

***The Southern California Pharmaceutical Discussion Group (SCPDG) of AAPS  
A Joint Meeting with the San Diego Section of the ACS***

**Vince Wachter, PhD**  
**Synthetic Biologics, Inc.**

***Why Bother?***

***Downstream Development and Market Considerations that Impact Drug Discovery***

**DATE:** Thursday, May 9, 2019

**TIME:** 6:00-6:30 PM Check-In  
6:30-7:15 PM Dinner  
7:15-8:15 PM Presentation  
8:15-8:30 PM Discussion

**PLACE:** Knobbe Martens, Intellectual Law  
Da Vinci Conference Room, 12790 El Camino Real, San Diego, CA 92130

**RSVP:** By Monday, May 6, 2019

<https://www.eventbrite.com/e/downstream-development-and-market-considerations-that-impact-drug-discovery-tickets-60334306535>

*For more information, please see page 3*

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***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>

**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.

*For more information, please see page 4*



### CHAIR NOTES

Dear ACS Members,

In March, more than 60 people attended a lecture and tours of Lilly Life Science Studio. Many thanks to Lilly Biotechnology Center for their gracious hospitality.

In May we have two great events. The first is May 9<sup>th</sup> and features **Dr. Vince Wachter** of Synthetic Biologics discussing downstream development and market considerations that impact drug discovery. Our second event will be co-organized with SDSU with Professor **David M. Walba** presenting on spontaneous achiral symmetry breaking in organic fluids. Sign up early and we hope to see you all there.

As you know by now, the Wine Tasting and Tours at the Bernardo Winery had to be canceled. We were all very disappointed but the winery changed the terms of our agreement which would have significantly limited the number of attendees which would have made it difficult to put on the type of event we had all hoped for.

Looking ahead in June, we will be hosting our annual ACS Family Picnic on Sunday, June 30, 2019, and on Friday, July 19, 2019, will be our 22<sup>nd</sup> Annual San Diego MedChem Symposium held at UCSD. Don't miss out on these two great events.

Remember, all members are welcome to attend the Executive Committee meeting. If interested, the next meeting will be May 2<sup>nd</sup> at 6:00 PM at Samumed, 9381 Judicial Dr., San Diego, CA 92121, and food will be provided. We hope to see new faces.

Finally, I would like to thank all of the **Executive Committee members** for their hard work providing great service to our members. If you are interested in serving your Local Section, please contact any committee chair or me, at [davidmw@san.rr.com](mailto:davidmw@san.rr.com), if you have any questions.

David Wallace, Co-Chair  
San Diego Section of the American Chemical Society  
E-mail: [davidmw@san.rr.com](mailto:davidmw@san.rr.com)  
Web: [www.sandiegoacs.org](http://www.sandiegoacs.org)

### NON-PROFIT ORGANIZATIONS!

Does your non-profit organization have an upcoming event that might be of interest to members of the ACS – San Diego Section? If so, please send your announcement to our 2019 **Co-Chair, Jennifer Barber-Singh**, at [jbsingh@sandiegoacs.org](mailto:jbsingh@sandiegoacs.org). Once approved, Jennifer will see that your announcement is published on our website ([www.sandiegoacs.org](http://www.sandiegoacs.org)) and, if received by the 20<sup>th</sup> of the month before the event, in *The San Diego Chemist* newsletter. This is a free service of the ACS – San Diego Section. Take advantage of it!

### ATTENTION ADVERTISERS

**Did you know** that *The San Diego Chemist* is the only monthly e-newsletter that targets chemists and chemical engineers in San Diego and Imperial Counties? As soon as our newsletter is uploaded on [www.sandiegoacs.org](http://www.sandiegoacs.org) a separate notification is sent to the **2,500 members** of the ACS-San Diego Section, each a potential customer for your products and services! **Quick turnaround:** Ad copy submitted by the 20<sup>th</sup> of each month will be published by the end of that month.

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

### 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).

**THE SAN DIEGO CHEMIST**, the official newsletter of the San Diego Section of the American Chemical Society, published on a monthly basis, can be viewed at <http://www.sandiegoacs.org/newsletter/>. All contents are published at the discretion of the Section's Executive Committee. Events of interest to chemistry professionals in the community may be included in the events calendar as space permits and are subject to editing for brevity. Advertisements and announcements from the chemistry community are accepted at published rates. The deadline for items submitted is **the 23<sup>rd</sup> of the month** for publication by the end of that month.

**Advertisers:** Ad prices as of January 1, 2015:  
Size (w x h)    Number of Issues & Price/Issue

	1	3	6
2" x 3"	\$ 75	\$ 68	\$ 58
4.5" x 1.5"	\$ 80	\$ 74	\$ 67
4.5" x 4.75"	\$200	\$184	\$163
8.5" x 5.5"	\$400	\$360	\$310
full page	\$655	\$590	\$510

Discounts will be available for issues not shown

Please send your jpg to:

**Renate Valois** at [renate@sandiegoacs.org](mailto:renate@sandiegoacs.org).

### SECTION E-MAIL LISTSERVER!

Get up-to-the-minute reminders of local events and develop dialogs with your fellow members!

To subscribe to our moderated listserver:

1. Send an e-mail with SUBSCRIBE TO LISTSERVER in the subject line, and your name and e-mail in the body of the message to **Ken Poggenburg** at [jkp135@att.net](mailto:jkp135@att.net).
2. If you receive a message from the postman, reply to confirm that you wish to be added to the list, otherwise it will not take effect.
3. You will receive reminders approx. 5-7 days prior to upcoming events and messages of general interest to members.
4. To post topics for discussion, or informational items to the listserver members, send the message to [sandiego-chemist-l@ucsd.edu](mailto:sandiego-chemist-l@ucsd.edu).
5. If the moderator approves the post, it will be sent to the members.

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

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

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

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



***The Southern California Pharmaceutical Discussion Group (SCPDG) of AAPS  
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***Vince Wachter, PhD  
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<https://www.eventbrite.com/e/downstream-development-and-market-considerations-that-impact-drug-discovery-tickets-60334306535>

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

Registration fee includes dinner and presentation.  
Working Professional (includes consultants) - \$40  
Working Professional/AAPS member - \$35  
Retired/ Unemployed (no consultants) - \$15  
Student (full-time) - \$0

**Abstract:**

Drug discovery is the exciting initiation of a development program that we hope will ultimately deliver a new medicine of real therapeutic value to the patient in need. In some regards, discovery is the most altruistic link in the drug development chain, and it has often gone on unencumbered by thoughts of the "other" value – financial. In this presentation I will review some of the downstream financial, competitive and prescribing pressures that will ultimately determine whether a new drug will ever reach the market. First-hand examples from different product development and partnering programs will, hopefully, help discovery scientists understand why some programs advance and others – no matter how innovative – do not.

**Biography:**

Vince Wachter is a biotechnology/pharmaceutical industry professional with over 23 years' experience successfully leading corporate strategy, partnering, research, product development, and intellectual property programs for start-ups, small companies, and new business units within large companies. He is currently engaged in product development and partnering activities with Synthetic Biologics, Inc., providing technical and strategic insights for preclinical and late-stage clinical development programs, regulatory agency interactions, and health economic outcomes research. Prior to his role with Synthetic Biologics, Vince was CEO of Verva Pharmaceuticals Ltd., where he advanced a repurposed medicine to successful phase 2 clinical proof-of-concept testing in type 2 diabetes, and identified a new mitochondrial mode-of-action for the product with expansion applications in NAFLD/NASH, weight loss and mitochondrial diseases. Vince has designed, implemented, and/or analyzed discovery, preclinical and clinical programs in diverse therapeutic areas, including metabolic, cardiovascular, gastrointestinal, oncology, infection, immunosuppression, drug delivery and drug repurposing. He received an Eastman Business Builder Award in 2004 for his work with Eastman Chemical Company (Fortune 500) in advancing their drug delivery technologies. He received his PhD from the University of California, Berkeley, and was a post-doctoral scholar in pharmacokinetics and metabolism with Dr Leslie Z Benet at the University of California, San Francisco.

Social Media Links: <https://www.linkedin.com/groups/6601347/>

Past Presentations and Calendar of Events can be found on our web page at:

<https://www.aaps.org/aaps/membership-and-community/regional-discussion-groups/southern-california?CLK=c1e0e09f-9f30-4360-8fe2-1daebb1091fa>

# **Spontaneous Achiral Symmetry Breaking in Organic Fluids**

**Professor David M. Walba**

**Department of Chemistry  
University of Colorado at Boulder**

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## **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.

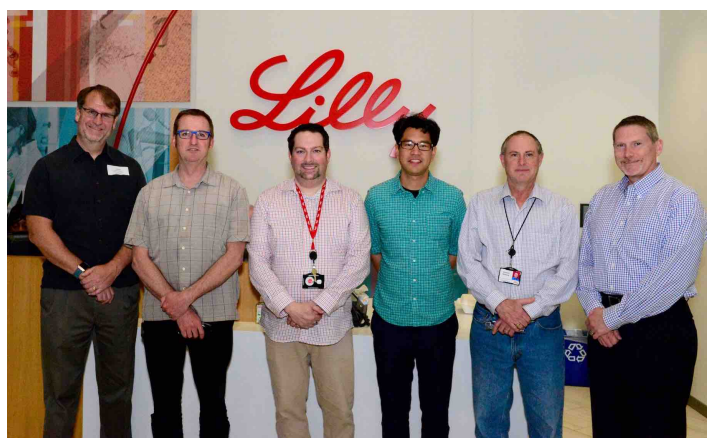
Then, in 2009, two variants of "dark conglomerates" were described. In these phases, the smectic layering is only short-range, with fluid order giving rise to chiral, optically isotropic fluids (dark between polarizer and analyzer) with optical rotatory power for visible light on the order of 0.1°/μm. 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.



### ***Event Summary – ACS/Lilly Life Sciences Studio (L2S2) Seminar & Tour***

An innovative and automated organic chemical synthesis platform was introduced to the ACS members and other San Diego chemists on Tuesday, March 26<sup>th</sup>. Speakers **Todd De Collo** (Lilly Lead Automation Scientist working in the L2S2 facility) and **Jimmy Sastra** (VP of Automation from Transcriptic Inc., in collaboration with Lilly) provided descriptions of the capabilities of the L2S2 facility and the ability to employ cloud-based solutions to produce chemical compounds and intermediates with minimal intervention. After the seminar, the visitors were led into the L2S2 facility where they were able to observe up close the elaborate coordination of different robotically controlled systems, from sample management to chemical synthesis to compound purification and sample storage. It was an enlightening experience!



L-R: David Wallace, ACS, David Evans (Lilly research scientist, L2S2),  
Todd De Collo (Lilly lead automation scientist, L2S2), Jimmy Sastra (VP of Automation, Transcriptic, Inc.)  
Rick Robbins (Lilly Research Advisor, L2S2), Jim Beck (Lilly Research Fellow, leader of L2S2)

**SUMMARY OF THE SAN DIEGO SECTION  
EXECUTIVE COMMITTEE MEETING MINUTES  
April 11, 2019**

Treasurer's Report – Income: received annual allotment of \$19K (Section dues reportedly sent but not yet received), Newsletter ads \$1000, MedChem Symposium has 9 sponsors pledged for \$9K total, \$3K received and deposited, \$3K in checks waiting to be deposited, \$3K pledged; Project SEED donation of \$5K; small expenditures for Earth Fair, Leadership Institute (covering two years), food for March monthly symposium; phone bill still to be paid; Section's certificate of deposit renewed; Vanguard Fund is growing

March Monthly Meeting – 51 attended, 8 employees assisted as presenters and tour guides of the automated synthesis lab

National Meeting – 15,605 attendees, including 6K students, Council selected president-elect candidates (HN Chang and Carol Duane), set dues for 2020 at \$175 (no increase over 2019), voted on mechanism to reduce number of by-laws, considered multi-year memberships to reduce costs associated with membership renewal reminders; membership held constant from 2018 to 2019 (versus dropping annually for past 10 years)

Project SEED - Seven professors have agreed to mentor participants, one student will be returning moving to new school, 6 positions still available

May Monthly Meeting - Prof. David Walba at SDSU, May 20

Winery Event May - Bernardo Winery changed its terms, so event was canceled

Chemistry Olympiad - 93 students from 15 high schools took the preliminary examination with one student scoring 100%, 14 students from this initial group qualified to sit for the National exam

Earth Day – Four volunteers currently; display includes information on green energy, solar power, paper recycling

Picnic – Sun. June 30

Greater San Diego Science and Engineering Fair – Three winners each in senior and junior divisions were selected, names and project titles published in April Newsletter, topics included TLC separation of egg albumin, and CRISPR gene editing

Section Demographics – Many Section members never participate in events, which elicits the question of whether the Section is adequately serving our membership

Distinguished Scientist Award Committee – Discussed venue for banquet, in particular the USD dining area; a suggestion made to seek out a company that would cater event in in-house dining facility – SDACS would pay for catering and company to cover site costs

Western Region Steering Committee – Committee meeting was well attended and interest in holding WR meetings seems to be growing; organizing local sections for 2021 and 2022 discussed

Next meeting: May 2, 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](#)



# Family Picnic

*Free Food & Fun for Families, Friends & Fido!*

**DATE:** Sunday, June 30<sup>th</sup>, 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-betweeners, guys, gals, chemists, recovering chemists, guests and other friends of the ACS!

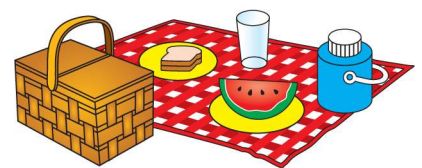
**WHAT:** BBQ, cold drinks, games and prizes for children of all ages. **Please bring a homemade dessert to enter the Best Dessert Contest. Prizes will be awarded!** If you bring a cold dessert, bring a cooler. Guests with special dietary needs should provide for them.

**RSVP:** As soon as possible but no later than Thursday, June 27<sup>th</sup>, 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](mailto:jcaldwell@sandiegoacs.org)





*Dear American Chemical Society-San Diego Chapter,*

On August 23-24, 2019, San Diego Miramar College will be hosting a 2YC3 conference (Two-Year College Chemistry Consortium <https://2yc3miramar2019.org/>). We expect to host approximately 75-150 chemistry faculty members from all over the country at our conference, thanks in part to the attraction of the national meeting of the American Chemical Society that will be held in San Diego on August 25-29, 2019.

The Chemistry Department at Miramar College would like to request that you consider making a donation to help support our conference. We can accept checks made out to “The Southern California Biotechnology Center” for various conference-related expenses, prizes for raffles, etc– all of which would be highly appreciated!

Let us know the best way for us to reciprocate your generosity. We know that sponsorship is a partnership, a two-way street. For example, we can show your logo on our conference website and program, or contribute to your company’s mission and objectives in another way.

Thank you for your consideration,

Cyndie Gilley, Ph.D.  
Exhibits Chair – Fall 2019 2YC3 Conference  
Associate Professor of Chemistry  
San Diego Miramar College  
10440 Black Mountain Road  
San Diego, CA 92126-2999  
[cgilley@sdccd.edu](mailto:cgilley@sdccd.edu)  
619-388-7938



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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



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

## 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>

## VOLUNTEER WITH KIDS & CHEMISTRY

For more, please see:

<http://www.acs.org/content/acs/en/education/outreach/kidschemistry.html>

## 257<sup>th</sup> ACS NATIONAL MEETING

ORLANDO, FL,

MARCH 31-APRIL 4, 2019

**Councilor Talking Points:** Summary of Governance Issues and Actions. Full reports will be posted on the [ACS Website](http://www.acs.org) as they become available. The summary is provided to help Councilors report to their Local Sections and Divisions on key actions of the [ACS Council meeting](http://www.acs.org) held April 3, and Board of Directors meetings held March 29-31, at the [2019 Spring National Meeting](http://www.acs.org) in Orlando, Florida.

## AN 80-YEAR-OLD PRANK REVEALED, HIDING IN THE PERIODIC TABLE!

<https://www.nationalgeographic.com/science/phenomena/2015/11/23/an-80-year-old-prank-is-revealed-hiding-in-the-periodic-table/>



## Attention Companies! Do you hire student workers?

If you have open positions in chemistry and biochemistry that would be of interest to college students, such as summer internship opportunities, here is a list of contacts you'll want to keep handy. The people listed below are the faculty advisors of the ACS Student Affiliate groups for all chemistry programs in San Diego County. These professors can get the word out to all chemistry and biochemistry majors at their schools about jobs, career fairs, open houses, etc.

### California State University, San Marcos

Jacqueline Trischman  
[trischma@csusm.edu](mailto:trischma@csusm.edu)  
760-750-4206

### San Diego Miramar College

Linda Woods  
[lwoods@sdccd.edu](mailto:lwoods@sdccd.edu)  
(619) 388-7750

### Point Loma Nazarene University

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

### San Diego Mesa College

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

### San Diego Miramar College

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

### Southwestern College, Chula Vista

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

### University of California, San Diego

Stacey Brydges  
[sbrydges@ucsd.edu](mailto:sbrydges@ucsd.edu)  
858-246-0993

Thomas Bussey

[tbussey@ucsd.edu](mailto:tbussey@ucsd.edu)  
858-822-6665

### University of San Diego

Tammy Dwyer  
[tdwyer@sandiego.edu](mailto: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](mailto:renate@sandiegoacs.org)

### **UPCOMING EVENTS**

**THE SOUTHERN CALIFORNIA PHARMACEUTICAL DISCUSSION GROUP (SCPDG) OF AAPS**  
**VINCE WACHER, PHD, SYNTHETIC BIOLOGICS, INC.**

**Knobbe Martens, Intellectual Property Law; Da Vinci Conference Room**  
**12790 El Camino Real, El Camino Real, San Diego 92130**  
**Thursday, May 9, 2019**

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**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**

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**CANCELLED: BERNARDO WINERY TASTING & TOUR**

**13330 Paseo Del Verano Norte**  
**San Diego, CA 92128**  
**Thursday, May 23, 2019**

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**SUMMER PICNIC**

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

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**SENIORS/RETIREES/CONSULTANTS/ETC. BREAKFAST**

**Bristol Farms Café - Costa Verde Shopping Center -**  
**Genesee Avenue and Nobel Drive, University City**  
**Tuesday, July 9, 2019, at 9:30 AM**

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**FIFTY-/SIXTY-YEAR MEMBER LUNCHEON**

**Tom Ham's Lighthouse, 2150 Harbor Island Drive, San Diego**  
**Thursday, July 11, 2019**

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**22<sup>nd</sup> 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 19, 2019**

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**258th ACS NATIONAL MEETING & EXPOSITION**

**San Diego, California**  
**August 25-29, 2019**

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**CHEM EXPO**

**"Marvelous Metals"**

**San Diego Miramar College, 10440 Black Mountain Road, San Diego**  
**10440 Black Mountain Rd, San Diego**  
**Saturday, October 26, 2019**

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**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**

Jeffrey Albert  
Rodolfo Arrioja  
Dakota Brady  
Philip Bunting  
Aileen Button  
Philip Chamberlain  
Duyen Dang  
Zhi Deng  
Jennifer Furrer  
Raymmah Garcia  
Alfredo Gonzales  
Natalie Hawryluk  
Sayed Mehdi Hossaini Nasr

Steven Josephs  
Pyeongun Kim  
Nathanael La Breche  
John Lopp  
Huizhen Mah  
Lalit Mahajan  
Ernesto Millan  
Ashley Nguyen  
Steven Oldenburg  
Marinelle Pagdanganan  
Naduni Paranagama  
Alexander Rachkov  
Zoran Radic

Liliana Recillas  
Madison Rogers  
Jovan San Martin  
Abir Sarbajna  
Brianna Sierra  
Aaron Sumner  
Yue Sun  
Sagar Vaidya  
Benjamin Watson  
Nicholas Wauer  
Alec Xiang

**2019 EXECUTIVE COMMITTEE & COMMITTEE MEMBERS  
SAN DIEGO SECTION OF THE AMERICAN CHEMICAL SOCIETY**

**EXECUTIVE COMMITTEE**

<i>Co-Chair</i>	Jennifer Barber-Singh, BioFluidica, <a href="mailto:ibsingh@sandiegoacs.org">ibsingh@sandiegoacs.org</a>	(2019)	858-869-7084
<i>Co-Chair</i>	David Wallace, Samumed, LLC, <a href="mailto:davidmw@san.rr.com">davidmw@san.rr.com</a>	(2019)	858-638-1866
<i>Chair-Elect</i>	James Caldwell, Accelagen, Inc., <a href="mailto:jcaldwell@sandiegoacs.org">jcaldwell@sandiegoacs.org</a>	(2019)	815-262-9697
<i>Past-Chair</i>	Jennifer Barber-Singh, BioFluidica, <a href="mailto:ibsingh@sandiegoacs.org">ibsingh@sandiegoacs.org</a>	(2019)	858-869-7084
<i>Secretary</i>	William Tolley, Seacoast Science, Inc., <a href="mailto:b_tolley@juno.com">b_tolley@juno.com</a>	(2019)	858-780-0978
<i>Treasurer</i>	Graeme Freestone, Ionis Pharmaceuticals, Inc., <a href="mailto:gfreestone@sandiegoacs.org">gfreestone@sandiegoacs.org</a>	(2019)	858-539-6363

**Councilors**

Thomas R. Beattie	(2021)	858-587-1210
Hui Cai, WuXi AppTec	(2019)	858-361-8838
Desiree Grubisha, Halozyne 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

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John Schindler (Co-Chair)	858-353-3943

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

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Surya K. De, Plex Pharmaceuticals, Inc.	858-337-4961
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Ken Poggenburg	760-635-2573
Renate Valois (Newsletter Editor)	619-692-0638
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Valerie Kuck	973-744-5510
Joan Schellinger, USD	619-260-7960

**EarthFair**

James Caldwell, Accelagen, Inc.	815-262-9697
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**Fundraising Committee**

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**Mad Science Program**

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

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**Nominations Committee**

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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**

619-687-5570