



# The San Diego Chemist

American Chemical Society  
Volume 33, Number 1

San Diego Section  
January 2021



*We wish you and your family  
a happy and healthy New Year!*

### CHAIR NOTES

Dear ACS Members,

First and foremost, as the 2021 Chair of the San Diego Section of the American Chemical Society, I would like to extend my best wishes to everyone for a safe, happy, healthy and successful 2021. As we gradually emerge from the COVID-19 pandemic, we need to continue to apply the best practices to keep ourselves and those around us healthy and safe. I am humbled and honored to lead the Section in 2021 following the stellar examples of past chairs, including the 2020 Chair, **James T. Caldwell**, who successfully transitioned many of the Section activities from traditional social gatherings we all enjoyed and expected, to the novel (at the time) remote meetings via Zoom. This allowed Section events to continue while we practiced social distancing. I sincerely thank Dr. Caldwell for his leadership, dedication and hard work in the most uncertain and unusual times that was 2020. As the coda to the most unusual 2020, in lieu of a formal year-end meeting and holiday party, we had a business meeting via Zoom on December 3<sup>rd</sup>, 2020, where Dr. Caldwell presented his review of 2020 activities and I introduced myself and my vision for 2021.

In 2021, the leadership of the San Diego Section includes **Juan Gonzalez-Gonzalez**, (Chair-Elect), **William Tolley**, (Secretary), and **Desiree Grubisha**, (Treasurer). Congratulations to all for being elected to their respective positions. Along with the councilors, alternate councilors, members-at-large, and the committee chairs, this team of volunteers will strive to make 2021 an eventful year for the membership at SD-ACS. Our next Executive Committee Meeting will take place on **Thursday, January 7th. All members are welcome to attend** (please contact me at [jshih@sandiegoacs.org](mailto:jshih@sandiegoacs.org) to receive Zoom log-in details). Please join us to share your ideas, suggestions, and to volunteer in the Section. Volunteers are the source of inspiration and enable all the events for the Section. My theme for 2021 is "**Chemistry of Everyday Things**", as an addition to the traditional medicinal and organic chemistry, I would like to introduce the membership as well as the general public to the concept of chemistry being in everything we touch, use, and consume; from food and drinks to detergents to batteries and more, and to spark interest and curiosity.

To start 2021, due to a last-minute cancellation, in February we will have **Ajay Nirula, MD, PhD**, Vice President of Immunology at Eli Lilly & Co., to discuss the therapeutic landscape for COVID-19. Future seminars are being planned and will be announced as they are confirmed.

As it was in 2020, many of our traditional and favorite events, including Earth-Fair, Mad Science, Seniors Breakfasts, Family Picnic, 50-/60-/70-Year Member Luncheon, MedChem Symposium, National Chemistry Week/ChemExpo, Distinguished Scientist Award Banquet, and the Holiday Party, may have to be modified in accordance with the city, county and state health and safety regulations. Further details will be announced as we adapt to the ever-changing conditions.

In 2020, we also mourned the passing of our dear colleague, **John W. Schindler**, a longtime member of the Executive Committee, a past chair of the Section, and an esteemed chemist and professor. I am honored to have worked alongside **Dr. Schindler** in the Executive Committee over many years and learned from him.

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!

**James J. Shih**, 2021 Chair  
San Diego Section of the American Chemical Society  
E-mail: [jshih@sandiegoacs.org](mailto:jshih@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 2021 Chair, **Jim Shih**, at [jshih@sandiegoacs.org](mailto:jshih@sandiegoacs.org). Once approved, Jim 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!

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

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

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

Discounts will be available for issues not shown

Please send your jpg to:

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

### SECTION E-MAIL LISTSERVER!

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

To subscribe to our moderated listserver:

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

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

### Executive Committee Meeting Dates 2021

6:00 – 8:00 pm

Thursday	January	7
Thursday	February	4
Thursday	March	4
Thursday	April	1
Thursday	May	6
Thursday	June	3
Thursday	July	8
Thursday	August	5
Thursday	September	2
Thursday	October	7
Thursday	November	4

**Zoom Meetings until further notice**



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 in Balboa Park annually for the past 27 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.

#### **CALL FOR NOMINATIONS - ACS FELLOWS PROGRAM**

Are you aware of an American Chemical Society member who has made significant contributions to **both** the field of chemistry and to the Society? If the answer is affirmative, please nominate the person to become a Fellow of the American Chemical Society. This program was established to recognize the top 1-2% of the top scientists and volunteers in the ACS.

The nomination period for the 2021 Class of ACS Fellows opens on February 1, 2021 and closes at 11:59 PM 1 April 2021.

Information on preparing a nomination can be accessed at <https://www.acs.org/content/acs/en/funding-and-awards/fellows/nominations.html>.

If the volunteer work done by the nominee was performed on behalf of the San Diego Section, the chair or a designee from the executive committee familiar with the service or scientific work will be happy to write a nominating letter.

Please help the ACS in recognizing those individuals who have made a difference! For assistance in preparing the nomination packet please contact Valerie Kuck at [vikuck@yahoo.com](mailto:vikuck@yahoo.com).

#### **ACS-HACH PROGRAMS**

##### **ACS-Hach Professional Development Grant**

Funds professional development experiences for secondary chemistry teachers.

Award Amount: Up to \$1,500

**Application Period: Deadline: January 4, 2021**

##### **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 scheduled to open February 1, 2021**

##### **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 scheduled to open February 1, 2021**

**ACS-Hach High School Chemistry Classroom Grant** - grants of up to \$1,500 are available for high school chemistry teachers to use to cover basic classroom or laboratory needs, fund professional development experiences, or support innovative ideas in chemistry education.

**Application scheduled to open February 1, 2021**

About ACS-Hach Programs

The ACS-Hach Programs provide financial support for future and current high school chemistry teachers. [Learn more.](#)

Contact us: Email: [hach@acs.org](mailto:hach@acs.org) -- Phone: (800) 227-5558 ext. 8178

#### **CHEMISTRY JUDGES NEEDED**

**Virtual** judging by professional societies at the 67<sup>th</sup> Annual Greater San Diego Science & Engineering Fair will take place on **Tuesday, March 16<sup>th</sup>, TBA**. For more information, please contact **Ken Poggenburg** at [jkp135@att.net](mailto:jkp135@att.net)

#### **VOLUNTEERS NEEDED EARTH DAY - EARTHFAIR 2021**

**Sunday, April 25, 2021, Balboa Park • 10am - 5pm**

San Diego ACS volunteers will set up a table in the Children's Activity Area. This special area has crafts, games, face painting, storytelling, and hands-on activities for children of all ages. Activities are intended to educate, entertain and inspire youth, in the spirit of Earth Day.

Please contact **James Caldwell**, [jcaldwell@sandiegoacs.org](mailto:jcaldwell@sandiegoacs.org), to volunteer Sunday, April 25, 2021. We need 3-4 persons for each of the 3-4 hour shifts on April 19<sup>th</sup>. Please support us and share your care for our earth, chemistry education, and the San Diego ACS!

### IN MEMORIAM

We regret to announce the passing of San Diego Executive Committee member **Dr. John Schindler** on November 16, 2020. John served as our Section Chair in 1984 and was one of our longest participating Section members. Although he suffered in recent years from serious medical issues, he faithfully attended Executive Committee meetings, serving more recently as a Member-at-Large and Alternate Councilor. He received the Outstanding Committee Chair Award in 2016.

### MEET & GREET TO INTRODUCE THE YCC

On Wednesday, December 2<sup>nd</sup>, the San Diego Section of the ACS Younger Chemists Committee (YCC) held a virtual meet & greet to introduce the YCC to aspiring and active chemists throughout San Diego County. The event was hosted by the following panelists: **Alexander Rovira** (Scientist, Janssen) **Mariko Matsuura** (Scientist, Corteva), **Brittany Witherspoon** (Scientist, Janssen), **Kristen Counsell** (Researcher, Drawbridge), and **Christopher Fisher** (Science Communicator, CG Life).

During the event, members of the committee gave an overview of the ACS organization as well as the mission statement from San Diego's YCC. Attendees were also introduced to the goals of YCC as well as what future events they can expect from the committee. Specifically, the panelists shared how their career journeys have impacted their professional development and inspired the committee's goals towards positively impacting the future chemists of San Diego County through advocacy, professional development, and networking.

Over 40 attendees had the opportunity to engage with the panelists in discussion topics such as graduate school applications, job hunting, and networking. Audience participation, suggestions, and feedback contributed to the great success of this event and has inspired the YCC for 2021 event planning.

For YCC inquiries or membership interests, please contact the committee at [SanDiegoYCC@SanDiegoACS.org](mailto:SanDiegoYCC@SanDiegoACS.org). The committee is actively looking for representation from community colleges, undergraduate and graduate institutions, and industry; and they are looking forward to establishing future networking opportunities and collaborations with other organizations.

Text: Brittany Witherspoon

### LOOKING FOR VOLUNTEERS

The Executive Committee of the [Division of Organic Chemistry](#) of the American Chemical Society and the Department of Chemistry at the University of California, San Diego, invite you to attend the 47<sup>th</sup> National Organic Chemistry Symposium. This biennial event will be held from Sunday, June 27, to Thursday, July 1, 2021, at UCSD.

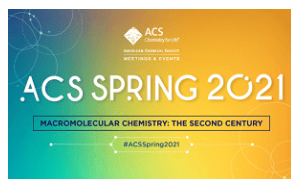


For more information please see <https://nationalorganicsymposium.org/>.

For volunteers please see <https://nationalorganicsymposium.org/organizers/>

Volunteer opportunities include chairing sessions during the plenary talks, judging the poster sessions, and running registration tables and social events.

### ACS SPRING 2021: AN ALL-VIRTUAL MEETING EXPERIENCE



ACS has announced a fully virtual spring meeting. [ACS Spring 2021](#) live events will be held online April 5-16, 2021. The program will include 10 weekdays of live sessions, followed by two weeks of on-demand content, at the presenters' discretion. This will allow for a maximum amount of science to be shared with the widest possible audience. Our primary goal is to enable the meaningful sharing of scientific information during the meeting, while ensuring everyone's safety – a core value of ACS – during the COVID-19 pandemic.

Meeting registration will be available in January 2021. Information about abstracts, registration pricing, and more is available on the [FAQ page](#) of the meeting website.

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## 2021 ACS REGIONAL MEETINGS

Great Lakes Regional Meeting (GLRM)	June 6-9	Minneapolis, MN
Northeast Regional Meeting – NERM 21	October 8-11	Boston, MA
SERMACS 2021 <a href="http://sermacs2021.org/">sermacs2021.org/</a>	November 10-13	Birmingham, AL



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

## ACS Webinars™

Welcome to ACS Webinars, your source for online live and on-demand content, created by the American Chemical Society. **Please join us weekly, Thursdays at 2pm ET.** For more information and upcoming Webinars see: <https://www.acs.org/content/acs/en/acs-webinars.html>

## EnCorps STEM Teachers Program Update

This year, we want to further our impact in public education by introducing a new virtual volunteer tutoring opportunity. We are piloting a STEMx Math Tutoring program where students will be paired with a mentor for 2, one on one, tutoring sessions a week.

Our application for both programs can be found on our website:

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

### For more information please contact:

Tanja Schroeder  
EnCorps STEM Teachers Program  
Southern California Recruitment Coordinator  
[tanja.schroeder@encorps.org](mailto:tanja.schroeder@encorps.org)  
760-905-9010

## ACS JOURNAL PUBLICATION GUIDELINES

Are you preparing a manuscript for an ACS journal using Click Chemistry? Or perhaps elevated pressure or temperature, or work with an exceedingly toxic API? The ACS Committee on Publications adopted a requirement that manuscripts include safety information, as appropriate. Here is the specific JACS language:

*Safety. Authors must emphasize any unexpected, new, and/or significant hazards or risks associated with the reported work. This information should be in the Experimental Section of the full article or the main text of a Communication.*

Detailed information on how to word the safety information can be found in Section 1.3 of the ACS Guide to Scholarly Communication. This section is freely available at

[http://pubsapp.acs.org/paragonplus/submission/ACS Guide to Scholarly Communication 1.3 Communicating Safety Information.pdf](http://pubsapp.acs.org/paragonplus/submission/ACS%20Guide%20to%20Scholarly%20Communication%201.3%20Communicating%20Safety%20Information.pdf)

Meeting this requirement need not be onerous, but it is necessary to alert others who are building on your work to avoidable hazards.

If you have specific questions or need assistance with the safety information, please contact me.

Neal Langerman  
[neal@chemical-safety.com](mailto:neal@chemical-safety.com)

## 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

### 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

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

### Southwestern College, Chula Vista

Juan Gonzalez  
[jgonzalez3@swccd.edu](mailto:jgonzalez3@swccd.edu)  
619-421-6700x5947

### University of California, San Diego

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

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

### University of San Diego

Tammy Dwyer  
[tdwyer@sandiego.edu](mailto:tdwyer@sandiego.edu)  
619-260-4030



## YOUR AD HERE

Your ad in the next issue of

**THE SAN DIEGO CHEMIST**

For information contact:

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

**UPCOMING EVENTS**

**Virtual**  
**Ajay Nirula, MD, PhD**  
**Vice President- Immunology, Eli Lilly**  
**February 4, 2021**

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**Virtual**  
**THE 67th ANNUAL GREATER SAN DIEGO SCIENCE AND ENGINEERING FAIR**  
**Judging will be virtual**  
**Tuesday, March 16, 2021**  
**For information please see <http://www.gsdsef.org/>**

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**Virtual**  
**ACS SPRING 2021**  
**<https://www.acs.org/content/acs/en/meetings/acs-meetings.html>**  
**April 5-16, 2021**

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**EARTH DAY - EARTHFAIR 2021**  
**Balboa Park, San Diego, CA**  
**<http://www.earthdayweb.org/>**  
**Sunday, April 25, 2021**

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**262<sup>nd</sup> ACS NATIONAL MEETING & EXPOSITION**  
**Atlanta, Georgia**  
**August 22-26, 2021**

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

Fleur Ferguson  
David Hsiung  
Arthur Huang  
Anthony Lachawiec  
Dongdong Liu  
Ryan Marasco  
Hendrik Moorlag  
Jake Schwab  
Rose Yang



**2021 EXECUTIVE COMMITTEE & COMMITTEE MEMBERS  
SAN DIEGO SECTION OF THE AMERICAN CHEMICAL SOCIETY**

**EXECUTIVE COMMITTEE**

<i>Chair</i>	Jim Shih, Eli Lilly & Co, <a href="mailto:jshih@sandiegoacs.org">jshih@sandiegoacs.org</a>	(2021)	626-826-3561
<i>Past Chair</i>	James Caldwell, Accelagen, Inc., <a href="mailto:jcaldwell@sandiegoacs.org">jcaldwell@sandiegoacs.org</a>	(2021)	815-262-9697
<i>Chair-Elect</i>	Juan P. Gonzalez-Gonzalez, Southwestern College, <a href="mailto:jgonzalez3@swccd.edu">jgonzalez3@swccd.edu</a>	(2021)	619-813-8520
<i>Secretary</i>	William Tolley, Seacoast Science, Inc., <a href="mailto:b_tolley@juno.com">b_tolley@juno.com</a>	(2021)	858-780-0978
<i>Treasurer</i>	Desiree Grubisha, Heron Therapeutics, <a href="mailto:desgrubisha@gmail.com">desgrubisha@gmail.com</a>	(2021)	858-254-5497

**Councilors**

Thomas R. Beattie	(2021)	858-293-3012
Hui Cai, WuXi AppTec	(2022)	858-361-8838
Desiree Grubisha, Heron Therapeutics	(2021)	858-254-5497
Valerie Kuck	(2023)	973-744-5510
Jackie Trischman, CSUSM	(2022)	858-414-3323
David Wallace, Wallace Scientific Consulting	(2021)	858-638-1866

**Alternate Councilors**

Surya K. De, Supra Sciences, Inc.	(2022)	858-337-4961
Julann Miller, Waters Corporation	(2023)	800-252-4752 x6802
Ken Poggenburg	(2022)	760-635-2573
Ben Pratt, Pratt Pharma Consulting LLC	(2022)	858-945-7893
Shannon Woodruff, HP Inc.	(2023)	949-735-9021

**Members-at-Large**

James O'Brien, TE Connectivity	(2023)	858-336-0654
Bill Szabo	(2022)	858-550-0306
Joann Um, Southwestern College	(2022)	510-823-8637

**STANDING & SPECIAL COMMITTEES**

*Awards Nomination Committee*

Valerie Kuck (Co-Chair)	973-744-5510
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*ChemExpo*

Jackie Trischman, CSUSM	858-414-3323
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*Communications Committee*

Surya K. De, Supra Sciences, Inc.	858-337-4961
Desiree Grubisha, Heron 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)	858-293-3012
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*

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

Bill Szabo (Chair)	858-550-0306
Tom Beattie	858-293-3012

*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	858-293-3012
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*MedChem Symposium*

Ben Pratt (Co-Chair), Pratt Pharma Consulting LLC	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*

James Caldwell (Chair), Accelagen, Inc.	815-262-9697
Jim Shih, Eli Lilly & Co.	626-826-3561

*Professional Development Committee*

Valerie Kuck	973-744-5510
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*Public Relations Committee*

**OPEN**

*Senior Chemists Committee*

Ken Poggenburg (Chair)	760-635-2573
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*Seniors Breakfasts*

Thomas R. Beattie	858-293-3012
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*Women Chemists Committee*

Valerie Kuck	973-744-5510
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*Younger Chemists Committee*

Kristen Counsell, Drawbridge	319-830-3097
Alexander Rovira, Janssen Research and Development	858-784-3013
Brittany P. Witherspoon, Janssen Research and Development	619-373-2436

*Voice Mail – San Diego Section*

619-687-5570