

BEYOND THE BENCH: A CAREER IN SCIENCE WRITING

JYLLIAN KEMSLEY
C&EN Executive Editor

DATE: Wednesday February, 21, 2018

TIME: 5:00 PM Social Hour, Light Meal
6:00 PM Lecture

PLACE: Natural Sciences Building Auditorium, UCSD campus

RSVP: February 19, 2018
<https://jylliankemsley.eventbrite.com>



ABOUT THE SPEAKER:

Jyllian Kemsley went to Amherst College thinking that she'd become a lawyer but was lured to chemistry by some wonderful teachers. After getting her bachelor's degree, she spent two years as an analytical chemist at Merck before escaping the "Garden State" for the "Golden State" and graduate studies at Stanford University. Toward the end of her time at Stanford, she was contemplating her career options when a friend introduced her to the concept of "science writer." She retooled her skills in the science communication program at the University of California, Santa Cruz, and then freelanced for several years. She now manages *Chemical & Engineering News* science policy coverage and writes about laboratory safety from her home office in the San Francisco Bay Area. Before her recent promotion to policy editor, she wrote for C&EN on topics ranging from atmospheric chemistry and NMR spectroscopy to breast milk composition, marijuana quality control, and lethal injections.

ABOUT THE PRESENTATION:

Jyllian Kemsley will outline her path from chemistry major to pharmaceutical analyst, graduate student, and now science journalist. She will talk about her current job at *Chemical & Engineering News* and what it's like to help generate a weekly magazine for a scientifically savvy audience. She will also discuss other nontraditional careers for scientists.

Co-hosted by:



CHAIR NOTES

Dear ACS Members,

The New Year is in full swing! The first Executive Committee Meeting of 2018 was on Thursday, January 4th. We had a good turnout to discuss upcoming events and committee positions for this year, as well as outreach activities like Project SEED, a summer research program for under privileged students in our community, Mad Science programs and new opportunities.

Our first monthly meeting was held on January 17, 2018. **Rolf Muller**, CEO of BioFluidica, discussed the potential for personalized medicine. He presented the work being done for early detection of cancer from whole blood using a microfluidic device through the capture of circulating tumor cells, cell free DNA and exosomes. The audience was very interested in the topic and asked a lot of questions regarding the technology.

On February 21st we will co-host with SWIGS (Society of Women in Graduate Studies), speaker **Jyllian Kemsley** from C&EN to discuss alternative careers in science at UCSD.

Here are some upcoming community-wide, large-scale events!
San Diego Festival of Science & Engineering EXPO DAY at PETCO Park, March 3, 2018
Greater San Diego Science & Engineering Fair at Balboa Park, March 13-18, 2018
ACS Spring National Meeting & Exposition in New Orleans, March 18-22, 2018

Our next Executive Committee Meeting will take place on Thursday, February 1st. I invite all members who wish to become more involved to please join us. Bring your enthusiasm, your ideas, and your unique talents to help make 2018 an outstanding year for the San Diego Local Section of the ACS!

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 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

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 | 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

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**. See [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.

JUST RELEASED: YOUR 2018 ACS MEMBER HANDBOOK

Brush up on your benefits in 2018 with the newly released ACS member handbook. From Chemical & Engineering News, ACS Journals, and publishing resources to career and professional development offerings, the annual [member handbook](#) is your comprehensive resource for everything the Society has available to you. From undergraduate to emeritus, ACS has a resource for every step of your journey. Have a look at the [2018 version today](#)

BIOFLUIDICA: ADVANCING PERSONAL MEDICINE

Rolf Muller, Ph.D.

On Wednesday January 17th, we hosted **Rolf Muller**, CEO of BioFluidica, a small biotech company working on early cancer detection. He presented information about the advancements in liquid biopsy technology and personalized medicine to a group of enthusiastic scientists. The field of personalized medicine has been estimated to have a value of \$233 billion by the year 2025. The idea of personalized medicine involves identifying diseases and treatments that are specific to each person based on their genetic background instead of generalized treatments for diseases like cancer.



Dr. Muller presented the technology that is being developed at BioFluidica for the capture of CTC's, circulating tumor cells, cell-free DNA and exosomes. These biomarkers are captured in a microfluidic device with high aspect-ratio, sinusoidal channels that are covered with entities that recognize specific cancer cells, cell-free DNA or exosomes from whole blood. The technology will reduce or eliminate the need for tumor biopsies or in the case of Leukemia, bone marrow biopsies. These procedures prove to be very painful, expensive and tissues isolated don't always provide accurate information regarding the tumor environment.

In conclusion, **Dr. Muller** presented the developing technology at BioFluidica that will bring personalized medicine to the forefront of medical technology.

CHEMISTRY FOR YOU AND YOUR KIDS

Pick the Right Paint for your Palette

Many times an artist needs to decide what type of paint is best for the material or surface he or she will be painting. Paints made with **water** work well on certain surfaces but not on others. Artists may even want to experiment with making their own paints to find the best one for the surface they are trying to paint. Try the activity below to see what we mean.

You will need

Safety glasses - 1 piece of colored chalk - 1 zip closing plastic bag - Water - mineral oil - two small clear plastic cups - sheet of waxed paper (about 15 cm x 15 cm) - two small paintbrushes - metal tablespoon

1. Break the chalk in half and put one half in a plastic bag. Close the bag and ask your adult partner to use the back of a spoon to crush the chalk into a powder inside the bag.
2. Pour the powdered chalk into one of your cups. Repeat Step 1 with the other half-piece of chalk and pour that powder into the other cup.
3. In one cup, add a little water and stir until most of the chalk looks like it has colored the water. In the other cup, add a little mineral oil and stir until most of the chalk has colored the oil. How does the paint in the two cups compare? Which one is darker? Which one is thicker? Are there any other differences?
4. Take a piece of waxed paper and use a paintbrush to paint your name using the water and chalk paint. Now use a different paintbrush to paint your name using the oil and chalk paint. Which one works better?

People really do need different paints for different jobs. Paints mixed in water are called **water-based** paints, and paints mixed in oil are called **oil-based** paints. Each one is good for its own job because the chemicals in oil and water can stick well to certain surfaces but not to others!

You may notice that your oil-based paint doesn't dry! That's okay, because special chemicals are added to store-bought oil-based paints to make them dry!

Excerpt: "The Best of WonderScience," pg. 64, 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*.

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)



The 2nd Annual SABPA Frontiers in Therapeutics and Diagnostics (FTD) Forum

SABPA is excited to bring you the 2nd Frontiers in Therapeutics and Diagnostics (FTD) Forum. This forum will cover three hot topics, including liquid biopsy, gene editing and artificial intelligence. We are honored to have high-caliber speakers to share with us the latest breakthroughs and their visions in these fields. There will be two panel discussions focusing respectively on liquid biopsy and gene editing. Audience will have the great opportunities to ask questions, share ideas, learn from the experts, as well as to network with their peers. Please visit <http://www.sabpa.org/2017/12/the-2nd-annual-sabpa-frontiers-in-therapeutics-and-diagnostics-ftd-forum/> for more details to come.

Program Highlights

- Game-changing liquid biopsy assays for early cancer diagnostics
- Applications of gene editing in target identification and drug screening
- Development of cutting-edge gene therapies using CRISPR technology
- Liquid biopsy in drug development and patient care
- Showcase of success stories of artificial intelligence in disease diagnostics
- Applications of artificial intelligence in addressing unmet medical needs



Helmy Eltoukhy
CEO
Guardant Health



Alex Aravanis
Head of R&D
Grail



Michael White
VP, CSO
Pfizer Oncology R&D



Tony Ho
Head of R&D
CRISPR Therapeutics



Wendy Winckler
Executive Director
Novartis



Xiaohui Xie
Professor
UC Irvine

Do not miss the early bird registration by January 31, 2018!
Register at <http://www.sabpa.org/registration-2/> or scan QR code





The 2nd Annual SABPA Frontiers in Therapeutics and Diagnostics (FTD) Forum

Program Agenda

| | |
|---------------|--|
| 8:20 - 8:45 | Registration and Network |
| 8:45 - 8:50 | SABPA Opening Remarks, Stephanie Shi , Ph.D., President SABPA |
| 8:50 - 9:00 | FTD Opening Remarks, Hua Gong , Ph.D., Chair FTD committee |
| 9:00 - 9:30 | Presentation, Alex Aravanis , Ph.D., Head of R&D, Grail |
| 9:30 - 10:00 | Presentation, Helmy Eltoukhy , Ph.D., CEO, Guardant health |
| 10:00 - 10:30 | Presentation, Wendy Winckler , Ph.D., Executive Director, Novartis, "Biomarkers of Response and Resistance in the Circulation" |
| 10:30 - 11:00 | Coffee Break |
| 11:00 - 12:10 | Panel discussion, "Liquid biopsy new development in Oncology diagnostics" Lyle Arnold , Ph.D., CSO, Biocept Dongliang Ge , Ph.D., CEO, Apostle Inc Hatim Husain , MD, Assistant Professor of Medicine, Moores Cancer Center, UCSD Shidong Jia , Ph.D., CEO, PREDICINE, Traci Pawlowski , Ph.D., Senior Director Product Development, Oncology at Illumina |
| 12:10 - 1:30 | Lunch Break |
| 1:30 - 2:00 | Presentation, Xiaohui Xie , Ph.D., Professor, UC Irvine, "Deep Learning in Genomics and Medicine" |
| 2:00 - 2:30 | Presentation, Michael White , Ph.D., VP, CSO, Pfizer Oncology R&D |
| 2:30 - 3:00 | Presentation Tony Ho , Ph.D., Head of Research and Development, CRISPR Therapeutics, "Bring CRISPR to the Clinic" |
| 3:00 - 3:30 | Coffee Break |
| 3:30 - 4:40 | Panel discussion, "Gene editing" . Moderator: Lawrence Lum , Ph.D. Patrick D. Hsu , Ph.D., Principal Investigator, Salk Institute Lawrence Lum , Ph.D., Director, Cancer Systems Therapeutics, Pfizer Oncology R&D Prashant Mali , Ph.D., Assistant Professor, Synthetic Biology, UCSD Prasun Mishra , Ph.D., CEO, Agility Pharmaceuticals Marco Weinberg , Ph.D., Research fellow, Vertex Pharmaceuticals |
| 4:40 - 5:00 | Closing Remarks |
| 5:00 - 6:00 | Cocktail hours |

**SUMMARY OF THE SAN DIEGO SECTION
EXECUTIVE COMMITTEE MEETING MINUTES
January 4, 2018**

Holiday Party – Great event and enjoyable venue

Treasurer's Report – \$15K deficit for 2017 (but dues from National ~\$7K less than expected and working to resolve the disparity), we didn't use money allocated for Website improvements, ChemExpo cost somewhat more than previous years, discrepancy on Project SEED funds and expenses, event admissions \$2K short, \$4K less in sponsorships than projected in the budget); expenses since last meeting: holiday party; Vanguard fund up \$44K in past 12 mo.

Draft 2018 budget – Requested budget projections from committees / event organizers, reduced budget for Website development, removed funding for Analytical Symposium

Feb. Monthly (JSB) – Jyllian Kemsley (C&EN Executive Editor), 5 p.m. meeting start to accommodate the speaker's travel schedule

San Diego Festival of Science and Engineering Expo – Joanne Um (SWC) has agreed to organize activity

Project SEED – Drafting letter soliciting interested faculty mentors for the upcoming summer (mentors need to pick potential research topic)

ACS Fellows – Candidates need documentation regarding contribution to science and contribution to ACS organization; candidates need three support letters

Earth Fair – Quang (UCSD) willing to organize students for booth

ExComm Openings – Need Nominations Committee chair to prepare for 2018 elections

Action: need to revitalize Membership Committee to involve new members

Goals for the year – Emphasize small biotech firms

Next meeting: Feb. 1, 2018



inChemistry magazine, the information hub for student members, is now online! Visit inchemistry.acs.org for articles, videos, and infographics on professional development, grad school, careers, ACS student chapter activities, and much more.



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.

A two-month ad costs only \$80.00!

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

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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.

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>

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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 |

Analytical Chemistry Problems?

- Method Development, R&D and Forensic Analysis-security clearance eligible
- Qualitative and Quantitative Analysis using GC, LC, IR, MS, MS/MS, etc.
- Professor of Analytical Chemistry with 43 years industrial and academic experience

(619) 518-5304



Science is simply common sense at its best that is, rigidly accurate in observation, and merciless to fallacy in logic.

- Thomas Henry Huxley

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 Elliott

gelliott@palomar.edu

858-531-1149

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

San Diego State University

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YOUR AD HERE!

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THE SAN DIEGO CHEMIST

For information contact:

Renate Valois - renate@sandiegoacs.org

UPCOMING EVENTS

BEYOND THE BENCH: A CAREER IN SCIENCE WRITING

JYLLIAN KEMSLEY, C&EN Executive Editor

Wednesday February, 21, 2018

Natural Sciences Building Auditorium, UCSD campus

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

SENIORS/RETIREES/CONSULTANTS/ETC. BREAKFAST

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

University City

Thursday, April 12, 2018, at 9:30 AM

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**

Amber Bancroft
Eleanor Castracane
John Connell
Karl Davis
Anahid Foroughshafiei
Alexander Garcia
Michael Goldfeld
Natasha Gunawan
Tom Huxford
Laure Kayser
Alexander Kintzer
Roberto Leon Baxin

Julia Martinet
Kathryn Mayer
Rachel McAllister
Bruno Melillo
Genesis Moran Gonzalez
Tse Nga Ng
Megan Raduazzo
Heriberto Rivera
Ananda Seneviratne
Andrew Wang
Thomas Watts
Jing Zhao

**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, gfreestone@sandiegoacs.org | (2018) | 858-539-6363 |

Councilors

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

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

Communications Committee

| | |
|--|--------------|
| Paul Bruinsma, (Chair), HP Inc. | 858-655-8322 |
| Surya K. De, Plex Pharmaceuticals, Inc. | 858-337-4961 |
| Desiree Grubisha, Halozyme Therapeutics | 858-254-5497 |
| Ken Poggenburg | 760-635-2573 |
| Renate Valois (Newsletter Editor) | 619-692-0638 |
| David Wallace, Wallace Scientific Consulting | 858-638-1866 |

Distinguished Scientist Awards Nomination Committee

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

Education Committee

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

EarthFair

OPEN

Finance Committee

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

Fundraising Committee

| | |
|------------------------|--------------|
| Ashkan Tafti, Catalent | 619-395-6412 |
|------------------------|--------------|

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 |
|---------------------------------|--------------|

Mad Science Program

| | |
|-------------------|--------------|
| Thomas R. Beattie | 858-587-1210 |
|-------------------|--------------|

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

OPEN

Nominations Committee

OPEN

Picnic Committee

| | |
|---------------------------|--------------|
| Jim Shih, Eli Lilly & Co. | 626-826-3561 |
|---------------------------|--------------|

Professional Development Committee

| | |
|--------------|--------------|
| Valerie Kuck | 973-744-5510 |
|--------------|--------------|

Public Relations Committee

| | |
|----------------|--------------|
| John Schindler | 858-353-3943 |
|----------------|--------------|

Senior Chemists Committee

| | |
|------------------------|--------------|
| Ken Poggenburg (Chair) | 760-635-2573 |
|------------------------|--------------|

Seniors Breakfasts

| | |
|-------------------|--------------|
| Thomas R. Beattie | 858-587-1210 |
|-------------------|--------------|

Women Chemists Committee

| | |
|--------------|--------------|
| Valerie Kuck | 973-744-5510 |
|--------------|--------------|

Younger Chemists Committee

| | |
|------------|--------------|
| Bryce Timm | 512-545-9287 |
|------------|--------------|

Voice Mail – San Diego Section

619-687-5570