

## *Drug-Target Engagement in Live Cells*

***Lyn Jones, Ph.D.***

***Jnana Therapeutics (VP, Chemical Biology), Boston, MA***

**DATE:** Wednesday, May 31, 2017

**TIME:** 6:00 PM Social Hour, Light Meal  
7:00 PM Lecture

**PLACE:** W.M. Keck Foundation Amphitheater  
The Scripps Research Institute  
10650 N Torrey Pines Rd, La Jolla, CA 92037

**RSVP:** By Friday, May 26, 2017  
<https://lyn-jones.eventbrite.com>



### **ABOUT THE SPEAKER:**

Lyn Jones completed PhD studies in synthetic organic chemistry at the University of Nottingham before starting his postdoctorate research at The Scripps Research Institute, California, in the area of chemical biology. He then joined Pfizer in Sandwich, UK as a medicinal chemistry team leader and in 2011 he transferred to Cambridge, Massachusetts, to become head of chemistry for rare disease research and to lead a chemical biology group. He is a Fellow of the Royal Society of Chemistry and the Royal Society of Biology and is an author or inventor on over 100 publications and patents. His research is focused on the discovery of new therapies driven by scientific advances at the interface of chemistry and biology.

### **ABOUT THE PRESENTATION:**

Proof of drug-target engagement is a key pillar of successful target validation and drug discovery research. I will present recent progress in the development of chemical and biophysical technologies that enable the measurement of potency and selectivity in live cells. Therapeutic opportunities for downregulating kinase targets will also be described.

**Sponsor:**



### CHAIR NOTES

Dear ACS Members,

This year has seen significant change in the world, on the global and national levels. At the SDACS, our mission continues unchanged: promote science in San Diego, for the benefit of our members, and for the benefit of our region. Toward that end, I'll recap recent happenings in our Local Section:

On April 10, our Section hosted the Third West Coast Analytical Chemistry Symposium at Dart NeuroScience. By all accounts, it was a very successful day. Many thanks to the organizers, speakers, and sponsors! Our very own **Julann Miller** and **Graeme Freestone** were among the key group responsible for producing this outstanding event!

On April 22, San Diego hosted its very own March for Science. At the national level, ACS joined many other organizations in support of this cause, and you should know that your Local Section supported the San Diego March for Science. Our region thrives because of strong support for scientific research, and we all need to do our part to ensure that this preeminence will continue long into the future.

April 22 also marked Earth Day. This annual phenomenon was celebrated with outreach events at Balboa Park and at UCSD. Informational booths and demo tents abounded, all with the central aim of elevating public knowledge of and appreciation for Earth, and our role as stewards of its resources. Special thanks to **Quang Nguyen** at UCSD for his leadership efforts for Earth Day!

On April 23, fifteen local high school students took the Chemistry Olympiad National Exam. Based on their performance, one or more of these students may advance to the next level of competition, with the goal of representing the United States in the International Chemistry Olympiad. Special thanks go to **Joan Schellinger** at the University of San Diego for organizing and hosting!

On April 24, a networking event was held at White Labs. This was exciting for many reasons, including the fact that it represents new partnership between SDACS and UCSD's Society for Women in Graduate Studies (SWIGS). We anticipate more to come from this fruitful partnership during 2017. Special thanks go to **Joey Palomba** of SWIGS for helping kickstart this partnership!

Turning to May, there are two events I wish to put on your radar:

May 11 - The Southern California Pharmaceutical Discussion Group (SCPDG) in collaboration with SDACS is hosting **David A. Tisi** (Technical Director, Senopsys) at Knobbe Martens for his seminar entitled "Development Strategies for Age-Appropriate Pediatric Drug Products." Register at <http://scpdgmay2017.eventbrite.com>

May 31 - **Lyn Jones** (VP Chemical Biology, Jnana Therapeutics) will deliver a seminar entitled "Drug-Target Engagement in Live Cells" at The Scripps Research Institute. Register at <https://lyn-jones.eventbrite.com>

As always, you are welcome to join us - in person or remotely - at our next Executive Committee Meeting on Tuesday, May 2. Get involved and make your membership in the San Diego Local Section of the ACS a rewarding experience!

Jonathan W. Lockner, Ph.D.  
2017 Chair, San Diego Section  
American Chemical Society  
Email: [jlockner@sandiegoacs.org](mailto:jlockner@sandiegoacs.org)  
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 2017 Chair, Jonathan Lockner, at [jlockner@sandiegoacs.org](mailto:jlockner@sandiegoacs.org). Once approved, Jonathan 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 potential customers 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, [renate@sandiegoacs.org](mailto:renate@sandiegoacs.org)

**THE SAN DIEGO CHEMIST**, the official newsletter of the San Diego Section of the American Chemical Society, published on a monthly basis, can be viewed at <http://www.sandiegoacs.org/newsletter/>.

All contents are published at the discretion of the Section's Executive Committee. Events of interest to chemistry professionals in the community may be included in the events calendar as space permits and are subject to editing for brevity. Advertisements and announcements from the chemistry community are accepted at published rates. The deadline for items submitted is **the 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 Date 2017

6:00 - 8:00 pm

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

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 4<sup>th</sup> and 5<sup>th</sup> 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 Jonathan Lockner at [jlockner@sandiegoacs.org](mailto:jlockner@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:

**Jonathan Lockner**  
**2017 Chair**  
**San Diego Section of the American Chemical Society**  
**[jlockner@sandiegoacs.org](mailto:jlockner@sandiegoacs.org)**

### ***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>

### ***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. 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>

## ACS - WEST COAST ANALYTICAL CHEMISTRY SYMPOSIUM

The Local Section of the ACS held the Analytical Symposium for its third time at Dart NeuroScience on April 10, 2017. There were nine speaker presentations and a lively discussion of current and future trends in Analytical Chemistry. Six posters gave opportunities to present current research and to interact with like-minded scientists within the San Diego Community.

Thank you to our volunteers, our host Dart NeuroScience, and our generous sponsors. Sponsors contributed door prizes that were raffled off throughout the day. We awarded the best poster prize to **Grant Varnau** of SDSU.

### Speakers :

Jason Ewanicki	Pfizer
Pieter Dorrestein	UCSD
William Tong	SDSU
Ole Gron	Vertex Pharmaceuticals
Jennifer Mouton	Dart NeuroScience
Tom Hollenbeck	The Genomics Institute of the Novartis Research Foundation
Leonard Kaljevic	Vertex Pharmaceuticals
Christine Pinnkathok	Illumina
Dan Kassell	SciAnalytical Strategies, Inc.

### Posters:

Scott Holland	Vertex
Jenn Ford	Vertex
Jie Liang, Jean S. Pradel and William G. Tong	San Diego State University
Grant Varnau, Jean S. Pradel, Alex Jackson and William G. Tong	San Diego State University
Filippo Venturini, Alex Jackson and William G. Tong	San Diego State University
Jim Shih	Lilly San Diego



Jonathan Lockner - 2017 SDACS Chair



Symposium audience



Organizing Committee: (l to r) Chris DeVore, Julann Miller, Bill Farrell, Graeme Freestone, Christine Aurigemma, Gerard Rosse



## **2017 American Chemical Society - SDSU Distinguished Alumni Seminar**



**Jordan Evans**  
**Deputy Director of Engineering and Science**  
**NASA Jet Propulsion Laboratory**

On Thursday, April 20, 2017, the 5<sup>th</sup> Annual San Diego ACS/SDSU Chemistry Department SDSU Distinguished Alumni Seminar was presented. Jordan Evans, Deputy Director of Engineering and Science at the NASA Jet Propulsion Lab (JPL) at Caltech, was the featured speaker.

Jordan led the effort for the Mars Science Lab Curiosity Project, which launched from Cape Canaveral in November 2011, through the challenges of design, assembly, testing and ultimately through early operations on the surface of Mars. He shared with the group his impressions and experiences during his 7 years as project leader for that project. In his presentation he stressed the surprises and details of doing a complex project involving many, many unknowns. For example, the damage to the rover's tires, caused by the extremely abrasive surface conditions, was highly unexpected.

In July 2020, NASA plans to send another rover to the Mars surface to collect samples of the Martian terrain for later return to Earth for study, and Jordan is again leading this project. This new rover builds on the discoveries and lessons learned so far from the first rover. These are being incorporated into the new scientific instrument suite and mission enhancements for this exciting new mission to the red planet.

For his work at the NASA JPL Caltech lab, Jordan received the NASA Outstanding Leadership Medal, one of our nation's highest civilian honors. If you missed his excellent presentation, you can read about the Curiosity rover mission at [https://en.wikipedia.org/wiki/Curiosity\\_\(rover\)](https://en.wikipedia.org/wiki/Curiosity_(rover)), which is an expansive and highly detailed description of the Curiosity mission.

To see more on Jordan Evans please visit:

<https://mars.nasa.gov/people/info.cfm?id=9133>



Text: Tom Beattie



**THE SOUTHERN CALIFORNIA PHARMACEUTICAL DISCUSSION GROUP (SCPDG) OF AAPS ANNOUNCES  
A JOINT MEETING WITH THE SAN DIEGO SECTION OF ACS**

**Development Strategies for Age-Appropriate Pediatric Drug Products**

**Presented by**

**David A. Tisi, MS, Technical Director, Senopsys LLC**

**When:** Thursday, May 11, 2017, at 6:00 PM

**Where:** Knobbe Martens, Intellectual Property Law; Da Vinci Conference Room  
12790 El Camino Real, El Camino Real, San Diego 92130

**Agenda:** 6:00 PM Check-in and Networking, 6:30-7:15 PM Dinner, 7:15-8:30 PM Presentation and Discussion

**Registration:** **Please register by May 8, 2017 at <http://scpdgmay2017.eventbrite.com>**

**Attendance is by pre-registration only – no walk-ins please.  
Registration fee includes dinner, parking and presentation.**

Working Professional (includes consultants) - \$40

Working Professional/AAPS/ACS member-\$35

Student (full-time)/ Retired/ Unemployed (no consultants) - \$15

**Meeting Sponsor:**



**Abstract:** Regulations in the United States and European Union are stimulating research into the development of drug products specifically labeled for pediatric dosing. The development of palatable oral formulations is important to dosing compliance, particularly for children. Many active pharmaceutical ingredients (APIs) are known to be bitter or have other undesirable sensory attributes including smell or trigeminal irritation. In addition, excipients used to increase drug solubility or for preservation, for example, are known to create or exacerbate the taste masking challenge. This presentation will provide an overview of the tools that are available to enable the development of palatable drug products, whether for children, adults or special needs patients. The topics include:

- Anatomy and physiology of taste and smell
- Sensory analysis methods
- Quantitative taste assessment tools
- Fundamentals of taste masking
- Formulation strategies for optimizing the palatability of drug products
- Requirements for human taste evaluation of drug products

Case examples and demonstrations will be used to illustrate key principles of taste assessment and optimization of drug products.

**Biography:** David Tisi leads the pharmaceutical taste assessment and taste masking operations at Senopsys LLC. David has spent his career at the intersection of food and pharmaceutical technology and is skilled in the art and science of taste masking with 15 years of experience developing palatable formulations, including investigational and approved drugs across a diverse range of indications and dosage forms. His expertise includes sensory analysis, taste modulation, flavor construction, and processing technology. David received an MS in Food Science from Cornell University and worked as a formulator for PepsiCo and Nestle, later joining Senopsys founder Jeff Worthington at Arthur D. Little's successor firm, TIAX, applying food science approaches to the unique challenges of pharmaceuticals. David is a member of the American Association of Pharmaceutical Scientists and the Institute of Food Technologists, and has several patents issued and pending relating to improving palatability of food and drug products.

Link to Google Maps: [Knobbe Martens Intellectual Property Law](#)

**Past presentations can be found on our web page at the below link:**

[http://www.aaps.org/Southern\\_California\\_Pharmaceutical/](http://www.aaps.org/Southern_California_Pharmaceutical/)

**Social Media Links:**

<https://www.facebook.com/scpdg.aaps>

[http://www.linkedin.com/groups/AAPS-Southern-California-Pharmaceutical-discussion-6601347?trk=my\\_groups-b-grp-v](http://www.linkedin.com/groups/AAPS-Southern-California-Pharmaceutical-discussion-6601347?trk=my_groups-b-grp-v)

[https://twitter.com/aaps\\_scpdg](https://twitter.com/aaps_scpdg)



# Family Picnic

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

**DATE:** Sunday, June 25, 2017

**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-betweensters, 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 Wednesday, June 21<sup>st</sup>, by registering at <http://sdacs2017picnic.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.



**Chef Jim Shih**

- **Younger Chemists:** Schmooze and network! Invite your friends! Make it WORK for you!
- **Women Chemists:** Meet and greet! Make this event a "Meeting Within a Meeting"! Share your ideas!

**Volunteers Needed for Morning Setup!**

Please contact Jim Shih to sign up: tel. 626-826-3561  
e-mail: [jimshih@earthlink.net](mailto:jimshih@earthlink.net)



**SYMPOSIUM ON ORGANIC SYNTHESIS AND CHEMICAL BIOLOGY  
AT THE UNIVERSITY OF SAN DIEGO**

**May 2, 2017, 1:30-5:30 PM**

The University of San Diego is hosting a symposium sponsored by *Organic Syntheses* and the University of San Diego on May 2 from 1:30-5:30 PM. The symposium is free to attend and open to the chemical community in San Diego. The keynote speakers for the event are Richmond Sarpong (Berkeley) and Cynthia Burrows (Utah). The full schedule is listed below.

- 1:30-2:30 Cynthia Burrows (Utah)  
*Free Radical Damage to DNA: the Good, the Bad, and the Unexpected*
- 2:30-3:00 Katherine Maloney (Point Loma Nazarene)  
*Defending the Grapevines: Natural Product Inhibitors of Pierce's Disease from Endophytic Fungi*
- 3:00-4:00 Intermission with refreshments and poster session
- 4:00-4:30 Jeremy Kua (USD)  
*Constructing Energy Maps to Explore the Prebiotic Chemical Soup*
- 4:30-5:30 Richmond Sarpong (Berkeley)  
*Strategies and Methods for Chemical Synthesis Inspired by Natural Products*

Free parking is available on-campus. A map and instructions can be found at:

<http://www.sandiego.edu/cas/chemistry/resources/Organic%20Syntheses%20Symposium/organic-syntheses-symposium-parking.pdf>

Limited reserved parking near the venue is also available for faculty and distinguished guests. Please e-mail Tim Clark ([clarkt@sandiego.edu](mailto:clarkt@sandiego.edu)) by April 27<sup>th</sup> to reserve one of these spots (first come, first served).

For additional details on the symposium, visit:

<http://www.sandiego.edu/cas/chemistry/resources/Organic%20Syntheses%20Symposium/symposium-introduction-s17.pdf>

**Symposium Sponsor: Organic Syntheses, Inc., visit us at [orgsyn.org/](http://orgsyn.org/).**





Organized by

**Dr. Ben Pratt, Dr. Mark Tichenor, Dr. David Wallace - San Diego Section of the American Chemical Society**  
**Dr. Emmanuel Theodorakis - UCSD Department of Chemistry and Biochemistry**

**Dr. Pei-Pei Kung, Pfizer**

“Use of Ligand- and Property-Based Design Strategies in Medicinal Chemistry.  
Identification of an EZH2 Inhibitor Development Candidate”

**Dr. Keary Engle, The Scripps Research Institute**

“Programmed Functionalization of Alkenes via Directed Nucleometalation”

**Dr. Justin Ernst, eFFECTOR Therapeutics**

“Identification of eFT508, an Oral, Potent and Highly Selective Inhibitor of Mitogen-Activated Protein Kinase Interacting Kinase (MNK) 1 and 2, via a Disciplined, Iterative Structure-Based Drug Design Strategy”

**Dr. Yitzhak Tor, University of California San Diego**

“New Isomorphic Fluorescent Nucleosides for Biophysical and MedChem Applications”

**Jeff Smith, The Genomics Institute of the Novartis Research Foundation**

“Proteasome Inhibitors: A Single Cure for Multiple Kinetoplastid Diseases”

**Dr. Laurent Gomez, Dart NeuroScience**

“Discovery of Selective Phosphodiesterase 2 (PDE2a) Inhibitors for the Treatment of Memory Disorders”

To register please visit:

<http://chemistry.ucsd.edu/go/medchem>

follow the link to the registration page.

Register online by Friday, July 7, and food will be provided



**SUMMARY OF THE SAN DIEGO SECTION  
EXECUTIVE COMMITTEE MEETING MINUTES  
April 11, 2017**

Treasurer's Report – Income since last month: received annual National member allotment of \$18,937.77 and Local Section dues of \$8290; received additional sponsorships for West Coast Analytical Symposium of \$5750; expenses for the month were ~\$4000, with the Analytical Symposium coming in \$750 under budget at \$3260; food for meetings total \$1100, a running rate about twice the budget; maturing CD was rolled over into a new one year CD with the interest earned deposited into checking, now standing at ~ \$29K. Total Section assets as of 4/11/2017 are ~ \$374,678. After a brief discussion it was decided to leave the current voluntary Local Section dues at \$10.

Joint SABPA/ACS Chemistry Symposium – will not be held this year; need to formalize \$ sharing and responsibilities; committee will be reorganized at a May lunch including Jonathan Lockner, Chair, Jennifer Barber-Singh (Chair-Elect), David Wallace and potential symposium Co-chair Scott Sutter of Pfizer.

Greater San Diego Science & Engineering Fair – thanks for help of 11 judges; names of 1<sup>st</sup> and 2<sup>nd</sup> senior winners and 1<sup>st</sup>, 2<sup>nd</sup> and two 3<sup>rd</sup> place junior winners were published in the newsletter; Jonathan Lockner wrote congratulatory letter to include certificates and monetary awards which were doubled this year over past awards: \$100, \$70 and \$50, respectively.

Chemistry Olympiad – Joan Schellinger administered the local exam at USD and selected the top 15 students to compete at the next level. Valerie Kuck got copies of the periodic table and an issue of *Chem Matters* to hand out to the contestants.

San Francisco Meeting Highlights – Record attendance of 18,850 with 6,914 students; 12/31 membership was 156,129, 0.5% less than 2015, but international members increased. Society finances strengthened in 2016, with a net gain from operations of \$23.8 million, \$7.2 million greater than the gain in 2015. Council action included selecting two candidates for President-Elect for 2018 to be voted in the fall: Bonnie Charpentier and Willie May. Our District VI will also vote for a Board Director from candidates Rita Boggs and Paul Jagodzinski.

ACS Fellows – Nominations completed for 5 members with full documentation by the deadline.

Project SEED – Mentor at USD was not funded by ACS; Valerie Kuck will investigate with contact at National; TSRI is still a problem and has raised a "minimum wage" issue which does not apply; Valerie Kuck will try to resolve.

Analytical Symposium – Held at Dart with 135 tickets sold; 85-90% attendance; 9 speakers, 6 posters & 11 vendors; net profit; thanks to Julann Miller.

SDSU meeting 4/20 – Joint sponsorship with Bill Tong, celebrating SDSU alumni contributions to space program with presentation by Jordan Evans, Deputy Director JPL, on the Mars *Curiosity Mission*.

March for Science – The Society has officially endorsed the march on 4/22; our Local Section voted \$500 in support of the San Diego march to have our logo on the sponsor page by a vote of 13 for and 1 opposed.

Earth Day – Quang Nguyen reported on the UCSD Student Chapter plans for CCED on campus on 4/22; he did not believe he could assume a role as CCED Coordinator for our Section at this time; the club will participate in the Earth Fair at Balboa Park on 4/23.

SWIGS-SDACS event on 4/24 – Joey Palomba reported on the planned Young Chemist Meet-up at the White Labs Tasting Room between the Younger Chemists and the Society for Women in Graduate Studies in Chemistry and Biochemistry at UC San Diego.

AAPS-SDACS event on 5/11 – Julann Miller has made arrangements for this event at Knobbe Martens and they will take care of refreshments and registration.

Lyn Jones seminar on 5/31 – Keck Auditorium at TSRI; now live on Eventbrite.

Summer Picnic – Arrangements made for Sunday, June 25, 2017 at San Dieguito County Park, Solana Beach; will solicit additional help with cooking, beverage, games, etc.

YCC event July 5 – Meeting being arranged with Rep. Scott Peters.

MedChem Symposium – July 14; Speakers lined up; UCSD will handle registrations.

50/60 Year Member Luncheon – Tom Ham's on Tuesday, 7/18; Tom Beattie pointed out that this year certificates will acknowledge 70-year members also; we have one in San Diego.

Miscellaneous – Jonathan touched on continued need to fill committee vacancies, his plans for a Section Manual describing position duties, and the need for Councilors and Alternates to submit their Committee Preferences Form and update the Yellow Book.

Next meeting: May 2, 2017

## **CHEMPLOYMENT 789**

### **Position Title:**

Chemistry Department Instructor/Lab Manager

### **Job Description:**

The Department of Chemistry at Point Loma Nazarene University (PLNU) is seeking candidates for a full-time, lab manager and instructor to provide laboratory management and teaching support to the Department of Chemistry.

### **Qualifications Desired:**

Bachelor's degree in Chemistry, Biochemistry, or closely-related field required; Master's degree preferred; and teaching and lab experience desirable. Familiarity with laboratory equipment; procedures and techniques; and applicable health and safety practices.

### **Description of Company:**

Point Loma Nazarene University is a private, Christian, liberal arts university in the Wesleyan tradition. We also offer a number of pre-professional programs such as nursing, dietetics, and applied health science. The campus is located on the narrow Point Loma peninsula that separates the San Diego Bay and Pacific Ocean. There are approximately 2400 undergraduates enrolled at the university, most of whom reside on campus. The college was founded in 1902 and in 1973 moved from Pasadena to its current location.

The Department of Chemistry has six full-time faculty members, a strong commitment to quality teaching, and a longstanding tradition of undergraduate research, which includes a well-supported summer research program. We have just moved into a new state-of-the-art laboratory facility with committed space for teaching and research. The department offers B.S. degrees in Chemistry, Biology-Chemistry, and Environmental Science. The latter two degrees are offered in cooperation with the Biology Department.

More detailed job responsibilities, qualifications, and link to apply can be found on the following website:

[https://pointloma.wd1.myworkdayjobs.com/en-US/PLNUCareers/job/San-Diego---Point-Loma/Chemistry-Department-Instructor-Lab-Manager\\_R0000860-1](https://pointloma.wd1.myworkdayjobs.com/en-US/PLNUCareers/job/San-Diego---Point-Loma/Chemistry-Department-Instructor-Lab-Manager_R0000860-1)

## **CHEMISTRY FOR YOU AND YOUR KIDS**

### **MAKING AN INCREDIBLOB!**

You can use chemistry in the following activity to make your own plastic ball.

#### **You will need**

Eye protection • paper towels • measuring spoons • Elmer's® white liquid glue • Epsom salt • water • plastic spoon • 2 small paper or plastic cups • wax paper • metric ruler

1. Cover your work surface with a double layer of paper towels. In a small cup, place 1 tablespoon of Elmer's® glue.
2. In a separate small cup, add 1/2 teaspoon of Epsom salt and 1/2 teaspoon of water. Swirl the cup until no more Epsom salt will dissolve. (There may be a little Epsom salt left at the bottom of the cup).
3. Pour all the contents from the Epsom salt cup into the glue cup and stir. What do you notice happening to your mixture? What does your mixture look like?
4. Scoop the mixture out onto a double thickness of paper towels. Fold the towels over the mixture and press down to absorb the extra water.
5. Pick up your plastic and form it into a long roll. Measure it to see how long you can make it without breaking. (Try to work quickly because your plastic material will dry out as you use it).
6. Form your plastic into a ball and press it down on a piece of wax paper until it is like a pancake. Measure the diameter of the pancake to see how large you can make it and still be able to lift it off the wax paper in one piece.
7. Form it back into a ball and try bouncing it off a hard clean surface. Congratulations on creating an incredible incrediblob incrediball!

Excerpt: "WonderScience" from the ACS 1991, vol. 5(8)



## **LOOKING FOR A CHEMIST?**

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For information contact: **Renate Valois** - [renate@sandiegoacs.org](mailto:renate@sandiegoacs.org)

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## 2017 ACS REGIONAL MEETINGS

<a href="#">Middle Atlantic (MARM)</a>	June 4 - 6	Hershey, PA
<a href="#">Central (CERM)</a>	June 6 - 10	Dearborn MI
<a href="#">Northwest (NORM)</a>	June 25 - 28	Corvallis, OR
<a href="#">Great Lakes (GLRM)</a>	June 27 - 30	Fargo, ND
<a href="#">Midwest (MWRM)</a>	October 18 - 20	Lawrence, KS
<a href="#">Rocky Mountain (RMRM)</a>	October 25 - 28	Loveland, CO
<a href="#">Southwest (SWRM)</a>	October 29 - November 1	Lubbock, TX
<a href="#">Southeastern (SERMACS)</a>	November 7 - 11	Charlotte, NC



## ACS PUBLICATIONS LAUNCHES MOBILE-OPTIMIZED WEB PLATFORM

ACS Publications has introduced **ACS2Go**, [pubs.acs.org/acs2go](http://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](http://pubs.acs.org) on a tablet or smartphone. Please see for more information: [pubs.acs.org/acs2go](http://pubs.acs.org/acs2go).

## ACS Webinars™

For upcoming Webinars in May see:

<http://www.acs.org/content/acs/en/acs-webinars.html>



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## American Chemical Society 253<sup>rd</sup> ACS National Meeting San Francisco, CA April 2 - 6, 2017

### Councilor Talking Points:

### Summary of Governance Issues and Actions

The following summary is provided to help Councilors report to their Local Sections and Divisions on key actions of the ACS Council meeting held April 5, and Board of Directors meetings held March 31 - April 2, at the 2017 Spring National Meeting in San Francisco, California.

Please see:

<https://www.acs.org/content/dam/acsorg/about/governance/councilors/councilor-talking-points-and-summary-of-governance-actions-san-francisco-2017.pdf>

## 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

### MiraCosta College

Linda Woods

[lwoods@miracosta.edu](mailto:lwoods@miracosta.edu)

760-757-2121 Ext. 6411

### Palomar College

Greg Elliot

[gelliott@palomar.edu](mailto:gelliott@palomar.edu)

858-531-1149

### 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

### San Diego State University

Mikael Bergdahl

[bergdahl@sciences.sdsu.edu](mailto:bergdahl@sciences.sdsu.edu)

619-594-5865

### Southwestern College, Chula Vista

David Hecht

[dhecht@swccd.edu](mailto:dhecht@swccd.edu)

619-421-6700x5461

### University of California, San Diego

Joe Cribari

[jcribari@ucsd.edu](mailto:jcribari@ucsd.edu)

858-822-4055

Gourisankar Ghosh

[gghosh@ucsd.edu](mailto:gghosh@ucsd.edu)

858-822-0469

Judy Kim

[judyk@ucsd.edu](mailto:judyk@ucsd.edu)

858-534-8080

### University of San Diego

Tammy Dwyer

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

## **UPCOMING EVENTS**

**THE SOUTHERN CALIFORNIA PHARMACEUTICAL DISCUSSION GROUP (SCPDG) OF AAPS  
A JOINT MEETING WITH THE SAN DIEGO SECTION OF THE ACS  
Development Strategies for Age-Appropriate Pediatric Drug Products  
Presented by David A. Tisi, MS, Technical Director, Senopsys LLC  
Knobbe Martens, Intellectual Property Law; Da Vinci Conference Room  
12790 El Camino Real, El Camino Real, San Diego 92130  
Thursday, May 11, 2017**

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**LYN JONES, PHD  
Jnana Therapeutics (VP, Chemical Biology)  
W.M. Keck Foundation Amphitheater  
The Scripps Research Institute  
10650 N Torrey Pines Rd, La Jolla, CA 92037  
Wednesday, May 31, 2017**

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**SUMMER PICNIC  
San Dieguito County Park, Solana Beach  
Sunday, June 25, 2017**

\*\*\*\*\*

**SENIORS/RETIREES/CONSULTANTS/ETC. BREAKFAST  
Bristol Farms Café in the Costa Verde Shopping Center at Genesee Ave. and Nobel Drive  
University City  
Thursday, July 13, 2017, at 9:30 AM**

\*\*\*\*\*

**20<sup>TH</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 14, 2017**

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**FIFTY-/SIXTY-YEAR MEMBER LUNCHEON  
Tom Ham's Lighthouse, 2150 Harbor Island Drive, San Diego  
Tuesday, July 18, 2017**

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**254th ACS NATIONAL MEETING & EXPOSITION  
Washington, DC  
August 20-24, 2017**

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**CHEM EXPO  
Chemistry Rocks!  
San Diego Miramar College, 10440 Black Mountain Road, San Diego  
10440 Black Mountain Road, San Diego  
Saturday, October 28, 2017**

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**HOLIDAY PARTY  
Sufi Mediterranean Cuisine  
5915 Balboa Avenue, San Diego, CA 92111  
Thursday, December 7, 2017**

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

Shawn Anderson  
Zachary Beavis  
Ahanjit Bhattacharya  
Jerika Chiong  
Pad Chivukula  
Samantha Doyle  
Miguel Guerrero  
Ching-Hsin Huang  
Jianbo Huang  
Kathryn Kellett  
Carl Lemmon  
Jie Liang  
Tao Liu

Thomas Ly  
Atticus McCoy  
Donald Milton  
Ludovica Monti  
Steven Ortiz  
Shannon Pilcher  
Alexander Rose  
Lisa Thurn  
Sara Van Horne  
Dongyang Zhang

**2017 EXECUTIVE COMMITTEE & COMMITTEE MEMBERS  
SAN DIEGO SECTION OF THE AMERICAN CHEMICAL SOCIETY**

**EXECUTIVE COMMITTEE**

<i>Chair</i>	Jonathan Lockner, San Diego Miramar College, <a href="mailto:jlockner@sandiegoacs.org">jlockner@sandiegoacs.org</a>	(2017)	858-688-8143
<i>Chair-Elect</i>	Jennifer Barber-Singh, The Scripps Research Institute, <a href="mailto:jbsingh@sandiegoacs.org">jbsingh@sandiegoacs.org</a>	(2017)	858-869-7084
<i>Past-Chair</i>	Graeme Freestone, Dart NeuroScience LLC, <a href="mailto:gfreestone@sandiegoacs.org">gfreestone@sandiegoacs.org</a>	(2017)	858-246-8137
<i>Secretary</i>	William Tolley, Seacoast Science, Inc., <a href="mailto:w_tolley@juno.com">w_tolley@juno.com</a>	(2017)	858-780-0978
<i>Treasurer</i>	Graeme Freestone, Dart NeuroScience LLC, <a href="mailto:gfreestone@sandiegoacs.org">gfreestone@sandiegoacs.org</a>	(2017)	858-246-8137

**Councilors**

Thomas R. Beattie	(2018)	858-587-1210
Hui Cai, WuXi AppTec	(2019)	858-361-8838
Desiree Grubisha, Halozyme Therapeutics	(2018)	858-254-5497
John Palmer	(2017)	858-265-9198
Ken Poggenburg	(2019)	760-635-2573
David Wallace, Wallace Scientific Consulting	(2018)	858-638-1866

**Alternate Councilors**

Paul Bruinsma, HP Inc.	(2017)	858-655-8322
Surya K. De, Plex Pharmaceuticals, Inc.	(2019)	858-337-4961
Julann Miller, Waters Corporation	(2017)	800-252-4752 x6802
Ben Pratt, Allergan	(2019)	858-945-7893
John Schindler	(2019)	858-353-3943
Jim Shih, Eli Lilly & Co	(2017)	626-826-3561

**Members-at-Large**

James Caldwell	(2019)	815-262-9697
Ryan Clark, Inception Sciences, Inc.	(2017)	858-774-2095
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, Halozyme Therapeutics	858-254-5497
Ken Poggenburg	760-635-2573
David Wallace, Wallace Scientific Consulting	858-638-1866
Renate Valois (Newsletter Editor)	619-692-0638

**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**

**OPEN**

**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, The Scripps Research Institute	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**

**OPEN**

**Voice Mail – San Diego Section**

619-687-5570