



The San Diego Chemist

American Chemical Society
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San Diego Section
January 2018

BioFluidica: Advancing Personal Medicine

Rolf Muller, Ph.D.
CEO of BioFluidica, Inc.

DATE: Wednesday, January 17, 2018

TIME: 6:00 PM Social Hour, Light Dinner
7:00 PM Lecture

PLACE: Committee Lecture Hall, The Scripps Research Institute
10596 North Torrey Pines Road
La Jolla, CA 92037

RSVP: January 15, 2018
<https://biofluidica.eventbrite.com>



ABOUT THE SPEAKER:

Rolf Muller is a biotechnology leader combining science and business knowledge to build and grow successful technology companies that further healthcare and the field of personalized medicine. He has structured and guided highly efficient multi-disciplinary research and commercial teams through funding, to product development, and successful product launch into global markets. Prior to joining BioFluidica he was the Founder and President of Biomatrix, which he developed from an idea to be a global leader in biopreservation technologies for diagnostic and health care companies. Over the last 16 years he has been involved in analyzing markets and developing strategies to position biotechnologies to maximize value. He has interacted with most of the major pharma and biotechnology companies to obtain funded development contracts, joint projects, and partnerships. In addition to raising successfully capital from investors he also raised non-dilutive capital from CDC, NCI, NIH, DARPA, In-Q-Tel and DOD. He obtained his Ph.D. in biochemistry from the Pasteur Institute in Paris, France.

ABOUT THE PRESENTATION:

How a small San Diego Biotech Company can make a difference in the future of the \$233 billion Personalized Medicine market.

BioFluidica has invented a ground-breaking diagnostic platform for vastly improved disease detection from blood samples. Diagnostic tests include capture and analysis of viable circulating tumor cells, cell-free DNA, and exosomes with unprecedented recovery, purity, throughput, and cost savings, thereby enabling large-scale cancer diagnoses from liquid biopsies (blood samples). The platform has been clinically validated on six cancer-including solid tumor- and blood-based cancers.

The presentation will not only focus on the technical aspect of the platform development, including instrumentation engineering, software development, chemical engineering, molecular and cellular biology and polymer science, but will also give insight on how to scale an early stage research tool to clinical performance.

CHAIR NOTES

Dear ACS Members,

I am looking forward to assuming the role of Chair of the San Diego Section of the American Chemical Society in 2018. We have a lot to be proud of as a Local Section, and I hope to bring exciting activities to our Section during the coming year. I want to start by thanking our 2017 Chair, Jonathan Lockner, for his dedication and hard work this past year.

This coming year our executive team includes **Ashkan Tafti** (Chair-Elect), **Bill Tolley** (Secretary), and **Graeme Freestone** (Treasurer). The efforts of these individuals, as well as the efforts of various committee chairs, councilors, alternate councilors, and members-at-large, will make for an eventful and productive year for our members and for the San Diego community.

Our first Executive Committee Meeting of 2018 will take place on Thursday, January 4th. All members are welcome and encouraged to attend. This is a perfect place to make connections, share ideas for events, explore opportunities to volunteer, or just want to pitch in and help. Volunteers are the lifeline of our Local Section. I thank everyone in advance for the time and energy they will dedicate during the upcoming year.

In January, our first speaker will be **Rolf Muller**, a biotechnology leader who will present exciting information on the work being done at his biotech company, BioFluidica. In February, we will host **Jyllian Kemsley**, the West Coast senior editor at *Chemical & Engineering News*. She will present information to our Section and students on alternative jobs for scientists. This event will be co-hosted by SWIGS and UCSD.

In addition to these are other special events planned throughout 2018, including the Earth Fair, Mad Science, Seniors Breakfasts, Education Awards Banquet, Family Picnic, 50-/60-Year Member Luncheon, MedChem Symposium, ChemExpo, Distinguished Scientist Award Banquet, and Holiday Party. I also look forward to events brought to us from the Law, Professional Development, Women Chemists, and Younger Chemists Committees, to name a few. Finally, on behalf of the Executive Committee of the San Diego Section of the ACS, I wish you a wonderful holiday season and a happy new year!

Jennifer Barber-Singh, Ph.D.

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, renate@sandiegoacs.org

CHEMISTRY JUDGES NEEDED

Judging by professional societies at the Greater San Diego Science & Engineering Fair will take place on **Wednesday, March 14th at 12:15 pm** in Balboa Park. Anyone able to help choose exhibits for our Section chemistry awards or wanting more information, please contact **Ken Poggenburg** at jkp135@att.net.

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 2018

6:00 – 8:00 pm

Thursday	January	4
Thursday	February	1
Thursday	March	1
Thursday	April	5
Thursday	May	3
Thursday	June	7
Thursday	July	12
Thursday	August	2
Thursday	September	6
Thursday	October	4
Thursday	November	1

Meetings will be held at:

9381 Judicial Drive, Suite 160
San Diego, CA 92121



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 Ashkan Tafti at atafti@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:

Jennifer Barber-Singh
2018 Chair
San Diego Section of the American Chemical Society
jbsingh@sandiegoacs.org

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 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

PROJECT SEED: 50 YEARS OF PROVIDING SUMMER RESEARCH OPPORTUNITIES FOR HIGH SCHOOL STUDENTS



Project SEED is celebrating its 50th Anniversary in 2018. Online applications for the 2018 Project SEED program are invited from scientists interested in hosting a student in their academic, industry, and government research laboratories.

Project SEED is designed to encourage economically disadvantaged high school students, juniors or seniors, with an interest in science to do hands-on research guided by a scientist-mentor during the summer. Help us expand the program and celebrate the 50th Anniversary by participating: Project SEED is seeking program coordinators and mentors in all 50 states, Washington, DC, and Puerto Rico.

The online application for Project SEED is now open; **the deadline is January 31, 2018**. For more information on how to host a Project SEED program, contact the Project SEED office by email at projectseed@acs.org, call **(202) 872-4380**, or visit

www.acs.org/projectseed.

CONGRATULATIONS!

Dr. Michael D. Burkhart, Professor, Department of Chemistry and Biochemistry at UC San Diego, was named a Fellow of the American Association for the Advancement of Science.

ANNUAL MEETING AND HOLIDAY PARTY

Our last event of 2017, the annual Holiday Party on Thursday, December 7, 2017, was held at Sufi Mediterranean Cuisine on Balboa Avenue. This is a second time we choose this venue, having enjoyed it very much the previous year.

Jonathan Lockner, the outgoing 2017 Chair, gave a year-end wrap-up presentation describing some of the highlights of the San Diego Section from 2017.

Jennifer Barber-Singh, the incoming 2018 Chair, discussed her goals for the Local Section for the upcoming year.

Also, **Mary Bet Dobson** of the ACS Development Office in Washington, D.C., here in San Diego on a business trip to California, joined us. She was invited to say a few words about ACS Project SEED, ACS Scholars and other programs and encouraged us to consider supporting these worthwhile initiatives.

We are looking forward to an exciting year ahead!



Tom Stockfish, Jonathan Lockner, Bill Szabo



Jonathan Lockner



Jennifer Barber-Singh



The "Pinning"



Jennifer Barber-Singh, Jonathan Lockner

AMERICAN CHEMICAL SOCIETY

**SAN DIEGO SECTION
EDUCATION COMMITTEE**

December 1, 2017

Dear Colleague,

The Education Committee of the San Diego Section of the American Chemical Society (ACS) is pleased to announce that we will be participating in the 2018 U.S. National Chemistry Olympiad (USNCO). The primary goals of this program are to stimulate interest and achievement in chemistry among high school students throughout the United States and to provide recognition of outstanding young chemistry students, teachers, and schools.

Students competing in the USNCO are eligible to be selected as members of the United States team for the International Chemistry Olympiad (IChO). For the past thirty-four years, the United States has sent a team of four students to compete with nations around the world at the IChO. The students participate in both theoretical and laboratory examinations over several days. Gold, silver, and bronze medals are awarded to the best performers, and the IChO provides students the opportunity to interact with their peers from other countries. This year the international event will be held in Bratislava Slovakia and Prague Czech Republic, July 19-29, 2018.

We encourage your school to participate in this academic Olympiad. All students who participate will be recognized and presented with a certificate; top 150 students receive recognition for outstanding performance at the national level. We hope this recognition will serve to stimulate interest in chemistry and to promote a positive attitude toward chemistry.

My immediate task is to encourage you and your students to participate in this program. It is the responsibility of the ACS San Diego section to nominate students from this area to take the USNCO national examination. In order to identify these students, a preliminary screening round will occur through the administration of a standardized ACS examination. Students can register (see link below) themselves or via their teachers, to take the exam on either **Saturday, March 10, 2018 at 9 am** or **Sunday, March 11, 2018 at 9 am** at the University of San Diego in **The Shiley Center for Science and Technology – Rooms 129, 130 and 133**. The exam lasts approximately 2 hours. **Please send students with a pencil and calculator (non-programmable only).**

A campus map and driving directions can be found at: <https://www.sandiego.edu/maps/documents/usd-campus-map.pdf>
Please direct students and parents to that site.

Registration Information:

To enter students from your school in this competition, please complete and submit an online registration using the link provided below by the **due date of February 23, 2018**:

<https://sandiego.secure.force.com/events#/list?category=DEPT-CHEM>

Please type all student information. Please remind students that by registering, they are expected to attend as the rooms, proctors, # of exams purchased, etc. is all based on registration information.

Thank you for helping us to promote chemical education in this country. If you have any questions, feel free to contact me (jschellinger@sandiego.edu). You may also get further information by joining our Facebook page (<https://www.facebook.com/USNCO-San-Diego-Section-1807164522906083/> or search for USNCO San Diego Section).

***Note: Any student may take this preliminary screening exam but students must be citizens or permanent residents (green card holders) to be invited back to take the U.S. National Exam.*

Sincerely,
Joan Schellinger

Chemistry Olympiad Coordinator
San Diego Section, American Chemical Society
Department of Chemistry and Biochemistry
University of San Diego
5998 Alcalá Park
San Diego, CA 92110

VOLUNTEERS NEEDED
AMERICAN CHEMICAL SOCIETY
SAN DIEGO SECTION
EDUCATION COMMITTEE

The University of San Diego is hosting the Chemistry Olympiad, and the preliminary screening is scheduled on **March 10 and 11 (Sat and Sun) from 9-11 am here at Shiley**. I would like to ask if you would be interested in proctoring on either days. We specifically ask volunteers to arrive ~ 30-45 minutes to help set-up, register students and proctor the 2-hr exam. We can also ask our research students if they are interested in this volunteer opportunity.

Last year, we held a mini-poster session with refreshments towards the end of the exam period. I thought that was a great idea and I am planning on doing it again.

Please let me know.

Thank you,

Joan

Additional information:

Important information for proctors/volunteers:

Please come 40-45 minutes early to help set-up and register/check the names of the students.

Registration information: Please check the students' names in the registration form and have them double check the information listed (especially the email addresses). If their names are not registered, please have them fill out the form. We can only accommodate another 10-15 unregistered students.

Exams will be conducted for 2 hours. Extra time is not allowed. Proctors are not allowed to answer any questions related to the exam questions.

We provide the following: ACS exam, Scantron paper, scratch paper. All of these should be collected after the exam.

Only non-programmable calculators are to be used on the national exam and on the ACS local section exam, if used. The use of a programmable calculator, cell phone, or any other device that can access the Internet or make copies or photographs during the exam is grounds for disqualification.

We provide certificates at the end of the test.

Feel free to bring things to do, read or work on during the 2-hour proctoring period.

Joan Schellinger, PhD
Assistant Professor
Department of Chemistry and Biochemistry
University of San Diego
5998 Alcalá Park
San Diego, CA 92110
[\(619\)260-7960](tel:6192607960)

CHEMISTRY FOR YOU AND YOUR KIDS

Space Waves

Have you ever seen an "Ocean-in-a-Bottle" that you can buy at a toy or novelty store? In this activity, you can make your own "Ocean-in-a-Bottle." Discover how this toy works, and then imagine what might happen if you could take it into orbit?

You will need

Eye protection - Newspaper - Clear plastic 1 liter soda bottle - Clear mineral oil or light-colored vegetable oil Water - Blue food coloring - Funnel (option)

1. Cover your work surface with a double layer of newspaper. Rinse out the bottle and take off any labels. Be certain to rinse away any soap you might have used in soaking and cleaning the bottle.
2. Fill the bottle half-full with water. Add blue food coloring drop by drop until your ocean is a color you like. Then put the lid on tightly. Tilt the bottle to be certain that it does not leak. If it does, you will need another bottle.
3. Fill the bottle to the very top with oil. You should use a funnel to prevent spilling. What do you notice about the blue water and the oil?
4. Hold your bottle sideways and slowly rock it back and forth. Notice the waves forming on your miniature ocean.

The Astronaut Challenge:

How do you think this toy would work in orbit? Would the liquids separate at all? Think about what causes them to make two layers in the bottle. Tilt your bottle and think about the effect gravity has on the two different liquids in the bottle.

Excerpt: "The Best of WonderScience," pg. 72, Delmar Publishers, 1997

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. 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>

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>

It Pays to be a Volunteer! Volunteers have 27% higher odds of finding a job after being out of work than non-volunteers. The odds increase to over 50% for those without a high school diploma or who live in rural areas. Source: Corporation for National and Community Service. (June 2013). *Volunteering as a Pathway to Employment*.

APPLY FOR AN ACS PUBLIC POLICY FELLOWSHIP

Interested in putting your scientific training to work in a policy environment? The [ACS Public Policy Fellowships](#) are a unique opportunity for ACS members to gain hands-on policy experience and insights while working on Capitol Hill or with ACS External Affairs staff in Washington, DC. Applications for the 2018-2019 fellowships are due **January 15, 2018**. Visit www.acs.org/policyfellow for more information.

BUILD MOLECULES IN MY MOLECULARIUM – A FREE NEW GAME APP



Everybody will be blown away by [My Molecularium](#), a fun, new molecule-building game, and they'll have fun learning real science while they play. This fast-paced, free game app challenges players to build a wide variety of fascinating molecules, from water and vitamin C to caffeine and adrenaline.

[My Molecularium](#) is available for free at the Apple App Store or Google Play today! The app is the latest effort of the successful [Molecularium®](#) Project, spearheaded by faculty at Rensselaer Polytechnic Institute

and funded by the National Science Foundation and others to excite audiences of all ages to explore and understand the molecular nature of the world around them.



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.

SUBMIT ABSTRACTS AND REGISTER NOW FOR PANIC 2018



Abstract submissions for the [Practical Applications of NMR in Industry Conference \(PANIC 2018\)](#) are open for scientists who wish to present. **PANIC 2018 will be held March 4–8, 2018, at the San Diego Marriott La Jolla, in La Jolla, CA. Hotel accommodations at the group rate are available until February 10. Plan to arrive early to attend the Users' Meetings on Sunday, March 4.**

Register online. Visit the [PANIC 2018](#) website for more information.

A belated video of our ChemExpo in October. <https://www.youtube.com/watch?v=Ik7EimPOb6A>

Courtesy of Shannon Woodruff.

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2018 ACS REGIONAL MEETINGS

Northeast (NERM)	June 1 - 3	Lake Placid, NY
Central (CERM)	June 13 - 16	Toledo, OH
Northwest (NORM)	June 24 - 27	Richland, WA
Midwest (MWRM)	October 21 - 23	Ames, IA
Southeastern (SERMACS)	October 31 - November 3	Augusta, GA
Southwest (SWRM)	November 7 - 10	Little Rock, AR

LOOKING FOR A CHEMIST?

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THE SAN DIEGO CHEMIST**



is read by nearly 3000 chemists and biochemists in San Diego and Imperial Counties.

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For information contact: **Renate Valois** - renate@sandiegoacs.org

ACS Webinars™

Welcome to ACS Webinars, your source for online live and on-demand content, created by the American Chemical Society. ACS Webinars connect you with subject experts and global thought leaders in chemical sciences, management, and business on relevant professional issues.

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>

THE ACS BANK OF AMERICA CASH REWARDS™ CARD—YOUR TICKET TO CULTURE

Your weekend pass to more than 175 U.S.-based cultural resources—museums, zoos, science centers, botanical gardens and more—may already be in your pocket. **ACS Bank of America Cash Rewards™** cardholders can get free admission on the first full weekend of every month, just show your ACS Cash Rewards™ card and photo ID. See a list of participating organizations [here](#). Don't have an ACS periodic table Cash Rewards™ card?

Call **1-800-932-2775** and ask for code GAARVO, or [apply online](#).

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REGISTRATION AND HOUSING FOR NEW ORLEANS ARE NOW OPEN

Early registration rates are now available for the **ACS National Meeting & Exposition!** The meeting will be held in New Orleans, LA, from **March 18-22, 2018**. Join us for robust programming and excellent networking opportunities.

Discounted hotel rooms and travel are also available. [Book into ACS meeting hotels](#) for discounted rates, free internet, and more!

We look forward to seeing you in New Orleans! Visit the [ACS National Meetings](#) home page for all the latest meeting details.

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

SENIORS/RETIREES/CONSULTANTS/ETC. BREAKFAST

**Bristol Farms Café - Costa Verde Shopping Center - Genesee Ave. and Nobel Drive
University City**

Thursday, January 11, 2018, at 9:30 AM

THE BIOCOM INSTITUTE FESTIVAL OF SCIENCE AND ENGINEERING

EXPO Day at PETCO Park

Saturday, March 3, 2018

<https://www.lovestemsd.org/>

THE 64th ANNUAL GREATER SAN DIEGO SCIENCE AND ENGINEERING FAIR

[Balboa Park Activity Center \(2145 Park Blvd.\)](#)

For information please see <http://www.gsdsef.org/>

Judging - Wednesday, March 14, 2018

255th ACS NATIONAL MEETING & EXPOSITION

New Orleans, Louisiana

March 18-22, 2018

EARTH DAY - EARTHFAIR 2018

Balboa Park, San Diego, CA

<http://www.earthdayweb.org/>

Sunday, April 22, 2018

SUMMER PICNIC

San Dieguito County Park, Solana Beach

Sunday, June 24, 2018

256th ACS NATIONAL MEETING & EXPOSITION

Boston, Massachusetts

August 19-23, 2018

CHEM EXPO

Outerspace - Chemistry is Out of This World

San Diego Miramar College, 10440 Black Mountain Road, San Diego

10440 Black Mountain Rd, San Diego

Saturday, October 27, 2018

HOLIDAY PARTY

Sufi Mediterranean Cuisine

5915 Balboa Avenue, San Diego, CA 92111

Thursday, December 6, 2018

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

Meinrat Andreae
Vincent Crowley
John DeNuzzio
Stefano Forli
Temesgen Garoma
Jasmine Hammons-Bright
Kristen Klyza
Mark Kowalski
Sarah Moore
Spencer Nelson

Herbert Radisch
Kristine Senkane
Andres Seoane Fernandez
Michael Shields
Spencer Swarts
Hideo Tomomatsu
Tadao Tomomatsu
Andrew Vaino
Jianing Wang
Ceren Yardimci Tumay

**2018 EXECUTIVE COMMITTEE & COMMITTEE MEMBERS
SAN DIEGO SECTION OF THE AMERICAN CHEMICAL SOCIETY**

EXECUTIVE COMMITTEE

<i>Chair</i>	Jennifer Barber-Singh, BioFluidica, jbsingh@sandiegoacs.org	(2018)	858-869-7084
<i>Chair-Elect</i>	Ashkan Tafti, Catalent, atafti@sandiegoacs.org	(2018)	619-395-6412
<i>Past-Chair</i>	Jonathan Lockner, San Diego Miramar College, jlockner@sandiegoacs.org	(2018)	858-688-8143
<i>Secretary</i>	William Tolley, Seacoast Science, Inc., b_tolley@juno.com	(2018)	858-780-0978
<i>Treasurer</i>	Graeme Freestone, Dart NeuroScience LLC, gfreestone@sandiegoacs.org	(2018)	858-246-8137

Councilors

Thomas R. Beattie	(2018)	858-587-1210
Hui Cai, WuXi AppTec	(2019)	858-361-8838
Desiree Grubisha, Halozyne Therapeutics	(2018)	858-254-5497
Valerie Kuck	(2020)	973-744-5510
Ken Poggenburg	(2019)	760-635-2573
David Wallace, Wallace Scientific Consulting	(2018)	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, Allergan	(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

Paul Bruinsma, HP Inc.	(2020)	858-655-8322
James Caldwell	(2019)	815-262-9697
Melissa Chandler, San Diego State University	(2020)	619-838-7867
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

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, Halozyne 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
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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

Ashkan Tafti, (Chair), Catalent	619-395-6412
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Government Affairs Committee

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

Law Committee

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

Thomas R. Beattie	858-587-1210
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MedChem Symposium

Ben Pratt (Co-Chair), 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, BioFluidica, Inc	858-869-7084
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Nominations Committee

OPEN

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

Bryce Timm	512-545-9287
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Voice Mail – San Diego Section

619-687-5570