programs emphasize organic chemistry and, in particular, stereochemistry. For his work in teaching and research, he has been made a Fellow of the American Association for the Advancement of Science (1999), a Camille and Henry Dreyfus Teacher Scholar (1984-1986), and a Fellow of the A.P. Sloan Foundation (1982-1984). In addition, Dr. Walba was a co-founder and Vice President for Chemical Research (1984-1994), and member of the Board of Directors (1994-2001) of Displaytech, Inc.

ABOUT THE PRESENTATION
Liquid crystals (LCs) are organic materials exhibiting spontaneous symmetry-breaking in the liquid phase, producing structurally (and optically) anisotropic fluids. Since the discovery of LCs in the late 1880s, chirality has played a key role in the field. Not surprisingly, throughout most of the long history of the study of LCs, the formation of chiral LC phases required enantiomerically enriched chiral molecules – either the LC molecules themselves, or through the addition of chiral dopants.

However, beginning in 1997 the discovery of chiral LC phases formed by achiral or racemic molecules led to the characterization of several variations of spontaneous achiral symmetry-breaking in fluids. These represent fluid analogs of the achiral symmetry breaking occurring upon crystallization of sodium ammonium racemate (racemic tartaric acid) discovered by Pasteur 171 years ago.

LCs showing achiral symmetry breaking are most often (perhaps always) of the “bent-core” variety – the classic example being formation of chiral smectic (layered) phases from a class of resorcinol diesters possessing two “mesogenic” wings. In that system, four diastereomeric phases are formed, two d,l pairs, and two “meso” LC phases. Since the smectic layering is “long-range,” these materials can be considered crystalline in one dimension, though they show fluid rheology.

Then, in 2009, two variants of “dark conglomerates” were described. In these phases, the smectic layering is only short-range, with fluid order giving rise to chiral, optically isotropic fluids (dark between polarizer and analyzer) with optical rotatory power for visible light on the order of 0.1°/µm. Finally, in 2013 bent-core materials possessing fluid order in three dimensions were proven to exist. In these phases, known as "twist-bend nematics," packing in the fluid phase favors a spontaneous twist, affording an optically anisotropic conglomerate lacking any layering.

These liquid manifestations of Pasteur’s crystal conglomerates will be described.
CONGRATULATIONS TO WINNERS OF THE ACS SCIENCE AWARDS
AT THE 2019 GREATER SAN DIEGO SCIENCE AND ENGINEERING FAIR
MARCH 13, 2019

Senior Division

First Place: Sofia Piccioni, Canyon Crest Academy, 11th Grade
"Novel Method Using CRISPR CAS9 to Change K562 Cells' Blood Type"

Second Place: Anushree Chaudhuri, Westview High School, 11th Grade
"A Porous Silicon Optical Nanosensor for Toxic Organic Vapors"

Third Place: Jessie Gan, San Diego Jewish Academy, 10th Grade
"Using Bioinformatics Tools to Identify Epitopes in MMP-15, a Potential Lung Cancer Drug Target"

Junior Division

First Place: Noorah Dhamim, Bright Horizon Academy, 8th Grade
"A Bio Friendly Oil Spill Remover"

Second Place: Malvyn Lai, Mount Everest Academy, 8th Grade
"Catalyst Efficiency for Producing Energy Fuels by Water Splitting"

Third Place: Timothy Marshburn, Coastal Academy, 8th Grade
"Tricking the Brain Into "Smelling" Differently"

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.

I-r: Kevin Rynearson, Nathaniel Cohan, Lydia Waterman, Ken Poggenburg, Jerry Albert, Emily Neal, Derek Hook, Jim Shih

Text: Ken Poggenburg, Photo Credit: Jim Shih
**CALL FOR NOMINATIONS ACS FELLOWS PROGRAM**

The American Chemical Society Fellows Program (ACSF) was created by the ACS Board of Directors in December 2008 to recognize members of ACS for outstanding achievements in and contributions to: science, the profession, and the Society. Read more about the program purpose here:

[https://www.acs.org/content/acs/en/funding-and-awards/fellows.html](https://www.acs.org/content/acs/en/funding-and-awards/fellows.html)

The nomination period for the 2018 Class of ACS Fellows opened on February 1, 2018. It ended at 11:59 PM on 1 April 2018. We expect that the 2019 nomination period will follow similar dates.

Use the link below for 2018 guidelines from the ACS National Offices:

[https://www.acs.org/content/dam/acsorg/funding/fellows/acs-fellows-program-guidelines_2018.pdf](https://www.acs.org/content/dam/acsorg/funding/fellows/acs-fellows-program-guidelines_2018.pdf)

If the volunteer work done by the nominee was performed on behalf of the San Diego Section, the chair and/or a designee from the executive committee familiar with the service and/or scientific work will be happy to write one or more of the required nominating letters. The awards committee will assist in guidance through the process. The overall purpose of the program is to recognize the top 1-2% of scientists-volunteers in the ACS community. (People who are generously compensated will not be considered.)

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**ACS-HACH PROGRAMS**

**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 High School Chemistry Classroom Grant**
Since 2008, over 700 high school chemistry teachers received ACS-Hach High School Chemistry Classroom Grants to support ideas that enhance classroom learning, foster student development, and reveal the wonders of chemistry. Teachers can request up to $1,500 for their ideas.

**Application Deadline**: April 14, 2019

**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**: ends 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**: ends 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

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**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](mailto:jcaldwell@sandiegoacs.org), to volunteer on Sunday, April 28. 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!

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**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)

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**VOLUNTEER WITH KIDS & CHEMISTRY**

For more, please see: [http://www.acs.org/content/acs/en/education/outreach/kidschemistry.html](http://www.acs.org/content/acs/en/education/outreach/kidschemistry.html)

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**TREASURER NEEDED**

The Executive Committee of the San Diego Section of the American Chemical Society is looking for someone to assume the Treasurer's position starting January 2020. If you are interested, please contact David Wallace at [davidmw@san.rr.com](mailto:davidmw@san.rr.com).

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**WORLD'S OLDEST PERIODIC TABLE CHART HAS BEEN FOUND IN SCOTLAND**

Family Picnic
Free Food & Fun for Families, Friends & Fido!

DATE: Sunday, June 30th, 2019

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-betweenersters, 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 Thursday, June 27th, by registering at https://sdacs2019picnic.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.

Volunteers Needed for Morning Setup!

Please contact James Caldwell to sign up:
tel. 815-262-9697
e-mail: jcaldwell@sandiegoacs.org.
SUMMARY OF THE SAN DIEGO SECTION
EXECUTIVE COMMITTEE MEETING MINUTES
March 7, 2019

Treasurer’s Report - February income: $109 (from Feb monthly); expenses for PO box and mailing supplies, $500 deposit to Tom Ham’s for 50-60 Year Luncheon, $792 deposit to Bernardo Winery; outstanding expenses - reimbursement for Expo Day (supplies and parking); request sent to National that local dues be collected with membership fees; Annual Report completed; Vanguard investment fund up from last month

Jan. Monthly Meeting - Desalination Plant Tour – Good tour and practical demonstration of chemistry

Nominations – Section needing a candidate for treasurer

Spring 2019 National Meeting – John Schindler designated to attend Council Meeting as substitute for Val Kuck

March Monthly – Introduction to Lilly Life Sciences Studio – Tues Mar. 26, space limits attendance to 80, speakers: Todd DeCollo & Jimmy Sastra– Lilly internal automation engineer / organic chemist, and external collaborating contractor, followed by tour of lab that is nearing completion

Mad Science – 10 of 20 programs scheduled, 1 scheduled for Fall; March 21 at Glen Murdock Elementary (La Mesa), providing assistance in locating supplies for Mad Science

SDSU Joint Seminar – Dr. Tong suggested David Walba (son of former SDSU professor that established UCSD-SDSU joint program), date TBD, probably mid-May

May Monthly Bernardo Winery - May 23, 25 min. tour and subsequent tasting session – wine and chocolate; cheese and fruit; propose $20 registration fee to cover half of the cost, looking for sponsors to cover balance

Picnic – Site reserved, committee to meet soon

Earth Fair - April 28, 10 a.m. – 5 p.m., Balboa Park

50-60 Year Member Luncheon - Deposit sent

Greater San Diego Science and Engineering Fair – Mar. 13, can use more volunteer judges

MedChem Symposium – Speakers selected: Carlo Ballatore (UCSD), Valentina Molteni (GNF director of medicinal chemistry), Scott Rychnovsky (UCI), David Marx and Jeff Gustafson SDSU; venue: Institute of the Americas, UCSD

National ACS Meeting – Aug. in San Diego, needing volunteers to staff the Section’s hosting booth

ACS / SABPA – Date TBD, aiming for Sept.

Distinguished Scientist Banquet – Committee to meet in the next two weeks to decide awardee; discussion of possible venues - Green Acres, Seasons 52 too expensive; will investigate availability and cost of USD dining room, Butcher Shop, Elijah’s

Chem Expo – Oct 26, Miramar College

Year-end Wrap-Up - Dec. 3 Tues.

Section Demographics –Section membership down to 2,197

Next meeting: April 11, 2019

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

TELL US ABOUT YOUR FAVORITE ELEMENT

What was the first element or element family that really inspired you? As part of the International Year of the Periodic Table (IYPT2019), we're asking ACS members to tell us about their favorite element, or element family.

Here are some ideas to get you started: Is there an element that has been an ongoing source of fascination and inspiration? Was your undergraduate or graduate research focused on a particular element? Has there been an element that has been a constant through your education or working life? We look forward to hearing from you—thanks for sharing your story!

Image credit: C&EN
Challenging the status quo in Strategic Patent Counseling.

Dentons combines legal, political, governmental, scientific and business experience to help you achieve your business objectives. We assist in patent prosecution and strategy for emerging and early stage companies. Our Intellectual Property and Technology team has considerable and broad experience in chemistry, pharmaceuticals, enzymology, biotechnology, immunology and other industry sectors.

Stephanie L. Seidman, Ph.D.
Advisory Board, ACS SoCal
Partner, San Diego
D +1 619 595 8010
stephanie.seidman@dentons.com

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2019 ACS REGIONAL MEETINGS

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

**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
trischman@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
tbussey@ucsd.edu
858-822-6665

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

**YOUR AD HERE!**

Your ad in the next issue of _The San Diego Chemist_

For information contact:

Renate Valois - renate@sandiegoacs.org

When the elements are arranged in vertical columns according to increasing atomic weight, so that the horizontal lines contain analogous elements again according to increasing atomic weight, an arrangement results from which several general conclusions may be drawn.

— Dmitry Ivanovich Mendeleev
UPCOMING EVENTS

SENIORS/RETIREE/CONSULTANTS/ETC. BREAKFAST
Bristol Farms Café – Costa Verde Shopping Center –
Genesee Avenue and Nobel Drive, University City
Tuesday, April 16, 2019, at 9:30 AM
**********

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

SPONTANEOUS ACHIRAL SYMMETRY BREAKING IN ORGANIC FLUIDS
PROFESSOR DAVID M. WALBA
Department of Chemistry, University of Colorado at Boulder
San Diego State University, Department of Chemistry and Biochemistry, GMCS 333
5500 Campanile Drive, San Diego, CA 92182
Monday, May 20, 2019
**********

CANCELLED: BERNARDO WINERY TASTING & TOUR
13330 Paseo Del Verano Norte
San Diego, CA 92128
Thursday, May 23, 2019
**********

SUMMER PICNIC
San Dieguito County Park, Solana Beach
Sunday, June 30, 2019
**********

FIFTY-/SIXTY-YEAR MEMBER LUNCHEON
Tom Ham's Lighthouse, 2150 Harbor Island Drive, San Diego
Thursday, July 11, 2019
**********

22nd ANNUAL SAN DIEGO MEDCHEM SYMPOSIUM
Hojel Auditorium and Arango Foyer, UCSD
The Institute of the Americas
10111 North Torrey Pines Road, La Jolla, CA 92039
Friday, July 19, 2019
**********

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

CHEM EXPO
Marvelous Metals
San Diego Miramar College, 10440 Black Mountain Road, San Diego
10440 Black Mountain Rd, San Diego
Saturday, October 26, 2019
**********

HOLIDAY PARTY
Sufi Mediterranean Cuisine
5915 Balboa Avenue, San Diego, CA 92111
Tuesday, December 3, 2019
**********

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

Patricia Aguilar Calvo
Jessi Beadnell
Jeffrey Bender
Samuel Brown
Joe Dagostino
Emre Discekici
Ashley Douthitt
Alex Gillespie
Jennifer Griffin
Vahid Karimkhani
Jonathan Kukowski
Alexey Kuznetsov
Douglas Lappi
Jie Li
Brock Mitts
George Monasterio

Sylvia Norman
Veera Panova
Crystal Paulus
Marion Peralta
Maria Ramirez
Sean Reed
Christopher Rupprecht
Sarah Schwab
Jesika Scort
Deborah Smith
Nathan Smith
Karen Watson
Ann Wilhite
Nathaniel Wood-Cohan
Brian Zedalis
2019 EXECUTIVE COMMITTEE & COMMITTEE MEMBERS
SAN DIEGO SECTION OF THE AMERICAN CHEMICAL SOCIETY

EXECUTIVE COMMITTEE
Co-Chair Jennifer Barber-Singh, BioFluidica, jsingh@sandiegoacs.org (2019) 858-869-7084
Co-Chair David Wallace, Samumed, LLC, davidmw@san.rr.com (2019) 858-638-1866
Chair-Elect James Caldwell, Accelagen, Inc., jdcaldwell@sandiegoacs.org (2019) 815-262-9697
Past-Chair Jennifer Barber-Singh, BioFluidica, jsingh@sandiegoacs.org (2019) 858-869-7084
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Treasurer Graeme Freestone, Ionis Pharmaceuticals, Inc., gfreestone@sandiegoacs.org (2019) 858-539-6363

Councilors
- Thomas R. Beattie (2021) 858-587-1210
- Desiree Grubisha, Halozyme Therapeutics (2021) 858-254-5497
- Valerie Kuck (2020) 973-744-5510
- Ken Poggenburg (2019) 760-635-2573
- David Wallace, Samumed, LLC (2021) 858-638-1866

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 (2019) 858-353-3943
- Jim Shih, Eli Lilly & Co. (2020) 626-826-3561
- Shannon Woodruff, HP Inc. (2020) 949-735-9021

Members-at-Large
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- James O’Brien (2020) 858-336-0654
- Bill Szabo (2019) 858-550-0306
- Jackie Trischman, CSUSM (2021) 858-414-3323
- Joann Um, Southwestern College (2019) 510-823-8637

STANDING & SPECIAL COMMITTEES

Awards Nomination Committee
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- John Schindler (Co-Chair) 858-353-3943

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

Communications Committee
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- 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
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- Tammy Dwyer USD 619-260-4030
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Education Committee
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- Joan Schellinger, USD 619-260-7960

EarthFair
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Law Committee
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- Mark Tichenor (Co-Chair), Janssen Pharmaceuticals, Inc. 858-334-8914
- David Wallace (Co-Chair), Samumed, LLC 858-638-1866

Membership Committee

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Nominations Committee

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Senior Chemists Committee
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Seniors Breakfasts
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- Women Chemists Committee
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