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# THE SAN DIEGO CHEMIST

American Chemical Society  
Volume 22, Number 9

San Diego Section  
September 2010

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## "Dealing with Potential Genotoxic Impurities in Drug Substances and Pharmaceutical Products"

### Dr. Geoff Carr

Director Analytical Development, Patheon Inc., Canada

DATE: Wednesday, September 29, 2010

TIME: 6:00 PM Light dinner  
7:00 PM Lecture

PLACE: Johnson & Johnson  
3210 Merryfield Row  
San Diego, CA 92121

DIRECTION:

[http://www.jnjpharmarnd.com/jnjpharmarnd/lajolla/lajolla\\_main.html](http://www.jnjpharmarnd.com/jnjpharmarnd/lajolla/lajolla_main.html)

RESERVATION: By Friday, September 24, 2010  
<http://sandiegoacssep2010.eventbrite.com/>



About the Speaker:

Geoff Carr was appointed as Manager, Analytical Development, at Patheon Inc., Ontario, Canada in 2000 and is now Director, Analytical Development, Canada. Prior to that, he held positions of Manager, Analytical Sciences at Celltech-Chiroscience, UK, Head of Analytical Development at Medgenix, Belgium and before that at Wyeth Research, UK. He originally started his career in pharmaceutical analysis at The British Pharmacopoeia Laboratory where he held several posts and was finally appointed Head of the Laboratory. He has been a member of various British Pharmacopoeia Committees, a UK representative to Committees of the European Pharmacopoeia, and member of USP Committees and is currently a member of the 2010-2015 Cycle USP General Chapters – Chemical Methods Expert Committee. He is the author of numerous papers and presentations at international conferences on various topics related to pharmaceutical analysis.

About the Lecture:

ICH Guidelines Q3A(R2) and Q3B(R2) provide detailed information on how to report impurities in pharmaceutical drug substances and drug products and how to decide on suitable acceptable limits. Over the last four years new guidelines have been issued initially by European Medicines Agency (EMA) and the US Food and Drug Administration (FDA) that require considerably stricter controls over impurities that are considered to be potentially genotoxic. The introduction of these guidelines is leading to completely new ways for designing analytical studies on impurities. This presentation will discuss:

- The genotoxic impurities and how is it decided whether a new impurity should be considered to be a potential genotoxin.
- A review of the requirements of EMA and FDA guidelines.
- Specification limits that are required to control these impurities.
- Analytical methods that are available that are capable of providing the required controls.
- The implications to a pharmaceutical development program.

Dear Members and Friends,

After a spate of unusually overcast and rainy days, I'm really not sure if I should make any more weather-based predictions. Nevertheless, I'm going to look forward to our fall programs as we return from our summer break. We'll be kicking things off in late September with Dr. Geoff Carr, the Director of Analytical Development of Patheon Pharmaceuticals, who will be talking about profiling impurities in drug formulations.

From there, we'll be looking forward to our upcoming Awards Banquet in October, to be held at the UCSD Faculty Club. As an ACS Section, we've always had great success in our chemistry award, often awarding upcoming local chemists who later gain significant national and international recognition. In addition to the Awards Banquet, we're looking forward to our annual ChemExpo to be held on October 31<sup>st</sup> at Balboa Park.

As always, we'd love to see you come out and volunteer for this and other activities. To this end, we invite you to attend our monthly board meetings at Pharmatek, and to think about how you can contribute to the section to make 2011 as successful as 2010. With elections coming soon in November, we're taking nominations and we welcome your nominations. If you are interested in running for a position on the San Diego board, please contact myself at [rsmith1@illumina.com](mailto:rsmith1@illumina.com), or our secretary, Bill Tolley, at [b\\_tolley@juno.com](mailto:b_tolley@juno.com).

Randy Smith, PhD  
Chair 2010

### **Volunteers: It Is Not Too Late To Sign Up for CHEMEXPO!**

Balboa Park, Casa del Prado, Plaza B  
Sunday, October 31<sup>st</sup>  
11 AM – 3 PM

#### **VOLUNTEERS NEEDED!**

You can be a part of this exciting event! Shifts are available for volunteers, on the day of the event, to staff various tables (e.g., welcome, raffle, etc.), judge poster entries, for set up before the event and for tear down. For information, please contact

Gay Olivier-Lilley - [olivierlilley@gmail.com](mailto:olivierlilley@gmail.com) - 858-587-8283

#### **COMPANY TABLES**

FREE SPACE for educational exhibits during CHEMEXPO. A limited number of tables are available for scientific exhibits that will appeal to and educate young students. For more information please contact

Tony Bottone - [tonybottone@sbcglobal.net](mailto:tonybottone@sbcglobal.net) - 858-484-6839

### **20th Winter Fluorine Conference**

January 9-14, 2011  
TradeWinds Island Grand Beach Resort in St. Pete Beach, FL.

Abstract submission is currently open until Wednesday, September 15, 2010. Areas of programming include Organic, Inorganic, Physical, and Medicinal/Bio- Chemistry. This six-day international interdisciplinary forum also feature the Award address by the recipient of the 2011 American Chemical Society Award for Creative Work in Fluorine Chemistry.

Registration opened on August 2, 2010, and closes on December 10, 2010. Housing also opened on August 2nd, and closes on December 17, 2010. Please visit <http://fluorine.sites.acs.org/20thwfc.htm> for further details on the conference.

*THE SAN DIEGO CHEMIST* is published by the San Diego Section of the American Chemical Society on a monthly basis and can be viewed at

<http://www.sandiegoacs.org/newsletter/>.

Our membership is about 3000 chemists, biochemists, and chemical engineers and covers the counties of San Diego and Imperial. Advertisers: Current ad prices are: Large (4.5"x4.75") \$200; Small (2"x3" or 4.5"x1.5") \$65. All measurements are wide x tall. We cannot accept ads other than these sizes. Please send your jpg to Renate Valois at [renate@sandiegoacs.org](mailto:renate@sandiegoacs.org). Make checks payable to American Chemical Society and mail to Dr. David Wallace, 6448 Peinado Way, San Diego, CA 92121.

**TO OUR READERS AND ADVERTISERS –**  
The San Diego Chemist is the official e-newsletter of the American Chemical Society San Diego Section. All contents are published at the discretion of the Section executive board. Events sponsored by the Section are published gratis. 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. Further information regarding events also is available on the Section web page at <http://www.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) Type the following URL in your browser and go to this site:  
<http://lists.ucsd.edu/mailman/listinfo/sandiego-chemist-l>
- 2) Follow the instructions to insert your name, e-mail address, preferences, etc., and enter SUBSCRIBE.
- 3) When 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.
- 4) You will receive reminders approx. 5-7 days prior to upcoming events and messages of general interest to members.
- 5) To send questions/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).
- 6) 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".*



International Year of  
**CHEMISTRY**  
2011

*The International Year of Chemistry 2011 will coincide with the 100th anniversary of the Nobel Prize awarded to Madame Marie Curie - an opportunity to celebrate the contributions of women to science.*

*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 Bill Szabo for further information:

Bill Szabo  
Chair, Fundraising Committee  
Tel/Fax: 858-550-0306  
[bszabo1@san.rr.com](mailto:bszabo1@san.rr.com)

*The San Diego Section of the American Chemical Society would like to thank our Corporate Sponsors*

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*2011 SAN DIEGO ACS LOCAL SECTION  
ELECTIONS ARE COMING!*

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 • 5 Councilors • 3 Alternate Councilors • Members-at-Large*

Councilors, Alternates and Members-at-Large are three-year terms and all incumbents may succeed themselves. We encourage active participation of our members. Please contact:

Chair Randall Smith, [rsmith1@illumina.com](mailto:rsmith1@illumina.com), or call 858-405-4462.

If you are interested in becoming involved in the San Diego ACS Section and want to make a self-nomination as a candidate for an elected position, please contact:

Chair Randall Smith, [rsmith1@illumina.com](mailto:rsmith1@illumina.com), or call 858-405-4462.

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*Note: Voting will again be done electronically*

We will use your e-mail 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 760-750-4206 or [trischma@csusm.edu](mailto:trischma@csusm.edu) by Monday, November 1<sup>st</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 e-mail. Please be sure your e-mail address on file with the ACS is current! To update your email address with the ACS, use [www.chemistry.org](http://www.chemistry.org).



# ChemExpo 2010!



It's fun! It's educational! It's free!

Sunday, October 31st

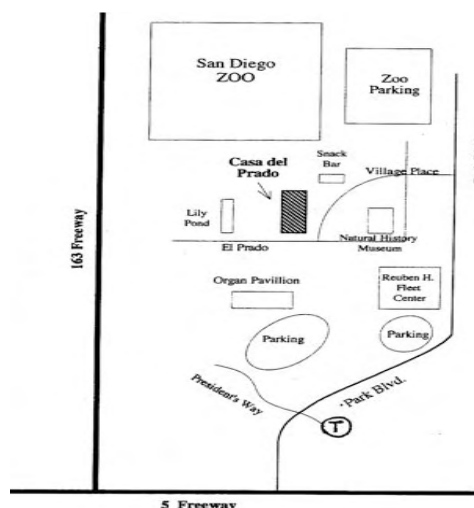
11 AM - 3 PM

(Come early! Extra credit handouts end at 2:00 pm)

Balboa Park, Casa del Prado, Patio B

CHEM EXPO, part of National Chemistry Week celebrations, is a great opportunity to instill greater public awareness in the importance of chemistry in our everyday lives and the roles that chemists play in our community.

- Celebrating Its 24<sup>th</sup> Year!
- Exhibits by Local Companies & Organizations
- Chemistry Demonstrations
- Hands-On Activities
- Free Raffles
- Middle & High School Extra Credit (*at teacher discretion*)
- and Much More!



Detailed maps of Balboa Park may be found at <http://www.balboapark.org/maps/maps.php>.

## Bring your kids to ChemExpo 2010!

To volunteer contact Gay Olivier-Lilley at [olivierlilley@gmail.com](mailto:olivierlilley@gmail.com) or at (858) 587-8283.  
For free space for educational exhibits contact Tony Bottone at (858)484-6839 or [tonybottone@sbcglobal.net](mailto:tonybottone@sbcglobal.net).

*Sponsored by the San Diego Section of the American Chemical Society*

## *Congratulations!*

### American Chemical Society Names 2010 Fellows

#### Local Scientists Named Fellows of World's Largest Scientific Society

WASHINGTON, Aug. 2, 2010 — The American Chemical Society (ACS) today named the 2010 class of ACS Fellows, an honor bestowed upon 192 distinguished scientists who have demonstrated outstanding accomplishments in chemistry and made important contributions to ACS, the world's largest scientific society. The 2010 Fellows will be recognized on Aug. 23rd during the Society's national meeting in Boston.

"Whether it's making new materials, finding cures for disease or developing energy alternatives, these Fellows are scientific leaders, improving our lives through the transforming power of chemistry," said ACS President Joseph S. Francisco, Ph.D. "They are also consummate volunteers who contribute tirelessly to the community and the profession."

The Fellows program began in 2009 to recognize and honor ACS members for their outstanding achievements in and contributions to science, the profession, and the Society. This year's group, like the first 163 Fellows named in 2009, represents academe, industry and government. Additional information about the program is available at [www.acs.org/fellows](http://www.acs.org/fellows).

For a full electronic listing of 2010 ACS Fellows organized by institution and available for download, [click here](#).

This year's class of Fellows includes three local professionals from the following institutions:



Dr. Dale L. Boger  
Richard and Alice Cramer Professor of Chemistry  
The Scripps Research Institute



Dr. Marye Anne Fox  
Chancellor, University of California, San Diego



Dr. Frederick George Heineken  
National Science Foundation (retired)

## CHEMISTRY FOR YOU AND YOUR KIDS

### Racin' Raisins!

Challenge Your Adult Partner to the Carbon Dioxide Raisin Rally Championship!

You Will Need

*Raisins, clear soda, 2 clear plastic cups (8 oz)*

1. You and your adult partner should each fill a clear plastic cup about 3/4 full of soda. Place 3 raisins in the soda in each cup. Observe the raisins closely. After sinking to the bottom, the raisins should soon get bubbles on them, lifting them to the surface. Some of the bubbles should break, causing the raisins to sink again.
2. You and your adult partner should observe your raisins for a minute or two. Each of you should choose the raisin that floated to the top of your cup most often. This is your prize raisin! What qualities does your prize raisin have that you think made it go up and down better than the others?
3. Remove the raisins from the cups and save your prize raisin. Put one cup away and place the other cup in the middle as the *Raisin Challenge Cup!* When you say "GO!" you and your adult partner should place your prize raisins in the challenge cup. The raisin that gets to the surface the most times in two minutes WINS! *GOOD LUCK!*
4. Look at the winning raisin closely. Do you think there is anything you could do to your raisin or a new raisin that would improve its chances for victory? You and your adult partner should each pick a new raisin. Mold, dent, cut, or change your raisin in a way that you think will help. Have another Raisin Challenge Cup!

Excerpt: "The Best of WonderScience," pg. 173, Delmar Publishers, 1997

### CATE Lecture Series

Come and hear Chemists' Approaches To Entrepreneurship (CATE) from real chemist entrepreneurs! This lecture series is sponsored by an Innovative Project Grant (IPG) awarded to the San Diego Section by National ACS in the spring of 2010.

Title: Is Being an Entrepreneur Your Cup of Tea?

Organizer: American Chemical Society, San Diego Section

Date: Saturday, September 11, 2010

Time: Registration: 8:30- 9:00AM

Program: 9:00-11:00AM

Venue: Ardea Biosciences Inc  
4939 Directors Place  
San Diego, CA 92121-3829

RSVP: By Thursday, September 9, 2010 to <http://sandiegoacscatelecture.eventbrite.com/>

For further information, please contact Ruo Steensma at [ruo.steensma@steensmaconsulting.com](mailto:ruo.steensma@steensmaconsulting.com).

Speakers: Dr. Stephen Kaldor, Immediate Past CEO, Ambrx Inc.  
Dr. Vicki Nienaber, Founder and CSO, Zenobia Therapeutics  
Dr. Yi Liu, Founder and VP, Intellikine Inc.



International Year of  
**CHEMISTRY**  
2011

Next year is the International Year of Chemistry 2011! The goals of IYC 2011 are to:

- Increase the public appreciation of chemistry in meeting world needs
- Increase the interest of young people in chemistry
- Generate enthusiasm for the creative future of chemistry, and
- Celebrate the 100th anniversary of Madame Curie's Nobel Prize and the 100th anniversary of the founding of the International Association of Chemical Societies.

The San Diego Section of the ACS is planning several activities to promote IYC 2011. The environment and health are the two main areas of focus for IYC 2011. The Section will be organizing a number of events related to Green Chemistry, Biofuels, and Energy. We are looking for volunteers interested in either a) helping with the planning of one or all events, or b) volunteering to help staff and execute one or all of our events. On Monday September 27<sup>th</sup> we will be having a planning meeting to start discussing next year's events as we are planning to have one event per quarter. If you would like to attend this planning meeting, or if your organization is interested in partly or fully sponsoring one of our events, please contact Joanna Pool: [joannapool@gmail.com](mailto:joannapool@gmail.com).

## ACS Webcasts

### DRAMATIC PRICE CUTS ON WEBCASTS FOR FALL 2010

To help members of the scientific community gain a competitive edge with the high quality training for which the ACS is known, ACS has cut prices on many of its webcast courses - but only for a limited time.

Free demo sessions of the ACS webcast technology are being held regularly.

[http://www.proed.acs.org/online\\_courses/online\\_courses.cfm](http://www.proed.acs.org/online_courses/online_courses.cfm)

#### Essentials Of Modern HPLC 1: Fundamentals And Applications

Sept 7 - 28, 2010 –

Four online sessions per course.

This course will provide you with an updated overview and a solid working knowledge of high-performance liquid chromatography (HPLC).

#### Beaker To Barrel: Chemical Engineering For Chemists

Sept 13 - Oct 11, 2010 –

Five online sessions per course.

Learn how to apply chemical engineering knowledge to further your bench-grade process and understand important chemical engineering principals including thermodynamics, material balance, reactor design, and more.

#### Essentials Of Organic Chemistry

Sept 13 - Oct 25, 2010 –

Five online sessions per course.

This course will renew your knowledge of the basics of organic chemistry by reviewing nomenclature, oxidation reduction, typical reactions of functional groups from a mechanistic perspective, stereochemistry, and medicinal chemistry.

#### Effective Technical Writing

Sept 13 - Oct 25, 2010 –

Five online sessions per course.

Improve your professional writing skills in this interactive workshop. Class size is limited to ensure individual attention.

#### Polymorphism In Organic/Pharmaceutical Systems

Sept 23 - Nov 11, 2010 –

Eight online sessions per course.

This course will review the fundamentals of polymorphism, including the basics of polymorph characterization, screening, and crystallization.

## ACS Webinars

*American Chemical Society Webinars (ACS Webinars™)* is a weekly online event serving to connect ACS members and scientific professionals with subject matter experts and global thought leaders in chemical sciences, management, and business on relevant professional issues. Each webinar is 60 minutes in length, comprising of a short presentation followed by Q&A with the speaker. The live webinars are held on Thursdays from 2-3pm ET. View and register for upcoming events at <http://acswebinars.org/events>. Recordings of the past webinars are available online at <http://acswebinars.org/archives>.

**Sept 2, 2010 - Programs and Funding Opportunities for Manufacturers and Small Chemical Businesses.** Do you know that the U.S. government provides much assistance to help small chemical manufacturing business better compete? The government sponsored Manufacturing Extension Partnership Program (MEP) is a national network with thousands of specialists that help manufacturers and small businesses, from improving productivity to expanding capacity. Join us with speaker Douglas Devereaux, Senior Industrial Specialist with the National Institute of Standards and Technology (NIST), as he shares the must-know resources for chemical manufactures and small businesses!

**Sept 9, 2010 - How Scientific Skills Are Used in Advising the Movie Industry – Facts and Fiction.** Love movies? Love science? Love movies and science? Using his 15 years of scientific research experience on pompe disease, Dr. Barry Byrne from University of Florida provided his scientific expertise in the make of the movie [Extraordinary Measures](#), released in January 2010. You can also apply your science skills to help the movie industry. Learn about career opportunities for scientists in the film industry and get the insiders view. Join us and Dr. Bryne as he shares his experience advising the movie industry.

**Sept 23, 2010 - Demystifying SBIR/STTR Grant Applications and Processes for Entrepreneurs and Small Businesses.** Calling all entrepreneurs and small business! Have ideas and need funding? The National Science Foundation's (NSF) Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs provides funding opportunity for small firms to develop cutting edge, high risk, and high quality scientific and engineering research with commercial opportunities. Join us with speaker, Dr. Josephine Yuen, Program Director at the NSF, as she explains and answers your questions on securing funding.

**Sept 30, 2010 - Global Patent Protection and International Business Strategies.** Science and business opportunities are no longer confined to the United States. Do you know how to protect your research and inventions in this global market? In short, as scientists, you need to know about today's global marketplace to protect your work. Join us to learn from our speaker, Dr. Michael Brodowski of K&L Gates LLP, strategies you need to know to protect your work and develop your international business.

*Summary of San Diego Section  
Executive Board Meeting, August 10, 2010*

Budget – Investment pool transfer pending - National going slowly in distributing funds.

Seminars -

Sept. - Geoff Carr from Patheon Pharmaceutical, Ontario, Can., discussing impurities in formulations, no venue; Tues. Oct. 26 - Awards Banquet, tentatively planning for UCSD Faculty Club; Nov. - Michal Lebl combinatorial chem. and solid phase synthesis, no venue but working on GenProbe.

YCC - Jessica moving from San Diego and therefore resigning from YCC; considering brewery tour or happy hour for later in August.

Law - Seminar at Burnham well received ~35 attending, 3 speakers; considering one more event on case law for this year.

Fundraising Committee – Need to publicize sponsorship benefits and levels and how sponsorship funds are used; target categories of companies: pharma, reagent suppliers, energy providers; committee has extensive list of contacts (~500); Board should be certain that value of perks doesn't exceed the donation; consider how to merge efforts of Seminar Committee in obtaining seminar sponsors and venues Fundraising Committee.

Public Relations - Sparkle Workshop, Oct 15-17, in Washington, DC, sponsored by National ACS to train members in public affairs; topics include establishing relationships with local media, how to talk with non-scientists; National will pay for one person from Section to attend but wanting commitment from attendee to serve for three years and train a successor.

MadScience - Completed 22 programs, 11 to go for Fall.

Retiree Breakfast - Sept. 8 @Marie Callendar's.

MedChem - Program went well; total cost \$2053, bills have been paid; ~320 attendees.

Nominations - Need committee; Hui as past chair customarily chair of nomination by not available; openings for chair-elect, treasurer, secretary, 5 councilors.

Professional Development - Three lectures 2-1/2 hours on a Sat morning: Sept 11, Oct, Nov, @Institute of the Americas auditorium; topics: is entrepreneurship your cup of tea; funding sources; how to run a company; planning for three dynamic speakers at each event; committee can bring in exceptional speakers using IPG funds; consider charging for non-members to attend.

International Year of Chemistry 2011 – Meeting Mon. Sept. 27 to plan Section activities for IYC 2011; topics include health, environment, green chemistry; National ACS sponsoring planning during National ACS Meeting.

Next Executive Board Meeting: September 7th, 2010.

*Spring 2011 ACS National Meeting & Exposition*

Anaheim, California

March 27-31, 2011

Meeting Theme: Chemistry of Natural Resources

Abstract submission opens August 23

Registration will open December 2010

[http://portal.acs.org/portal/acs/corg/content?nfpb=true&pageLabel=PP\\_SUPERARTICLE&node\\_id=431&use\\_sec=false&sec\\_url\\_var=region1&uuid=8593064d-0da3-4939-ac9e-e286613622ce](http://portal.acs.org/portal/acs/corg/content?nfpb=true&pageLabel=PP_SUPERARTICLE&node_id=431&use_sec=false&sec_url_var=region1&uuid=8593064d-0da3-4939-ac9e-e286613622ce)

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**2010 ACS REGIONAL MEETINGS**  
45th MWRM - October 27-29, Wichita, KS  
Joint 66<sup>th</sup> SWRM and 62<sup>nd</sup> SERMACS - December 1-4  
New Orleans, LA

**Gain A Competitive Edge with Short Courses from the ACS**

In the Fall of 2010, ACS will be visiting 8 cities to bring quality training to our customers. Find out which courses are being offered in a city near you by visiting [www.proed.acs.org/2010](http://www.proed.acs.org/2010). Upcoming course locations include:

- [Chicago, IL - October 5-9, 2010](#)
- [La Jolla, CA - November 1-4, 2010](#)

The ACS Office of Professional Education has dramatically revamped its website and registration system so you can find the courses you're looking for in no time. Bookmark this link today: <http://www.proed.acs.org>.

You can now search our short courses, webcast courses and ProSpectives Conferences by topic area, date, or location and even browse our full instructor list. We are continuously investing in new course development, so if you don't see what you're looking for, just drop us a line at [shortcourses@acs.org](mailto:shortcourses@acs.org) and we'll do our best to serve your technical training needs.

**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 Fax 760-750-3199

*Palomar College*  
David A. Boyajian [dboyajian@palomar.edu](mailto:dboyajian@palomar.edu)  
760-744-1150x2549 Fax 413-622-6750

*Point Loma Nazarene University*  
Sara Choung [SaraChoung@PointLoma.edu](mailto:SaraChoung@PointLoma.edu)  
619-849-2627 Fax 619-849-3452

*San Diego Mesa College*  
Dwayne Gergens [dgergens@sdccd.edu](mailto:dgergens@sdccd.edu)  
619-388-2609 Fax 619-388-2677

*San Diego Miramar College*  
Linda Woods [lwoods@sdccd.edu](mailto:lwoods@sdccd.edu)  
619-388-7434 Fax 619-388-7929

*San Diego State University (SDSU)*  
Mikael Bergdahl [bergdahl@sciences.sdsu.edu](mailto:bergdahl@sciences.sdsu.edu)  
619-594-5865 Fax 619-594-4634

*Southwestern College, Chula Vista*  
David Brown [dbrown@swccd.edu](mailto:dbrown@swccd.edu)  
619-421-6700x5664 Fax 619-482-6503

*University of California, San Diego (UCSD)*  
Judy Kim [judyk@ucsd.edu](mailto:judyk@ucsd.edu)  
858-534-8080  
Ghuri Ghosh [gghosh@ucsd.edu](mailto:gghosh@ucsd.edu)  
858-822-0469

*University of San Diego (USD)*  
Debbie Tahmassebi [debbiet@sandiego.edu](mailto:debbiet@sandiego.edu)  
619-260-7454 Fax 619-260-2211

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## **UPCOMING EVENTS**

*2010 Distinguished Scientists Award Lectures  
Professor H. Jane Dyson and Professor Peter E. Wright  
Department of Molecular Biology, The Scripps Research Institute  
October 26, 2010*

*UCSD Faculty Club – UCSD  
9500 Gilman Drive, La Jolla*

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*ChemExpo  
Sunday, October 31, 2010  
Casa del Prado Plaza, Balboa Park*

\*\*\*\*\*

*Holiday Party  
Thursday December 9, 2010*

## **Tentative Executive Board Meetings 2010**

**6 PM – 8 PM**

Tuesday	September	7
Tuesday	October	5
Wednesday	November	3
Thursday	December Holiday Party (venue to be announced)	9

*Meetings will be held at Pharmatek Laboratories, Inc., 7330 Carroll Rd., Ste. 200, San Diego*

<http://www.pharmatek.com/>

## **SEPTEMBER EVENTS**

- 9/8 Seniors/Retirees/Consultants Breakfast  
Marie Callender's Restaurant & Bakery, 11122 Rancho Carmel Drive, San Diego
- 9/11 CATE Lecture Series  
"Is Being an Entrepreneur Your Cup of Tea?"
- Speakers: Dr. Stephen Kaldor, Immediate Past CEO, Ambrx Inc.  
Dr. Vicki Nienaber, Founder and CSO, Zenobia Therapeutics  
Dr. Yi Liu, Founder and VP, Intellikine Inc.
- 9/27 International Year of Chemistry 2011  
Planning Meeting
- 9/29 Dr. Geoff Carr, Director Analytical Development, Patheon Inc., Canada  
"Dealing with Potential Genotoxic Impurities in Drug Substances  
and Pharmaceutical Products".

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