

The San Diego Chemist

American Chemical Society Volume 33, Number 2

San Diego Section February 2021

VIRTUAL PRESENTATION

SARS-CoV-2 Neutralizing Antibodies for the Treatment of COVID-19

Ajay Nirula, MD, PhD Vice President- Immunology, Eli Lilly

DATE: February 4, 2021

TIME: 7:00 PM Lecture

RSVP: https://ajaynirula-ACS.eventbrite.com

Join Zoom Meeting

https://american-chemical-

society.zoom.com/j/84885079294?pwd=RXJPalFMeVNQNVIsTHFEdDdFdk0wUT09

ABOUT THE SPEAKER

Ajay Nirula, M.D., Ph.D., is Vice President, Immunology for Lilly Research Laboratories (LRL) based at the Lilly Biotechnology Center in San Diego. Dr. Nirula joined Lilly in 2015 and is responsible for discovery research and early phase clinical development in immunology. He has most recently served as the medical leader for Lilly's work during the COVID pandemic that lead to emergency authorization for a therapeutic neutralizing antibody. Prior to joining Lilly, Dr. Nirula held leadership positions at Amgen and Biogen Idec and was involved in several research programs and regulatory filings spanning diseases such as rheumatoid arthritis, systemic lupus erythematosus, multiple sclerosis, psoriasis, and vasculitis.

Dr. Nirula earned his undergraduate degree in molecular biology from UC Berkeley, his MD from UCLA School of Medicine, and his PhD from the University of Texas Southwestern Medical School. He subsequently joined the faculty in the Division of Rheumatology at UCSF Medical Center. He has published extensively in the scientific literature in journals such as *The New England Journal of Medicine*, *Nature Immunology*, and *Journal of Experimental Medicine*.

ABOUT THE PRESENTATION

Dr. Nirula will discuss the therapeutic landscape of the various neutralizing monoclonal antibodies for COVID-19.



Scan QR Code



CHAIR NOTES

Dear ACS Members,

I hope 2021 has started well for everyone! We had our first Executive Committee Meeting of 2021 virtually on Zoom on Thursday, January 7th. We had a good turnout to discuss upcoming events and open committee positions for this year, as well as outreach activities like upcoming seminars, the first virtual Greater San Diego Science & Engineering Fair, Mad Science programs, National Chemistry Olympiad, and some new opportunities. A new Outreach Committee has been established to better connect with existing members and attract new members and engage the general public.

On Thursday, February 4th, at 7PM, we will have **Dr. Ajay Nirula, MD, PhD,** Vice President of Immunology at Eli Lilly & Co., to discuss "SARS-CoV-2 neutralizing antibodies for the treatment of COVID-19". More information, including registration on Eventbrite, can be found at https://ajaynirula-ACS.eventbrite.com

Here are some upcoming, community-wide, large-scale events (held virtually)

- Greater San Diego Science & Engineering Fair via zFairs, March 15 - 18 2021, https://www.gsdsef.org/
- ACS Spring National Meeting & Exposition April 5 - 16, 2021

https://www.acs.org/content/acs/en/meetings/acs-meetings.html

Our next Executive Committee meeting will take place on Tuesday, February 2nd, at 6pm on Zoom. I invite all members who wish to become more involved in the 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 to receive Zoom log in details.

James J. Shih, 2021 Chair

San Diego Section of the American Chemical Society

E-mail: jshih@sandiegoacs.org
Web: www.sandiegoacs.org

NON-PROFIT ORGANIZATIONS!

Does your non-profit organization have an upcoming event that might be of interest to members of the ACS – San Diego Section? If so, please send your announcement to our 2021 Chair, **Jim Shih** at *jshih@sandiegoacs.org*. Once approved, Jim will see that your announcement is published on our website (www.sandiegoacs.org) and, if received by the 20th of the month before the event, in *The San Diego Chemist* newsletter. This is a free service of the ACS – San Diego Section. Take advantage of it!

ATTENTION ADVERTISERS

Did you know that *The San Diego Chemist* is the only monthly enewsletter that targets chemists and chemical engineers in San Diego and Imperial Counties? As soon as our newsletter is uploaded on www.sandiegoacs.org a separate notification is sent to the **2,500 members** of the ACS-San Diego Section, each potential customers for your products and services! **Quick turnaround:** Ad copy submitted by the 20th of each month will be published by the end of that month. For more information, please contact:

Renate Valois at 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 23rd of the month for publication by the end of that month.

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

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

Discounts will be available for issues not shown Please send your jpg to:

Renate Valois at renate@sandiegoacs.org.

SECTION E-MAIL LISTSERVER!

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

To subscribe to our moderated listserver:

- 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.
- 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.
- You will receive reminders approx. 5-7 days prior to upcoming events and messages of general interest to members.
- To post topics for discussion, or informational items to the listserver members, send the message to sandiego-chemist-l@ucsd.edu.
- 5. If the moderator approves the post, it will be sent to the members.

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

Executive Committee Meeting Dates 2021 6:00 - 8:00 pm February Tuesday 2 Thursday March 4 Thursday April 1 Thursday May 6 Thursday June 3 Thursday July 8 Thursday August 5

Zoom Meetings until further notice

September

November

October

2

7

Thursday

Thursday

Thursday



The San Diego Section of the American Chemical Society would like to thank our Corporate Sponsors. Here are a few examples of our annual outreach programs that are made possible by their generous donations:

Mad Science - Stage demonstrations for 4th and 5th graders which make science fun for kids! Last year the program was viewed by over 8000 students in low-income areas and from military families.

ChemExpo - A science event for middle and high school students held 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 on April 1, 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 who is 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 vjkuck@yahoo.com>.

ACS-HACH PROGRAMS

ACS-Hach Land Grant Teacher Scholarship

Provides financial support to obtain a chemistry undergraduate degree and chemistry teaching credentials at one of our 72 partner institutions.

Award Amount: \$10,000 for full-time study

Application Period: Contact participating universities directly for application details

ACS-Hach Post-Baccalaureate Teacher Scholarship

Provides financial support for chemistry graduates with limited work experience to obtain a masters degree in education or teacher certification in chemistry.

Award Amount: Up to \$6,000 for full-time study and up to \$3,000 for part-time study

Application 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 -- Phone: (800)227-5558, ext. 8178

VIRTUAL STUDENT INFORMATION SESSION FOR ACS PROJECT SEED

The <u>ACS Project SEED Program</u> offers paid summer internships and college scholarships for high school students from low-income households. Project SEED is ideal for students who are interested in exploring chemistry-related research and are available for 6-10 weeks during the summer for either hands-on research at a nearby Project SEED site, or for a 6-week virtual summer camp to learn more about careers in chemistry, college readiness and professional development, and lab basics. ACS is hosting a <u>virtual information session</u> to provide more details on the program benefits and application process on February 9 at 6:00 PM ET. <u>Register here.</u>



CHEMISTRY JUDGES NEEDED

Virtual judging by professional societies at the 67th Annual Greater San Diego Science & Engineering Fair will take place on **Tuesday, March 16th, details TBA.** For more information, please contact **Ken Poggenburg** at 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**, <u>icaldwell@sandiegoacs.org</u>, to volunteer Sunday, April 25, 2021. We need 3-4 persons for each of the 3-4 hour shifts on April 19th. Please support us and share your care for our earth, chemistry education, and the San Diego ACS!

NATIONAL CHEMISTRY OLYMPIAD

In the light of continued uncertainty caused by the COVID-19 pandemic, our Local Section will be hosting the Digital Local Section Exam administered by the ACS on <u>March 27, 2021</u> (one day only proctored by the Local Section) from <u>12:00 PM – 1:50 PM PST</u> (3:00 PM – 4:50 PM ET).

- * Students living outside the U.S., given time zone difficulties, will take the LSE from 9:00 AM-10:50 AM ET on the same day.
- * Students requiring religious accommodations or who have other reasons precluding their participation in the main exam may request to take the exam from 3:00 PM 4:50 PM ET on Sunday, March 28, 2021. To request this, students must email their coordinator and USNCO@acs.org.

Registration Information:

To enter students from your school in this competition, please complete and submit an online registration using the link provided below by the given **deadline: January 29, 2021**

https://sandiego.secure.force.com/events#/esr?eid=a0K4y00000WGOC2EAP&

Please type all student information. You may forward the link to your students and ask them to register. Please be reminded that by participating in the digital local test, **students will need at least the following:**

- 1) a reliable internet connection
- 2) two devices during the test one is used for students to take the digital exam (PC or laptop is preferred), another one with camera is for proctoring, which should be set up in advance
- Device 1: For proctoring (we will be using Zoom make sure you download this app: https://zoom.us/download)
- Device 2: For the test (we will be using Moodle, more information will be provided later).
- 3) **login and enroll to the ACS Learning Center by February 8th** using the ACS ID and cohort code that will be provided later. This will allow students to access Moodle. Students registered must check their email for messages and instructions from <u>USNCO@acs.orq</u> on February 2nd. This will contain the cohort code.

For more information, please visit our USNCO Local Section FB page (announcements and reminders will be posted):

https://www.facebook.com/USNCO-San-Diego-Section-1807164522906083

Please forward this information to any Chemistry teachers you know in our Local Section. Thank you very much for all your help and support to students. I wish everyone a safe and happy holiday season.

For more information please e-mail: jschellinger@sandiego.edu

Zoom: https://sandiego.zoom.us/j/7027017703

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 47th 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/.

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. <u>ACS Spring 2021</u> 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.

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

SUMMARY OF THE SAN DIEGO ACS SECTION EXECUTIVE COMMITTEE TELECONFERENCE January 7, 2021

Minutes from November 2021 ExComm Teleconference - Approved

<u>Treasurer's Report</u> – Additions -- \$648; expenses: \$1000 JOURNys, \$300 for tax preparation, \$360 for Newsletter preparation, \$198 for Mad Science – 2 shows, \$900 for Website maintenance; Vanguard up ~\$20K; pending income -- \$18 K allotment, \$4000 in IPG, METT grant

<u>Monthly Seminar Feb. 4</u> – Ajay Nirula (Eli Lilly); topic: Neutralizing Antibodies for COVID; move ExComm Meeting to Tues., Feb. 2, to accommodate seminar

<u>Greater San Diego Science and Engineering Fair</u> – Mar. 16, will be done virtually, judges will be allowed a full day; details for judging needs in Newsletter

<u>Chemistry Olympiad</u> – Exam date Mar 27, looking for Zoom proctors, Joan Schellinger (USD) with a parallel session at CSUSM

<u>Mad Science</u> –Section sponsored two shows in Nov., 50-80 attendees for \$99 cost per show, some of the viewers were younger than target audience but they remained for the whole program; virtual program less effective than in-person

IPG - Application due date Jan 15

Action: Juan and Jim to discuss potential topics

San Diego Festival of Science and Engineering and Earth Fair - no information for either for this year

<u>50-60+ Year Member Luncheon</u> – Considering luncheon later in year when more will have received vaccinations, alternative to publish brief bios of honorees; suggestion to enlist journalism students to prepare bios

<u>MedChem</u> – Current directives would prevent in-person meetings; committee will consider sponsoring a virtual conference; Section has Zoom account that can handle 500 attendees, which should be sufficient

<u>Outreach Committee</u> – Proposing Kevin and Julann to explore methods to employ on-line tools to benefit members; need budgeting for necessary Website revamp; ACS.org homepage and sandiegoacs.org have outreach information

<u>Future Seminars</u> – Planned seminars (trying to increase diversity of presentations): March: Ainissa Ramirez – alchemy of Us; April -- Esther Takeuchi – energy storage / battery for heart pacemakers; May: Jan Hayes – dyes of early Mesoamerica; June – Thomas Epps – polymer self-assembly; considering Stan Crooke -- founder of Ionis and soon to retire

National Organic Symposium - Meeting scheduled for San Diego has been deferred to next year

Finance Committee - In need of additional member with John Schindler's passing

Next meeting: February 2

KEEP YOUR NEW YEAR'S CAREER RESOLUTIONS WITH ACS ON DEMAND

ACS ProEd On Demand offers high-quality, prerecorded courses across all topics of chemistry, giving you the flexibility to learn whenever it's most convenient. Choose from topics like chemical kinetics, statistical analysis, organic compounds, and more. Use the code '2021OnDemand' during registration and pay only \$99 per module! Learn more.

SUBMIT YOUR NORM 2021 ABSTRACT AND AWARD NOMINATIONS

Abstracts and award nominations are now being accepted for the virtual 2021 Northwest Regional Meeting (NORM).

NORM 2021 will bring together chemists of all types in a dynamic virtual setting taking place from May 9-11. The virtual meeting will include technical symposia, poster sessions, and a vibrant exposition organized by Western Washington University.

Visit the official NORM 2021 site to learn about the <u>awards</u> (nomination deadline March 1) and how to <u>submit your abstracts</u> (deadline February 8) in the ACS Meeting Abstracts Programming System.

PHUN & GAMES

Reactions: Will It Kombucha?

If one of your New Year's resolutions is "drink more kombucha," or "decide whether to try kombucha," or "make my own kombucha and foist it on unsuspecting labmates," you're in luck – the most recent video from Reactions explores what kombucha actually is, and whether there are limits to what can be... kombuchafied. (Honey tea? White wine? What else do you have leftover from New Year's?) If you're interested in furthering your fermentation explorations, you'll find the usual useful list of videos "You might also like," ranging from kimchi to whiskey. And the list of links to sources for this video is impressive, too, including federal regulations, many scholarly works on aspects of kombucha tea, and even discussion on how food waste can be recycled to serve as a starter for fermentation. Whichever side of the kombucha debate you're on – is it delicious, or detestable? – this is the Reactions video we need in these lockdown times.

Reactions is a video series produced by ACS that uncovers the chemistry all around us. Check out dozens of archived videos that answer the burning questions you've always wanted to ask – with chemistry! Subscribe to Reactions on YouTube and follow us on Facebook and Twitter.

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Northwest Regional Meeting (NORM) Great Lakes Regional Meeting (GLRM) Middle Atlantic Regional Meeting (MARM) Northeast Regional Meeting - NERM 21 Midwest Regional Meeting (MWRM)
Rocky Mountain Regional Meeting (RMRM) Southwest Regional Meeting (SWRM) SERMACS 2021 sermacs2021.org/

May 9-11 June 6-9 June 9-12 October 8-11 October 21-22 October 21-23 October 31-November 3

Online Online Boston, MA Springfield, MO Tucson, AZ Austin, TX 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

ATTENTION COMPANIES! Do you hire student workers?

If you have open positions in chemistry and biochemistry that would be of interest to college students, such as summer internship opportunities, here is a list of contacts you'll want to keep handy. The people listed below are the faculty advisors of the ACS Student Affiliate groups for all chemistry programs in San Diego County. These professors can get the word out to all chemistry and biochemistry majors at their schools about jobs, career fairs, open houses, etc.

California State University, San Marcos

Jacqueline Trischman trischma@csusm.edu 760-750-4206

Point Loma Nazarene University

Sara Choung SaraChoung@PointLoma.edu 619-849-2627

San Diego Mesa College

Dwayne Gergens dgergens@sdccd.edu 619-388-2609

San Diego Miramar College

Fred Garces fgarces@sdccd.edu 619-388-7493

Linda Woods lwoods@sdccd.edu (619) 388-7750

Southwestern College, Chula Vista

Juan Gonzalez igonzalez3@swccd.edu 619-421-6700x5947

University of California, San Diego

Stacey Brydges sbrydges@ucsd.edu 858-246-0993

Thomas Bussey tbussey@ucsd.edu 858-822-6665

University of San Diego

Tammy Dwyer 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

UPCOMING EVENTS

Virtual Event

AJAY NIRULA, MD, PHD Vice President- Immunology, Eli Lilly Thursday, February 4, 2021

Virtual Event

AINISSA RAMIREZ, PHD
Materials Scientist and Science Communicator
How Materials Shaped Us
Tuesday, March 9, 2021

Virtual Event

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/

Virtual Event

ACS SPRING 2021

https://www.acs.org/content/acs/en/meetings/acs-meetings.html April 5-16, 2021

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

262nd ACS NATIONAL MEETING & EXPOSITION Atlanta, Georgia August 22-26, 2021

THE SAN DIEGO SECTION OF THE AMERICAN CHEMICAL SOCIETY

WELCOMES ITS NEW MEMBERS

Xiangzhao Ai
Yonghong Gan
Sarah Griffith
Youngkwang Lee
Geoffrey Lindsay
Quynh Nguyen Wong
Natalio Panzarini
Elizabeth Potwardowski
Susie Vellema
Andrew Zhou

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

	SAN DIEGO SECTION OF THE AMERICAN	V CHEMICAL SOCIETY	
	COMMITTEE Jim Shih, Eli Lilly & Co, jshih@sandiegoacs.org	(2021)	626-826-3561
Past Chair	James Caldwell, Accelagen, Inc., <u>icaldwell@sandiegoacs.org</u>	(2021)	815-262-9697
	$\label{prop:controlled} \mbox{\it Juan P. Gonzalez-Gonzalez, Southwestern College, } \mbox{\it \underline{jgonzalez3@swccd.edu}}$	(2021)	619-813-8520
Secretary Treasurer	William Tolley, Seacoast Science, Inc., <u>b_tolley@juno.com</u> Desiree Grubisha, Heron Therapeutics, <u>desgrubisha@gmail.com</u>	(2021) (2021)	858-780-0978 858-254-5497
Councilors	Desiree Grubisha, Heron Therapeutics, <u>desgrubisha@gman.com</u>	(2021)	636-234-3497
	s R. Beattie	(2021)	858-293-3012
	i, WuXi AppTec e Grubisha, Heron Therapeutics	(2022) (2021)	858-361-8838 858-254-5497
Valerie		(2021)	973-744-5510
	Trischman, CSUSM	(2022)	858-414-3323
David \ Alternate Cou	Wallace, Wallace Scientific Consulting	(2021)	858-638-1866
	. De, Supra Sciences, Inc.	(2022)	858-337-4961
	filler, Waters Corporation	(2023)	800-252-4752 x6802 760-635-2573
Ken Poge Ben Prat	genourg tt, Pratt Pharma Consulting LLC	(2022) (2022)	858-945-7893
Shannon	Woodruff, HP Inc.	(2023)	949-735-9021
Members-at-	Large l'Brien, TE Connectivity	(2023)	858-336-0654
Bill Szab		(2022)	858-550-0306
	m, Southwestern College	(2022)	510-823-8637
	& SPECIAL COMMITTEES ination Committee		
	Kuck (Co-Chair)		973-744-5510
ChemExpo	wigshman CCLICM		050 444 2222
	rischman, CSUSM ions Committee		858-414-3323
Surya K.	. De, Supra Sciences, Inc.		858-337-4961
Desiree (Ken Poge	Grubisha, Heron Therapeutics		858-254-5497 760-635-2573
	yalois (Newsletter Editor)		619-692-0638
David W	allace, Wallace Scientific Consulting		858-638-1866
	d Scientist Awards Nomination Committee R. Beattie (Chair)		858-293-3012
	Dwyer USD		619-260-4030
Barbara			858-729-0689
Education Co	allace, Wallace Scientific Consulting		858-204-5412
Joann Ur	m (Chair), Southwestern College		510-823-8637
Valerie k	Kuck nellinger, USD		973-744-5510 619-260-7960
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	aldwell, Accelagen, Inc.		815-262-9697
Finance Come Bill Szab	mittee oo (Chair)		858-550-0306
Tom Bea	attie		858-293-3012
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	Affairs Committee		
Hui Cai,	WuXi AppTec (Chair)		858-361-8838
Ken Poge Law Committe			760-635-2573
Ryan C.	Smith, Duane Morris LLP		619-744-2220
Mad Science	Program R. Beattie		959 202 2012
MedChem Sy			858-293-3012
	tt (Co-Chair), Pratt Pharma Consulting LLC		858-945-7893
	henor (Co-Chair), Janssen Pharmaceuticals, Inc. allace (Co-Chair), Wallace Scientific Consulting		858-334-8914 858-638-1866
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Outreach Cor	mmittee		
	cKowen, Wyatt Technology		(801) 719-0511
Picnic Commi	filler, Waters Corporation ittee		800-252-4752 x6802
James C	aldwell (Chair), Accelagen, Inc.		815-262-9697
	ı, Eli Lilly & Co. Development Committee		626-826-3561
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