

## *A Close Examination at the Training and Academic Hiring of Women in STEM Fields*

**Valerie J. Kuck**  
**Lucent Technologies Bell Laboratories (ret.)**

**DATE:** May 13, 2021

**TIME:** 6:00 PM

**PLACE:** Your Computer

**RSVP:** <https://valerie-kuck-discusses-women-in-stem-careers.eventbrite.com>



### **ABOUT THE SPEAKER:**

Valerie Kuck retired in 2001 from Lucent Technologies Bell Laboratories in Murray Hill, New Jersey, where she was engaged in both basic and applied research during her 34-year career there. After leaving the Labs she refocused her energies on studying the graduate training and hiring of women in the physical sciences and engineering and has extensively shared her findings through numerous talks, articles, and publications.

Valerie has 25 US patents and has received the ACS Garvan-Olin Medal, ACS Award for Volunteer Service, ACS Award for Encouraging Women into Chemical Science Careers, and the Bell Laboratories Lincoln Hawkins Award for Mentoring. She was named a Purdue University Distinguished Alumnus and was a Georgia Tech Pete Silas lecturer.

### **ABOUT THE PRESENTATION:**

Since 2009 women have received a majority of the doctoral degrees granted by U.S. institutions. In several scientific fields women have made great strides, whereas women in a number of STEM areas have made slow progress. In 2017, women received 53% of the doctorates in biological and agricultural sciences and 70% in the health and medical sciences. In sharp contrast, women earned only 23% of the doctorates in engineering, 25% in mathematics and computer sciences, and 34% in the physical and earth sciences. Furthermore, the percentage of tenure-line female faculty members in the physical sciences, engineering, and mathematics has remained low.

This talk will address findings from an analysis of the responses to surveys and site visit discussions that involved over 1200 administrators, chemistry and chemical engineering faculty members, graduate students and post-doctoral fellows. In addition, the hiring rate of female faculty members and factors contributing to their career choices will be addressed, along with suggestions on ways to support women who want to pursue a PhD degree and pursue a career in academia.

### CHAIR NOTES

Dear ACS Members,

The blooming of flowers everywhere reminds us it is now May, and I hope everyone is well. We had our fourth Executive Committee Meeting of 2021 virtually on Zoom on Thursday, April 1<sup>st</sup>, where we planned several future events and discussed the many activities that occurred in March.

On Thursday, April 22<sup>nd</sup>, **Amy Marschilok**, PhD, Associate Professor in the Department of Chemistry at Stony Brook University, joined us and presented "Electrochemical Energy Storage: Progress and Opportunities." During her talk, she discussed the chemistries of different innovative battery anode and cathode systems, the research into ion transport, and the different analytical methods employed to study the problems. We had over 120 online registrations and over 70 attendees.

On Thursday, May 13<sup>th</sup>, at 7PM, we will have our own **Valerie Kuck**, one of our Local Section councilors who retired from Lucent Technologies/Bell Labs, to discuss "A Close Examination at the Training and Academic Hiring of Women in STEM Fields". This talk will address the hiring rate of female faculty members and factors contributing to their career choices, ways to support women who want to pursue a PhD and pursue a career in academia, and findings from an analysis of responses to surveys involving 1200 administrators, chemistry and chemical engineering faculty members, graduate students and post-doctoral fellows. Registration for the talk is via Eventbrite - <https://valerie-kuck-discusses-women-in-stem-careers.eventbrite.com>

On a sad note, we note the passing (in October 2020) of **Dr. Mario Molina**, Mexican chemist and co-recipient of the 1995 Nobel Prize in Chemistry, for his role in noting the threat to the Earth's ozone layer from chlorofluorocarbon (CFC) gases. A remembrance can be found elsewhere in this newsletter.

Our next Executive Committee meeting will take place on Thursday, May 6<sup>th</sup>, at 6pm on Zoom. I invite all members who wish to become more involved in the Local Section to join us. Bring your ideas, your suggestions, and your unique talents to help make 2021 a wonderful year. Please contact me at [jshih@sandiegoacs.org](mailto:jshih@sandiegoacs.org) to receive Zoom log-in details.

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!

### 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.

Payments can be made by check or credit card to <https://checkout.square.site/merchant/MLAPMMDVQ8HQB/checkout/TIKH3SV5GGW6MVQ2NYGION4N>

For more information, please contact:  
**Renate Valois** at [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 20<sup>th</sup> of the month** for publication by the end of that month.

**Advertisers:** Ad prices as of January 1, 2015:  
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	1	3	6
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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

<b>Thursday</b>	<b>May</b>	<b>6</b>
<b>Thursday</b>	<b>June</b>	<b>3</b>
<b>Thursday</b>	<b>July</b>	<b>8</b>
<b>Thursday</b>	<b>August</b>	<b>5</b>
<b>Thursday</b>	<b>September</b>	<b>2</b>
<b>Thursday</b>	<b>October</b>	<b>7</b>
<b>Thursday</b>	<b>November</b>	<b>4</b>

**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.

### **POSTPONED**

#### **HPLC 2020 IN SAN DIEGO**

Due to the extraordinary circumstances we have all found ourselves in surrounding the coronavirus (COVID-19) pandemic, we are genuinely disappointed to announce that we must postpone the HPLC conference based on CDC guidance and shelter-in-place orders. As the health and safety of all of our participants remains our primary concern, the HPLC conference is postponed and will take place at the same location on **June 18-23, 2022**, at the Town and Country Hotel and Conference Center in San Diego, CA.

### **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.

### **VOLUNTEERS NEEDED**

#### **EARTH DAY - EARTHFAIR 2021** <http://www.earthdayweb.org/>

**New Date: Sunday, September 19, 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, September 19, 2021**. We need 3-4 persons for each of the 3-4 hour shifts on **September 19**. Please support us and share your care for our earth, chemistry education, and the San Diego ACS!

### **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>

### **REMINDER**

#### **ANNOUNCEMENTS IN THE SAN DIEGO CHEMIST**

The deadline for advertisements and announcements from the chemistry community is **the 20<sup>th</sup> of the month** for publication by the end of that month.

## Mario José Molina: A Remembrance

On October 7<sup>th</sup> of last year, our Local Section lost Dr. Mario José Molina, one of our most accomplished and distinguished members. Mario Molina was born in Mexico City in 1943. From an early age, he wanted to study chemistry. When he was 22, he obtained a chemical engineering degree from the National Autonomous University of Mexico (UNAM). Molina pursued graduate studies in West Germany and then at the University of California, Berkeley where he was awarded a doctorate in physical chemistry in 1972.

In 1973, Molina moved to the University of California, Irvine to work as a post-doctoral fellow under Sherwood Rowland (1927-2012). There, he started the work for which he is best remembered today. In 1974 Rowland and Molina published an article in *Nature*<sup>1</sup>. They predicted that the photodissociation of CFCs (chlorofluorocarbons) in the stratosphere would lead to the depletion of the Earth's ozone layer. Rowland and Molina showed that UV photons could decompose CFCs, producing chlorine radicals. Chlorine radicals could then react with stratospheric ozone, O<sub>3</sub>, thereby yielding ClO and molecular oxygen. ClO, being a radical, could further react with ozone as well. The mechanism Rowland and Molina outlined in *Nature* is now a mainstay of undergraduate and graduate education in chemical kinetics.

The significance of Rowland and Molina's predictions contained dire warnings for the management of worldwide public health because a decrease in stratospheric ozone would result in more UVB photons reaching the Earth's surface, which could lead to higher rates of skin cancer. Moreover, UVB radiation is linked to negative impacts on the development of plants, marine ecosystems, and biogeochemical cycles.

A decade after the *Nature* article was published, the British Antarctic Survey reported that a vast depletion area in the ozone layer over the South Pole had appeared. Molina's activism helped establish the 1987 Montreal Protocol, an international agreement to phase out CFCs and other ozone-depleting chemicals. In the end, 197 countries ratified the Protocol and agreed to ban CFC production by 1996.

The Montreal Protocol demonstrated that nations could come together to take bold action to address environmental crises. According to the United Nations Environment Programme (UNEP), at the current momentum the ozone layer will heal in the middle latitudes by 2030. The worst ozone depletion found in the Antarctic is estimated to be fully repaired by 2050.

Dr. Molina went on to have an illustrious career in atmospheric chemistry. In 1995, Molina shared the Nobel Prize in Chemistry with Sherwood Rowland and Paul Crutzen (1933-2021) for their research into the photocatalytic decomposition of ozone. Dr. Molina held research and teaching positions at institutions such as the University of California, San Diego, the Massachusetts Institute of Technology, and the NASA Jet Propulsion Laboratory. Unsurprisingly, he won numerous other awards and honors for his contributions to the advancement of chemistry, which included a Presidential Medal of Freedom and the ACS Prize for Creative Advances in Environmental Science and Technology. Additionally, Dr. Molina held over 30 honorary degrees.

In early 2020, Molina was a contributing author to an article published in the *Proceedings of the National Academy of Sciences* titled, "Identifying airborne transmission as the dominant route for the spread of COVID-19"<sup>2</sup>. The research concluded that face masks, social distancing, and quarantining could slow the spread of SARS-CoV-2. This work became highly influential for the management of the COVID-19 pandemic throughout the world.

The San Diego Local Section will remember Dr. Molina as one of those rare and transcendent figures in our field. He used his skills and knowledge of chemistry to help make the world a better place for all humanity. His legacy will continue to inspire generations of students hungry to create positive change in the world through science. Dr. Molina's achievements strike an especially resounding chord with fellow scientists of Mexican descent, as his life is truly a metaphor for *sí, se puede*.

Juan Gonzalez  
SDACS 2021 Chair-Elect

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<sup>1</sup> Molina, M., Rowland, F. "Stratospheric sink for chlorofluoromethanes: chlorine atom-catalysed destruction of ozone". *Nature* **249**, 810–812 (1974).

<sup>2</sup> Zhang, Renyi et al. "Identifying airborne transmission as the dominant route for the spread of COVID-19." *Proceedings of the National Academy of Sciences* 117.26 (2020): 14857-14863.

**SUMMARY OF THE SAN DIEGO ACS SECTION  
EXECUTIVE COMMITTEE TELECONFERENCE  
APRIL 1, 2021**

Treasurer's Report – Unavailable at this point; sale of Vanguard fund shares has not occurred

**Action:** if needed, Finance Committee will assist.

Minutes of March ExComm Meeting -- **Approved** as distributed

Monthly Seminars – March Seminar: 220 registered, 139 attendees, a good number students attended; April Seminar: presentation on battery development

**Action:** Create a QR code to add to Seminar announcement

Greater San Diego Science and Engineering Fair – Five judges volunteered from ACS, each reviewed ~12 projects, judging lasted from approximately 8 a.m. to noon, topics in both divisions were exceptional; three in each level selected for awards from the Section

Chemistry Olympiad – 69 students participated, 14 volunteers as proctors; a few high schools consistently have representatives that make it to National competition such as Canyon Crest, Del Norte, Rancho Bernardo, Westview; suggestion for Section to provide an assistant to help with paperwork and an outreach person to interact with high schools that usually have not participated

**Action:** volunteers for outreach: Bill S, Jim S, Tom B, CSUSM representative

ACS Council Meeting -- ~500 councilors participated, Council is considering means to harmonize committees, such as: some committees require members to be councilors while others are open to non-councilor members; membership dues are being reduced to \$160, National instituting new benefits of membership, members with lesser levels of participation to be offered lower dues; National Meeting registration set to \$99 for regular members / \$29 students; 87,000 abstracts were submitted for the Spring meeting;

YCC – Hosting a Chemistry Slam – May 20, applications due Apr. 23, opportunity for students to present unique research results; planning a Chemistry Trivia Night as a way to introduce ACS to students modeled on an event from Silicon Valley, up to 5 members on a team; four rounds, 1 hour scheduled for Apr. 15

**Motion:** allocate \$200 prize for 1<sup>st</sup> place team and \$100 for 2<sup>nd</sup> place team (prized to be awarded to the teams to be divided among the team members) -- **Approved**

San Diego Science Festival – 4/24 – 5/2; all events are to be held virtually this year, CSUSM holding an event "Chemistry is Better than Magic" in the prior week where participants will be assembling chemistry teaching kits

**Motion:** allot \$200 for 10 prizes for CSUSM event -- **Approved**

Next meeting: May 6

**CHEMPLOYMENT 801**

**POSITION TITLE:**

Advanced Production Chemist-Organic Synthesis

**QUALIFICATIONS DESIRED:**

Education: Bachelor's or Masters in Organic Chemistry

**EXPERIENCE:**

Minimum of 4yrs+ in production or industrial setting. Strong Laboratory bench skills, including synthesis, purification, and analysis of organic compounds using HPLC (UV and MS detection), NMR, IR, GC, TLC, and elemental analysis.

Strong background in synthetic organic chemistry, modern analytical techniques, and excellent problem-solving skills. Small molecule experience.

**DESCRIPTION OF COMPANY:**

Sciex is a global leader in mass spectrometry, SCIEX delivers solutions for precision detection and quantification of molecules to help protect and advance the wellness and safety of all. Because of our 50 years of groundbreaking innovation, our customers can quickly respond to environmental hazards, better understand biomarkers relevant to disease, improve patient care in the clinic, bring relevant drugs to market faster, and keep food healthier and safer. At SCIEX, you'll find a rewarding role that amplifies your impact on the world and helps you realize life's potential.

**APPLICATION INSTRUCTIONS:**

Address for sending résumé:

Please apply to the link:

[https://danaher.wd1.myworkdayjobs.com/SCIEXJobs/job/Carlsbad-California-United-States/Advanced-Technician--Organic-Synthesis\\_R1132941-1](https://danaher.wd1.myworkdayjobs.com/SCIEXJobs/job/Carlsbad-California-United-States/Advanced-Technician--Organic-Synthesis_R1132941-1)

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## 2021 ACS REGIONAL MEETINGS

Northwest Regional Meeting (NORM)	May 9-11	Online
Great Lakes Regional Meeting (GLRM)	June 6-9	Online
Middle Atlantic Regional Meeting (MARM)	June 9-12	Online
Northeast Regional Meeting – NERM 21	October 8-11	Boston, MA
Midwest Regional Meeting (MWRM)	October 21-22	Springfield, MO
Rocky Mountain Regional Meeting (RMRM)	October 21-23	Tucson, AZ
Southwest Regional Meeting (SWRM)	October 31-Nov 3	Austin, TX
SERMACS 2021	November 10-13	Birmingham, AL



## LOOKING FOR A CHEMIST?

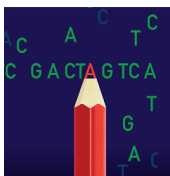
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## JUST PUBLISHED: THE FUTURE OF GENE EDITING

Last year, the U.S. Food and Drug Administration authorized the first CRISPR technology—a COVID-19 diagnostic. Human clinical trials of gene-editing therapies are ongoing; ethicists continue to discuss the ramifications of technology that tinkers with the very instructions for life. Inside this latest [Discovery Report: The Future of Gene Editing](#), you'll meet some of the many entrepreneurs who aim to use gene-editing technology to provide more organs for transplants, combat antibiotic-resistant bacteria, companies to watch, current research literature, and more.

Access all the Discovery Reports published to date at [www.acs.org/discoveryreports](http://www.acs.org/discoveryreports), and look for the next release in June 2021.

## PHUN & GAMES

**Periodic Graphics: Faking Flavors with Chemistry**

## 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**

**A CLOSE EXAMINATION AT THE TRAINING AND ACADEMIC HIRING  
OF WOMEN IN STEM FIELDS**

**Valerie J. Kuck  
Lucent Technologies Bell Laboratories (ret.)  
May 13, 2021**

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

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**EARTH DAY - EARTHFAIR 2021  
Balboa Park, San Diego, CA  
<http://www.earthdayweb.org/>  
Sunday, September 19, 2021**

**THE SAN DIEGO SECTION OF THE AMERICAN CHEMICAL SOCIETY**

**WELCOMES ITS NEW MEMBERS**

Lindsay Abbott  
Zachary Auvil  
Tyler Billing  
Lauren Carnevale  
Brandon Coyle  
Jimmy Fahr  
Hanyu Fan  
Mackenna Gentry  
Debra Harris  
Andrey Malyutin  
Vivian Nguyen  
Abdulakeem Osumah  
Jean Quigley  
David Richardson  
Sanjay Sethuram

**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
<b>Councilors</b>			
	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
<b>Alternate Councilors</b>			
	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
<b>Members-at-Large</b>			
	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**

<b>Awards Nomination Committee</b>			
	Valerie Kuck (Co-Chair)		858-254-5497
	Ken Poggenburg		760-635-2573
	Renate Valois (Newsletter Editor)		619-692-0638
	David Wallace, Wallace Scientific Consulting		858-638-1866
<b>Distinguished Scientist Awards Nomination Committee</b>			
	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
<b>Education Committee</b>			
	Joann Um (Chair), Southwestern College		510-823-8637
	Valerie Kuck		973-744-5510
	Joan Schellinger, USD		619-260-7960
<b>EarthFair</b>			
	James Caldwell, Accelagen, Inc.		815-262-9697
<b>Finance Committee</b>			
	Bill Szabo (Chair)		858-550-0306
	Tom Beattie		858-293-3012
	James Caldwell, Accelagen, Inc.		815-262-9697
<b>Fundraising Committee</b>			
<b>OPEN</b>			
<b>Government Affairs Committee</b>			
	Hui Cai, WuXi AppTec (Chair)		858-361-8838
	Ken Poggenburg		760-635-2573
<b>Law Committee</b>			
	Ryan C. Smith, Duane Morris LLP		619-744-2220
<b>Mad Science Program</b>			
	Thomas R. Beattie		858-293-3012
<b>MedChem Symposium</b>			
	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
<b>Membership Committee</b>			
<b>OPEN</b>			
<b>Nominations Committee</b>			
<b>OPEN</b>			
<b>Outreach Committee</b>			
	Kevin McKowen, Wyatt Technology		(801) 719-0511
	Julann Miller, Waters Corporation		800-252-4752 x6802
<b>Picnic Committee</b>			
	James Caldwell (Chair), Accelagen, Inc.		815-262-9697
	Jim Shih, Eli Lilly & Co.		626-826-3561
<b>Professional Development Committee</b>			
	Valerie Kuck		973-744-5510
<b>Public Relations Committee</b>			
<b>OPEN</b>			
<b>Senior Chemists Committee</b>			
	Ken Poggenburg (Chair)		760-635-2573
<b>Seniors Breakfasts</b>			
	Thomas R. Beattie		858-293-3012
<b>Women Chemists Committee</b>			
	Valerie Kuck		973-744-5510
<b>Younger Chemists Committee</b>			
	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