

## *Lessons Learned: Things We Learned Along the Way*

**DATE:** Thursday, September 19, 2019

**TIME:** 6:00 PM Social Hour, Light Meal  
6:30 PM Panel Presentation Followed by Discussion

**PLACE:** California State University San Marcos, Markstein Hall  
333 S. Twin Oaks Valley Rd., San Marcos, CA 92096

**RSVP:** By September 10, 2019  
<https://sdacsllessonslearned.eventbrite.com>



Graeme Freestone



Ben Pratt



Mark Tichenor

### ABOUT THE SPEAKERS

**Graeme Freestone** is a Principal Scientist in the Medicinal Chemistry Department at Ionis Pharmaceuticals, where his research is focused on improving the therapeutic profile of antisense oligonucleotides. His previous research experience was at Metabasis Therapeutics, Helicon Therapeutics, and Dart Neuroscience, working in various therapeutic areas including cardiovascular, metabolic, and neurological. He earned his MChem from the University of Manchester, Ph.D. from University of Oxford, and undertook a postdoctoral position at The Scripps Research Institute with K.C. Nicolaou. He is active in the San Diego Section of the American Chemical Society, serving in various roles over the years including Member-at-Large, Treasurer, and Chair of the Section.

**Mark Tichenor** is a medicinal chemist at Janssen Research & Development with 12 years of experience in drug discovery, working in the Pain and Immunology therapeutic areas. He earned his BS at UC San Diego and his PhD at The Scripps Research Institute in the laboratory of Professor Dale Boger. Mark served as the Chair of the San Diego Section of the ACS in 2014, and is currently a member of the organizing committee for the annual ACS/UCSD Medicinal Chemistry Symposium.

**Ben Pratt** received his BA in chemistry from Dartmouth College. After 3 years as a Research Associate at Rhodia ChiRex in the department of Process Research and Development, he began his Ph.D. with Professor K.C. Nicolaou at The Scripps Research Institute on the synthesis of complex natural products. Since 2008, Ben has been a medicinal chemist at San Diego biotechnology companies focused on the therapeutic areas of cancer at Ambit Biosciences, metabolic disease at Exelixis, cognitive enhancement at Dart NeuroScience, and nonalcoholic steatohepatitis at Akarna Therapeutics/Allergan, and is currently a consultant for small molecule drug discovery and development. Ben co-founded the Academics-2-Industry lecture series that serves as a primer course for aspiring medicinal chemists.

### ABOUT THE PRESENTATION

Three research chemists will discuss the critical decisions they faced during their undergraduate and graduate training and in their careers. They will address the challenges they faced, the factors that influenced their decisions, and the resulting impact of those choices. Ample time will be given for attendees to explore areas such as career options, skills now in demand, planning for graduate school, and ways for increasing employability. Don't miss this opportunity to get the information you need to know to make thoughtful career decisions.

### CHAIR NOTES

Dear ACS Members,

As I'm writing this, the ACS National Meeting & Expo starts in only a few days here in San Diego. As the host section, we will have a welcome booth in the Convention Center, Sunday through Wednesday. If you are interested in volunteering at the booth for a couple of hours, please email me or drop by the booth for a list of available time slots.

Coming up this October is our 2019 Distinguished Scientist Award's banquet featuring our two awardees, **Drs. Peter Grootenhuys** and **Sabine Hadida** from Vertex.

In November, we will have a seminar on the uses of artificial intelligence to rapidly decode the gut microbiome and its interaction with the immune system, enabling the development of novel microbe-based products to improve cancer therapies. This seminar will feature **Dr. Stephanie Culler** from Persephone Biome.

Finally, in December will be our year-end holiday party at Sufi's.

**CALL FOR NOMINATIONS:** We are looking for someone who has an attention to details and enjoys numbers. If that sounds like you, please contact me for the opportunity to run for treasurer of our Local Section.

Remember, all members are welcome to attend the Executive Committee meeting. If interested, the next meeting will be September 5<sup>th</sup> at 6:00 PM at Samumed (9381 Judicial Dr., San Diego, CA 92121). Food will be provided. We hope to see new faces.

Finally, I would like to thank all the **Executive Committee and Committee members** for their hard work providing great service to our members. If you are interested in serving your local section please contact any committee chair or myself at [davidmw@san.rr.com](mailto:davidmw@san.rr.com) if you have any questions.

David Wallace, Co-Chair  
San Diego Section of the American Chemical Society  
E-mail: [davidmw@san.rr.com](mailto:davidmw@san.rr.com)  
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 2019 **Co-Chair, Jennifer Barber-Singh**, at [jbsingh@sandiegoacs.org](mailto:jbsingh@sandiegoacs.org). Once approved, Jennifer 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 a potential customer 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** at [renate@sandiegoacs.org](mailto:renate@sandiegoacs.org)

### TREASURER NEEDED

The Executive Committee of the San Diego Section of the American Chemical Society is looking for someone to assume the Treasurer's position starting January 2020. If you are interested, please contact David Wallace at [davidmw@san.rr.com](mailto:davidmw@san.rr.com).

**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).

### 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. Please contact **James Caldwell**, Chair, Fundraising Committee, at [jcaldwell@sandiegoacs.org](mailto:jcaldwell@sandiegoacs.org) for further information.

### 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**  
**9381 Judicial Drive, Suite 160, San Diego**  
**6:00 – 8:00 pm**

Thursday	September	5
Thursday	October	3
Thursday	November	7

**Meetings will be held at:**  
**9381 Judicial Drive, Suite 160, San Diego**

## **AACC-ACS Joint Meeting**

### **A Proteomic Predictor of Lipoprotein Function and Coronary Artery Disease: From Conception to Launch**

**Cory Bystrom, PhD**

*Translation Laboratory Director | Precision Biomarkers  
Cedars Sinai Medical Center, Los Angeles*

**DATE:** Tuesday, October 1, 2019  
**TIME:** 6:00 PM Social Hour, Light Meal  
7:00 PM Lecture  
**PLACE:** GENESIS Kitchen + Drinks  
[4242 Campus Point Ct, San Diego, CA 92121](#)  
**RSVP:** [https://aacc\\_oct1\\_bystrom.eventbrite.com](https://aacc_oct1_bystrom.eventbrite.com)



#### **About the Speaker**

Dr. Cory Bystrom serves as Translational Laboratory Director at Cedars Sinai Hospital where he is responsible for novel biomarker validation and commercialization. Prior to joining Cedars, he directed R&D at Cleveland HeartLab and commercialized a multiplex proteomic diagnostic test focusing on HDL functionality. He also has held research and development roles at Quest Diagnostics, Oregon Health Science University, Fonterra, and Pharmacia and Upjohn. Dr. Bystrom earned his PhD in chemistry from the University of Oregon and his MS and BS degrees from the University of Wisconsin.

#### **Abstract**

High-density lipoproteins are commonly used for cardiovascular risk assessment, but health depends on their functional properties, not only concentration. Cholesterol efflux capacity is one function that is associated with cardiovascular disease but its measurement is not easily realized in the clinic. I'll describe the conception, development, validation, and evaluation of a multi-marker proteomic method and accompanying algorithms for estimation of cardiovascular disease risk. Multiple case-control studies demonstrated consistent clinical validity and the precise and saleable scalable method enables larger future studies.

**MARK YOUR CALENDAR**  
**2019 DISTINGUISHED SCIENTIST AWARD BANQUET**

Sabine Hadida, PhD, Senior Director and Head of Chemistry, Vertex, San Diego  
Peter Grootenhuys, PhD, Senior Director of Chemistry, Vertex, San Diego  
Tuesday, October 15, 2019 – 6:00 PM  
The Butcher Shop, 5255 Kearny Villa Rd, San Diego, CA 92123

**SUMMARY OF THE SAN DIEGO SECTION**  
**EXECUTIVE COMMITTEE MEETING MINUTES**  
**August 1, 2019**

Treasurer's Report – Income: reimbursements for councilor travel \$8K+, \$1500 for Project SEED from National; \$80 reimbursement from SDSU for joint meeting, total \$10,277; anticipated income from Newsletter ads and one sponsorship for MedChem Symposium; Expenses: \$550 for Constant Contact, supplies for picnic and purchasing keyrings for the booth at the National Meeting, \$5447 total expenses; Vanguard Fund growing, the Section has a solid financial situation; expenses for food for monthly meetings is well below budget allocation; however, the Section is still short \$12K in sponsorships to meet the budget target approved by ExComm for the year

Project SEED – Students needing to prepare reports regarding research accomplishments

MedChem Symposium – Well organized, over 300 attendees and attendance didn't shrink over lunch break

Two-Year College Chemistry Consortium – Sent \$1K sponsorship

National ACS Meeting – Action: Still needing help with staffing booth

Nominations – Needing candidates for chair-elect and treasurer; have candidates for councilor positions, Jim Shih volunteered to run as 2020 chair-elect

November Monthly Seminar – Topic: microbiome, Nov. 14 at Takeda

Planning for 2020 Monthly Seminars - Ernie Simpson -- chemistry of wines -- to include dinner proposed for March, possibly to be held at Elijah's, projected cost of ~\$25 per attendee

University of Georgia (Tbilisi) – SDSU Exchange Program – Started as program for chemistry / biochemistry with first graduates finished this Spring, both students and professors spend time at partner institution; question on how SDACS might assist in this program; ACS Council will be considering application to start a section in Republic of Georgia

Next meeting: Sept. 5, 2019

**ACS-Hach Programs**

**ACS-Hach Professional Development Grant**

Funds professional development experiences for secondary chemistry teachers.

**Award Amount:** Up to \$1,500

**Application Period:** **October 15th - December 15th annually**

**ACS-Hach Land Grant Teacher Scholarship**

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

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

**Application Period:** **Contact participating universities directly for application details**

**ACS-Hach Post-Baccalaureate Teacher Scholarship**

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

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

**Application Period:** **February 1st – April 1st**

**ACS-Hach Second Career Teacher Scholarship**

Provides financial support for chemistry professionals to obtain a masters degree in education or teacher certification in chemistry.

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

**Application Period:** **February 1st – April 1st**

About ACS-Hach Programs

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

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

**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 please see: <https://www.acs.org/content/acs/en/acs-webinars.html>

# MARVELOUS METALS

The mission of NCW is to reach the public, particularly elementary and secondary school children, with positive messages about chemistry to:

- Make a positive change in the public's impression of chemistry;
- Promote a mechanism for effectively mobilizing ACS local sections; and
- Motivate the ACS membership through local section activities.

*What to Expect:*

- Exhibits by Local Companies and Organizations
- Chemistry Demonstrations
- Hands-on Activities
- Middle and High School Extra Credit (at teacher's discretion)
- and Much More

Local Companies & Organizations: Volunteers  
Sign-up to Showcase Your Exhibits! No Charge!

***San Diego Miramar College***  
***San Diego Miramar College***  
***10440 Black Mountain Rd, San Diego***

***Saturday, October 26, 2019***  
***11 AM to 3 PM***

Contact: Julann Miller at [jmiller@sandiegoacs.org](mailto:jmiller@sandiegoacs.org)  
Updates at <http://www.sandiegoacs.org>.

**CELEBRATING THE INTERNATIONAL YEAR OF THE PERIODIC TABLE**  
**#NCW [www.acs.org/ncw](http://www.acs.org/ncw)**

**ANNUAL SAN DIEGO ACS LOCAL SECTION ELECTIONS 2020 ARE LESS THAN THREE MONTHS AWAY!**

Nominations for Section offices are now in order. Per our Bylaws, the current Chair-Elect will assume the Chair, but other positions are open for election, including

**Chair-Elect • Secretary • Treasurer • 2 Councilors • 3 Alternate Councilors • 2 Members-at-Large**

Councilors, Alternate Councilors, and Members-at-Large serve for three years, and all incumbents may succeed themselves. We encourage the active participation of our members! If you have an interest in becoming involved in the ACS-San Diego Section and want to make a self-nomination as a candidate for an elected position, please contact Jennifer Barber-Singh at [jbsingh@sandiegoacs.org](mailto:jbsingh@sandiegoacs.org) or David Wallace at [davidmw@san.rr.com](mailto:davidmw@san.rr.com). Please send your bios to **Renate Valois** at [renate@sandiegoacs.org](mailto:renate@sandiegoacs.org)

**NOTE: VOTING WILL AGAIN BE DONE ELECTRONICALLY**

Voting will be done electronically using your email address on record for the ACS. If you wish to receive a paper ballot instead, please call or e-mail Jackie Trischman, Election Coordinator, at **858-414-3323** or [trischma@csusm.edu](mailto:trischma@csusm.edu) by **Monday, November 4<sup>th</sup>** and leave your name and mailing address. You will be mailed a paper ballot.

If you do not request a paper ballot, you will receive instructions on how to vote via email. Please be sure your email address on file with the ACS is current! To update your email address with the ACS, use [www.chemistry.org](http://www.chemistry.org)

**CHEMPLOYMENT 797**

**Position Title**

Research Scientist - Bioconjugation

**Job Description**

- Ability and willingness to perform repetitive tasks such as manual filling, capping, labeling, and kitting.
- Ability to calculate chemical formulations and follow reagent recipes and protocols
- Strong organizational skills and attention to detail
- Proficient with Microsoft Word, Excel.
- Dedication to total product quality and a safe working environment.
- Self-directed, organized, and possesses good judgment.
- Good communication and computer skills.

**QUALIFICATIONS DESIRED**

**Education/Experience**

- MS or PhD in Chemistry or Biochemical Sciences
- MS with 6+ years or PhD with 2+ year experience of relevant process development and manufacturing experience in the Biotech industry with proven track record of accomplishments in the areas of bio-conjugation processes and protein characterization.
- Must be able to work independently with minimum instructions from supervisor and implement to completion experimental protocols as they pertain to the duties indicated above
- Experience working in a cGMP or ISO laboratory environment a bonus

**ESSENTIAL DUTIES AND RESPONSIBILITIES:**

- Develop new product line of kit reagents using the existing catalogued products.
- Fill, cap, label, and kit reagent products according to manufacturing instructions. Record filling and kitting events in log in real time.
- Work with R&D groups to transfer new formulations into production, build pilot lots of material, and create manufacturing documentation.
- Perform bioconjugation duty independently with a focus on early stage development such as proof of concept and process development of antibody conjugates and/or protein modification processes
- Proactively participate in the development and implementation of pertinent new technologies as appropriate and as needed
- Perform antibody conjugations and basic cell culturing to support various manufacturing and R&D needs
- Support QC testing and release of reagent products as assigned.
- Write, revise, and implement Equipment Procedures for all equipment; Manufacturing Instructions for new and existing kitting products; and Standard Operating Procedures for standard lab practices.
- Support QC and R&D with real time and accelerated stability studies as assigned.
- Order lab supplies and manufacturing materials as needed or directed by Manager. Complete and obtain approval for purchase requisitions. Receive, log, and stock material upon receipt.
- Follow all established lab procedures both documented and undocumented. Complete all paperwork using good manufacturing practices.

**Description of Company**

BroadPharm is a leading customer-focused biotech company in San Diego, California. We are dedicated to manufacturing and supplying high purity PEG linkers, Click Chemistry Reagents and advanced Bio-labeling reagents such as Dye Labeling and Biotin Labeling compounds to our clients worldwide. With our strong expertise in modern chemistry, innovative & novel PEG technology and state-of-the-art equipment, BroadPharm can help our customers to accelerate their research through cost-effective and efficient solutions.

**Application Instructions**

Please send your résumé with subject title "Bioconjugate R&D Position" to [ttu@broadpharm.com](mailto:ttu@broadpharm.com)

# Asha

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### 2019 ACS REGIONAL MEETINGS

Midwest (MWRM)	October 16 - 18	Wichita, KS
Southeastern (SERMACS)	October 20 - 23	Savannah, GA
Southwest (SWRM)/RMRM	November 13 - 16	El Paso, TX



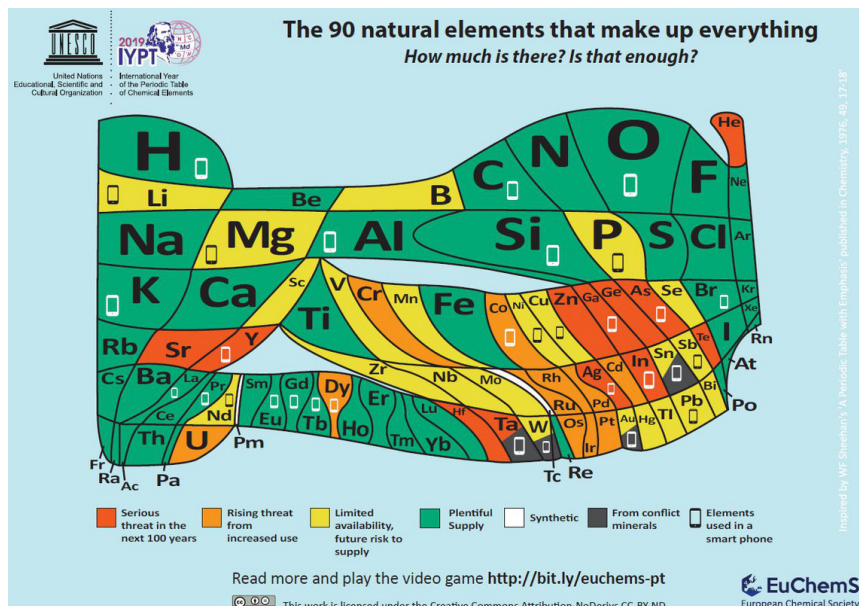
### LOOKING FOR A CHEMIST?

CHEMPLOYMENT IS THE ANSWER!  
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)



### 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

David Hecht  
[dhecht@swccd.edu](mailto:dhecht@swccd.edu)  
619-421-6700x5461

#### 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**

### **LESSONS LEARNED: THINGS WE LEARNED ALONG THE WAY**

*Dr. Graeme Freestone, Dr. Ben Pratt, Dr. Mark Tichenor  
California State University San Marcos, Markstein Hall  
Thursday, September 19, 2019*

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### **AACC-ACS JOINT MEETING**

#### **A PROTEOMIC PREDICTOR OF LIPOPROTEIN FUNCTION AND CORONARY ARTERY DISEASE: FROM CONCEPTION TO LAUNCH**

*Cory Bystrom, PhD  
Translation Laboratory Director - Precision Biomarkers  
GENESIS Kitchen + Drinks, 4242 Campus Point Ct., San Diego, CA 92121  
Tuesday, October 1, 2019*

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### **SENIORS/RETIREES/CONSULTANTS/ETC. BREAKFAST**

*Bristol Farms Café - Costa Verde Shopping Center  
Genesee Avenue and Nobel Drive, University City  
Tuesday, October 8, 2019, at 9:30 AM*

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### **2019 DISTINGUISHED SCIENTIST AWARD BANQUET**

*Sabine Hadida, PhD, Senior Director and Head of Chemistry, Vertex, San Diego  
Peter Grootenhuys, PhD, Senior Director of Chemistry, Vertex, San Diego  
The Butcher Shop*

*5255 Kearny Villa Rd., San Diego, CA 92123*

*Tuesday, October 15, 2019*

\*\*\*\*\*

### **CHEM EXPO**

**"Marvelous Metals"**

*San Diego Miramar College, 10440 Black Mountain Road, San Diego*

*10440 Black Mountain Rd., San Diego*

*Saturday, October 26, 2019*

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### **HARNESSING POOP FOR THE CURE™, OMICS, AND MACHINE LEARNING TO CREATE NOVEL IMMUNOTHERAPIES**

*Stephanie Culler, PhD  
Co-Founder and CEO, Persephone Biome, San Diego  
Takeda, 9625 Towne Centre Drive, San Diego  
Thursday, November 14, 2019*

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### **HOLIDAY PARTY**

*Sufi Mediterranean Cuisine  
5915 Balboa Avenue, San Diego, CA 92111  
Tuesday, December 3, 2019*

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

Thibault Alle  
Zaid Amso  
Brett Austin  
Grant Bare  
Gabriela Bremer  
Hyejeong Choi  
Kartik Choudhary  
Adriana Corrales  
Janice Darlington  
Elizabathe Davis  
Abigail Dommer  
Luke Fire  
Karol Rogelle Francisco  
Hannah Han  
Rudi Hendra  
Daniel Honigfort  
Yang Ji  
Jade Johnson  
Satyam Khanal  
Nathan Lewis  
Klaus Linse  
Luz-Celeste Magana  
Alex Mantanona  
Vanessa Marta  
Christine Mateo

Lori McLean  
Alyssa Miller  
Laetitia Misson Mindrebo  
Natalia Muñoz Padial  
Steven Muskal  
Aaron Nash  
Richard Niederecker  
Garrick Packard  
Kelly Pawlak  
Halton Pi  
Federick Pinongcos  
Brian Pizza  
Melissa Reed  
Bryan Simmons  
Shelby Stavretis  
Richard Stephenson  
Devin Thrush  
Vanessa Tian  
Timothy Tran  
Armando Urbina  
Stone Woo  
Richard Wood  
Robin Yu  
Tara Zand

**2019 EXECUTIVE COMMITTEE & COMMITTEE MEMBERS  
SAN DIEGO SECTION OF THE AMERICAN CHEMICAL SOCIETY**

**EXECUTIVE COMMITTEE**

<i>Co-Chair</i>	Jennifer Barber-Singh, BioFluidica, <a href="mailto:ibsingh@sandiegoacs.org">ibsingh@sandiegoacs.org</a>	(2019)	858-869-7084
<i>Co-Chair</i>	David Wallace, Samumed, LLC, <a href="mailto:davidmw@san.rr.com">davidmw@san.rr.com</a>	(2019)	858-638-1866
<i>Chair-Elect</i>	James Caldwell, Accelagen, Inc., <a href="mailto:jcaldwell@sandiegoacs.org">jcaldwell@sandiegoacs.org</a>	(2019)	815-262-9697
<i>Past-Chair</i>	Jennifer Barber-Singh, BioFluidica, <a href="mailto:ibsingh@sandiegoacs.org">ibsingh@sandiegoacs.org</a>	(2019)	858-869-7084
<i>Secretary</i>	William Tolley, Seacoast Science, Inc., <a href="mailto:b_tolley@juno.com">b_tolley@juno.com</a>	(2019)	858-780-0978
<i>Treasurer</i>	Graeme Freestone, Ionis Pharmaceuticals, Inc., <a href="mailto:gfreestone@sandiegoacs.org">gfreestone@sandiegoacs.org</a>	(2019)	858-539-6363

*Councilors*

Thomas R. Beattie	(2021)	858-587-1210
Hui Cai, WuXi AppTec	(2019)	858-361-8838
Desiree Grubisha, Halozyne Therapeutics	(2021)	858-254-5497
Valerie Kuck	(2020)	973-744-5510
Ken Poggenburg	(2019)	760-635-2573
David Wallace, Samumed, LLC	(2021)	858-638-1866

*Alternate Councilors*

Surya K. De, Plex Pharmaceuticals, Inc.	(2019)	858-337-4961
Julann Miller, Waters Corporation	(2020)	800-252-4752 x6802
Ben Pratt, Pratt Pharma Consulting LLC	(2019)	858-945-7893
John Schindler	(2019)	858-353-3943
Jim Shih, Eli Lilly & Co	(2020)	626-826-3561
Shannon Woodruff, HP Inc.	(2020)	949-735-9021

*Members-at-Large*

Paul Bruinsma, HP Inc.	(2020)	858-655-8322
James O'Brien	(2020)	858-336-0654
Bill Szabo	(2019)	858-550-0306
Jackie Trischman, CSUSM	(2021)	858-414-3323
Joann Um, Southwestern College	(2019)	510-823-8637

**STANDING & SPECIAL COMMITTEES**

*Awards Nomination Committee*

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