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# THE SAN DIEGO CHEMIST

American Chemical Society  
Volume 22, Number 3

San Diego Section  
March 2010

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## William B. Martin, Ph.D.

Director  
FDA Pacific Regional Labs Southwest

### "Adulterants, APIs and Quality Challenges in Dietary Supplements"

DATE: Thursday, March 18, 2010

TIME: 6:00 PM Social Hour, Light Dinner  
7:00 PM Lecture

PLACE: Celgene Corporation  
4550 Towne Centre Court, San Diego, CA 92121

DIRECTIONS: <http://www.celgene.com/about-celgene/celgene-locations-na-dir1.aspx>

RSVP: By Monday, March 15, 2010  
<http://sandiegoacsmar2010.eventbrite.com>

#### About the Speaker:

William B. Martin, Ph.D., Director, Pacific Regional Laboratory – Southwest has been with the FDA for 12 years. As Director, Dr. Martin provides executive and scientific leadership to the third largest Regional Laboratory within FDA's Office of Regulatory Affairs.

Prior to assuming his current position, Dr. Martin was a Regulatory Mass Spectrometry Specialist in FDA's Denver District Laboratory where he developed and performed analytical methods using mass spectrometry in the analysis of trace residues in tissues, foods and drugs. Prior to joining the FDA Dr. Martin worked for 8 years at Honeywell Space and Strategic Systems Operations in Clearwater, Florida, as a Senior Materials & Process Engineer. While at Honeywell he was the director of several laboratories within Materials & Process Engineering and served as the Technical Director and Program Manager on a classified national security program.

Dr. Martin serves as a facilitator of the ORA Mass Spectrometry Working Group, ORA Drug Laboratory Managers Workgroup and has been on the ORA Training Cadre for Basic and Advanced Mass Spectrometry for field analysts and instrumentation specialists.

Dr. Martin holds B.S. and Ph.D. degrees in Chemistry from the University of South Florida in Tampa, Florida and performed a Postdoctoral Fellowship at the National Science Foundation's Middle Atlantic Mass Spectrometry Facility at the Johns Hopkins University School of Medicine in Baltimore, Maryland. He is a graduate of the 2002 FDA Executive Leadership Development Program.

Dr. Martin and his wife Rae are enjoying empty-nesting in Southern California.

Dear Members and Friends,

The month of January is past and what a wet month it has been. Despite the inclement weather, we had a very successful and entertaining seminar by Dr. Brent Gaylord of Sirigen this past month, highlighting the fascinating work he and his company are doing in high sensitivity fluorescence. In addition to the monthly seminar, the Law Committee held a seminar detailing what every chemist needs to know about intellectual property, and the Young Chemists Committee sponsored a sold-out tour of Stone Brewery in Escondido. I had no idea that a brewery could generate so much interest. All told, we're off to a good start to 2010.

For some, though, this isn't 2010. Instead, as we proceed into February I want to wish everyone 新年快乐 and welcome to the Year of the Tiger! This month we turn east to consider the changes and challenges occurring to our industry here in San Diego. To address these changes, Dr. Richard Soll of WuXi Aptec will be speaking on February 24<sup>th</sup> about outsourcing and the changing paradigm of drug discovery. Whatever you might think of outsourcing, the performance of basic research and development is becoming a more collaborative and multinational endeavor. As chemists, we are best served by understanding these changes and finding the opportunities therein. The Chinese word for crisis (危机) may not literally translate as "danger" and "opportunity", as popularized by John F. Kennedy, but perhaps we can take some lesson from that fanciful interpretation.

In other news, we still have a couple of crucial committee chair positions open on the Professional Development and the Women Chemists Committees. If you have been thinking about becoming involved, or more involved, in your Local Section, I would encourage you to attend the board meeting held during the first week of each month. The date and location can be found on the Section's website (<http://www.sandiegoacs.org/>). We are also looking for volunteers to help with judging science fair entries at the Greater San Diego Science & Engineering Fair. The fair will take place on Wednesday afternoon, March 24<sup>th</sup>, at Balboa Park. Anyone able to help choose exhibits for our Section chemistry awards or wanting more information, please contact Ken Poggenburg at [jkp135@att.net](mailto:jkp135@att.net).

Randy Smith, PhD  
Chair 2010

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

Our sixth breakfast is scheduled for 9:30 am, Thursday, March 11<sup>th</sup> (*please note changed date*), at Marie Callender's Restaurant & Bakery, 11122 Rancho Carmel Drive, San Diego. Please RSVP to Tom Beattie at [Beattietr@aol.com](mailto:Beattietr@aol.com) voice mail 619-687-5570 by Monday, March 8<sup>th</sup>, if you plan to attend.

#### Take the Mystery Out of the Job Search: Get Support from the ACS Career Experts!

ACS Careers Job Club Webinar Forums features moderators Lisa Balbes, Ph.D., and James Burke, Ph.D., ACS Career Consultants with a combined 40 years of experience in assisting hundreds of job seekers in the chemical industry. *The launch is Tuesday, March 9, 2010*, with a 20-minute topic presentation followed by a Q&A session. Subsequent forums will be held the second Tuesday of every month from 1 to 2 pm ET. Please visit [www.acs.org/careers](http://www.acs.org/careers) to register for this free service!

#### JOBS!!! JOBS!!! JOBS!!!

##### Employers Are Looking to Hire:

##### If You Are Looking for a Job, Register for the ACS Career Fair!

The Career Fair is the premier place where employers can promote their company and meet job seekers face-to-face to discuss employment opportunities. Job seekers can attend a variety of workshops, participate in mock interviews, and make appointments for individual résumé reviews. The Career Fair will be located in the Moscone Center, West Hall, Level One in San Francisco. *It will be held Sunday, March 21<sup>st</sup>, 10 am to 5:30 pm; Monday and Tuesday, March 22–23, 8 am–5:30 pm; and Wednesday, March 24, 8 am–noon.* Job seekers and employers can register at [www.acs.org/careers](http://www.acs.org/careers).

#### Chemistry Judges Needed

Judging by professional societies at the Greater San Diego Science & Engineering Fair will take place on Wednesday afternoon, March 24<sup>th</sup>, at Balboa Park. Anyone able to help choose exhibits for our Section chemistry awards or wanting more information, please contact Ken Poggenburg at [jkp135@att.net](mailto:jkp135@att.net)

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-1>
- 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-1@ucsd.edu](mailto:sandiego-chemist-1@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".

#### TRANSFORM YOUR CLASSROOM WITH AN ACS-HACH HIGH SCHOOL CHEMISTRY GRANT

The ACS-Hach High School Chemistry Grant is awarded to chemistry teachers with innovative ideas that transform classroom learning, foster student development, and reveal the wonders of chemistry. Applicants can request up to \$1,500 to support their ideas. *Applications are due on April 1, 2010.* Apply for the ACS-Hach High School Chemistry Grant today at <http://www.acs.org/hach!>

#### CONSIDERING A CAREER IN HIGH SCHOOL CHEMISTRY TEACHING?

ACS can help you pursue your dream of becoming a high school chemistry teacher with the ACS-Hach Second Career Teacher Scholarship. The ACS-Hach Second Career Teacher Scholarship is awarded to professionals with work experience in chemistry-related fields. Scholarship recipients receive \$6,000 for full-time study and \$3,000 for part-time. *Applications are due by April 1, 2010.* Learn more about this exciting scholarship program at [www.acs.org/hach](http://www.acs.org/hach).

*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 Steve Gwaltney for further information:

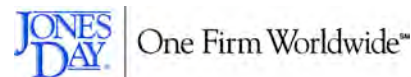
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*CONGRATULATIONS TO PROFESSOR MICHAEL BURKART OF UCSD!*



Professor Michael Burkart

Congratulations to Mike on winning the 2010 Organic & Biomolecular Chemistry Lecture Award of the Royal Society of Chemistry. The award is given to a chemist, ideally with an independent research career of 8-15 years, who has made a significant research contribution to organic or bioorganic chemistry.

[The Burkart Group at UCSD](#) studies proteomic tools for natural product biosynthetic pathways, chemical direction of coenzyme A biosynthesis, and seeks to develop inexpensive screens for quantitative/qualitative analysis of biomolecular species.

The award lecture, focusing on recent studies of enzyme identities, mechanisms and structures, will be given at the "Directing Biosynthesis Conference" at Durham University, UK, September 15-17, 2010.



THE SAN DIEGO SECTION  
of the  
AMERICAN CHEMICAL SOCIETY  
and the  
2010 SAN DIEGO SCIENCE FESTIVAL



Present

# “The Billion Dollar Molecule”

The second **San Diego Science Festival** will be in town from **March 20<sup>th</sup> through March 27<sup>th</sup> (Expo Day)**. The mission of this non-profit, week-long science extravaganza is to present the most compelling, exciting, educational and entertaining science gathering the West Coast has ever seen! Check out the Festival's website at [www.sdsciencefestival.com](http://www.sdsciencefestival.com).

The **San Diego Section of the ACS** is planning one of over 100 free exhibits on **Expo Day**. The exhibit will explain to students and the general public the process of discovering a small-molecule therapeutic.

**DATE: Saturday, March 27, 2010 (Expo Day)**  
**TIME: 10:00 am – 5:00 pm**  
**VENUE: PETCO Park, San Diego**



Take a walk through the discovery of a life-saving drug! Explore one of industry's most challenging and sophisticated product development projects that starts with tens of millions of possible candidates, costs upward of 1 billion dollars, and results in a safe and effective treatment for some of our most debilitating illnesses.

**Take-home message:** Modern drug development is an extremely complex, time-consuming, costly and financially risky process whose success depends heavily on the efforts of chemists and chemistry!

**CALLING ALL VOLUNTEERS!** Come out and join the fun at the ACS exhibit at the San Diego Science Festival! No need to be an expert in drug discovery, just a willingness to help out. Training and instruction will be provided. For information please contact Renate Valois at [renate@sandiegoacs.org](mailto:renate@sandiegoacs.org).

## CHEMISTRY FOR YOU AND YOUR KIDS

### "To bubble or not to bubble, that is the question"

Sometimes, certain chemicals can get dissolved in water that can change the way water and soap or detergent work together. Let's see if dissolving table salt in water changes the amount of suds your soap can make!

#### You will need

- Eye protection • cup • water • soap • sink •
- salt • measuring spoons •

1. Hold a bar of soap in your hands. Ask your adult partner to slowly pour a cup of warm water over the soap as you move the soap in your hands to make suds.
2. Look at the amount of suds you made and then rinse off your hands. Add two tablespoons of salt to a cup of warm water and stir until most or all of the salt dissolves.
3. Hold the soap again as you did before. Ask your adult partner to slowly pour the salt water over the soap as you move your hands to make suds. What did you notice?

Excerpt: "The Best of WonderScience," pg. 79, Delmar Publishers, 1997

## ACS Announces the 2010 Schedule for Short Courses

Our 2010 Schedule is out! Find out which courses are being offered in what cities at <http://www.proed.acs.org/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: [www.proed.acs.org](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.

## 20th Anniversary - EarthFair 2010

### Call for Volunteers

We will participate again this year in Earth Day Celebrations. If you are earth friendly and want to join us, please contact the lead of our table display, Julann Miller, e-mail: [julann\\_miller@waters.com](mailto:julann_miller@waters.com)

Sunday, April 18, 2010  
Balboa Park, 10am – 5pm

The world's largest annual environmental fair and Earth Day Celebration – produced by volunteers.

<http://www.earthdayweb.org>



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"Thinking is easy, acting is difficult, and to put one's thoughts into action is the most difficult thing in the world.

Johann Wolfgang von Goethe

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*Understanding Behavioral Styles of Interviewers*  
By Meredith Dow, Senior Partner, Proven Inc., Life Sciences Staffing Division

As a recruiter I have found that the better I became at understanding the four basic styles of behavior, the more effective I became as a communicator and the better I became at developing lasting relationships with people. If you can master the skill of recognizing the dominant behavioral style of the person with whom you are communicating you can learn to "speak their language," align yourself with them and build greater rapport and trust. You will be able to see the world through their eyes, which can be extremely helpful in relationships of any kind (co-worker, boss, friend, spouse, etc.) and especially useful when interviewing.

Let's consider the four basic behavioral styles and some traits of each. I generally consider three things when assessing someone's style, namely their: Action towards others, Action relating to the use of time, Action toward decision-making.

1. Dominant/Driver - This style has a need for control, achievement, action, quick decisions. They are all about saving time. They have little need for relationships, for the feelings of others, do not need to be liked and do not feel the need to reduce tension. They often thrive on stress and conflict and focus more on achievement instead of people. They are competitive and extroverted.
2. Influencer/Expressive - This style has a need for ego gratification; they thrive on being liked by others. They express many ideas, are talkative and have to win every debate. They like achievement, power and quick decisions. They have little need for control or time management. They cannot be bothered with details or data and they dislike a structured environment. They are people-oriented and extroverted.
3. Steady/Amiable - This personality places high value on relationships, they want everyone to be happy. They attempt to reduce emotional tension and maintain *status quo*. They crave structure. This style has little need for action or risk (especially emotional risk), little need for control, time management or to make decisions. They are loyal, deliberate, consistent and stable. Slower-paced and introverted compared to their D and I counterparts.
4. Analytical - This style has a need for facts, data, logic and structure. They require time to think and analyze, they prefer *status quo*. They have little need for change, for relationships, ego gratification or exposure. They cannot make decisions quickly. They are neat, accurate, dependable, have a high-level of detail and tend to be introverted.

When assessing someone's style ask yourself:

Are they fast- (D/I style) or slow-paced (S/A style)?

Are they introverted (S/A style) or extroverted (D/I style)?

Are they detail-oriented (S/A style) or bigger picture oriented (D/I style)?

Once you are able to recognize your style and the style of the person with whom you are dealing then you can learn to adjust your style to match that of the other person. This is difficult, it takes time to learn to be cognizant of these styles and learn to adjust. It can be emotionally draining to have to adjust your style to mirror someone else's style but it can really pay off. Based on your style, this is primarily what you will have to learn to do to adjust:

Dominant Style - Learn to listen .....	Your opposite style is the Steady/Amiable
Influencer Style - Learn to restrain .....	Your opposite style is the Dominant/Driver
Steady Style - Be more flexible .....	Your opposite style is the Analytical
Analytical/Conscientious Style - Learn to make decisions .....	Your opposite style is the Influencer/Expressive

After 13 years in staffing I am still practicing and learning to work with each behavioral style every day but the effort has been very rewarding!

Meredith Dow, [mdow@proveninc.com](mailto:mdow@proveninc.com), (858-412-1116)

*Views expressed above are not necessarily those of the ACS*

*"Present opportunities are not to be neglected; they rarely visit us twice". Voltaire*

### *The Stone Brewing*

The YCC Committee started off the New Year with a social event at the Stone Brewing Company. Twenty-six ACS members and their guests gathered for appetizers and a tour of the brewery. With stand-up comedian-like banter, the tour guide, Matt Steirnagle, went through the brewing process with us and showed us their facility. We had a surprise guest join our group on the tour, none other than Stone Brewing Co. CEO and co-founder, Greg Koch! At the end of the tour, Greg shared with us some of their recent awards. Several members stayed after the tour to have dinner and get to know one another better. The evening was a great success and we plan on holding additional tours in the future.



### *Launch of the ACS Strategic Plan for 2010 and Beyond*

The ACS Strategic Plan for 2010 and Beyond has launched online (<http://strategy.acs.org>) and for mobile devices (<http://strategy.acs.org/mobile>). The plan continues to provide the Society with a blueprint of how to fully realize our vision of "Improving people's lives through the transforming power of chemistry."

Our vision, mission, and core values continue as the foundation of the plan. The six strategic goals remain unchanged as they relate to our efforts to

- provide indispensable information
- engage the global community
- address global challenges
- communicate with the public
- advocate for the profession, and
- maintain financial health.

The plan for 2010 and beyond contains modest changes from earlier releases. The entire plan's content, with the exception of the vision, mission, and core values, are structured around the plan's goals. Throughout this past year, we have reviewed the external trends as well as the challenges and opportunities for advancing the plan, and we have developed strategies that enable the Society through chemistry to respond to the global challenges we face. Our measures of success were developed to ensure that our strategies advance. To learn more about the ACS Strategic Plan for 2010 and Beyond, visit <http://strategy.acs.org> to see the ways in which the Society is working toward making our vision of "Improving people's lives through the transforming power of chemistry" a reality.

### *Your Travel Budget's Cut But You Still Need Training? Try an ACS Webcast!*

Few companies are immune from the economic hardships in the headlines, and many budgets have been trimmed. But it is still crucial to your career to engage in continuing education to expand your skills and stay abreast of new topics.

Join the ACS Webcast mailing list at [www.proed.acs.org/emailme](http://www.proed.acs.org/emailme) to be the first to hear about the 2010 schedule, try out new courses for free, and receive discounts not available to the general public! Save your time and money and take a look at the courses available online through ACS.

ACS Webcast Short Courses provide the same quality training for which ACS has long been known. However, the courses are presented over the Internet, so they offer added convenience and flexibility.

Economical. Most ACS Webcasts cost less than \$100 an hour, which is far less than most technical training.

Easy. Our technology is easy to use and works with all typical computer systems, so virtually anyone can easily view a webcast from the comfort of their home, office, or lab.

Convenient. Class attendance is NOT required. If you miss a class, simply use your on-demand access to the session recording so you can catch up on your own time.

Informative. All class materials are available for download, and you can email the instructor anytime.

There are expanded course offerings in analytical, organic, pharmacology, engineering, instrumentation, and other areas. For the full list of Webcast Short Courses and more information on available discounts, visit [www.proed.acs.org](http://www.proed.acs.org).

### *Speak for Science*

Less than 10% of the 535 members of Congress have backgrounds in science and engineering. Yet every day, legislators are asked to make important decisions that affect our nation's scientific enterprise. You and your committee members can help them make informed decisions by joining the ACS Legislative Action Network (LAN).

The LAN is a Web-based political involvement program that gives you an easy, effective way to voice opinions on legislation effecting federal research to K-12 science education.

As you may know, for decades ACS has been a respected source of information and advocacy on Capitol Hill. Often this input is provided in formal testimony before committees and panels making decisions on spending and legislation relating to science and engineering.

But just as important, members of Congress listen to their *constituents* and value their timely input. That's where you and your committee members can play a valuable role as members of the LAN.

Prior to key congressional decisions, ACS staff sends e-mail alerts to LAN members with background information, the analysis of the potential effect an issue would have on the scientific enterprise, and ACS's position. By clicking on a Web link, participants can go directly to the ACS Legislative Action Center, where they are given background information on the topic and a proposed message that can be easily personalized and sent directly to legislators—the entire process takes only a few minutes.

It's free, simple, and done entirely via the Web. But more to the point, by participating in the LAN, chemists can impact federal policies critical to chemistry and our nation. Please register online at [www.act4chemistry.org/register.cfm](http://www.act4chemistry.org/register.cfm).

If you would like more information on the Legislative Action Network, please contact the ACS Office of Public Affairs at 1-800-227-5558, ext. 4386, or [b.smith@acs.org](mailto:b.smith@acs.org). Participate and become your legislators' "face of science."

*Summary of San Diego Section  
Executive Board Meeting, February 4, 2010*

Budget - David Wallace presented proposed budget; includes funds for International Year of Chemistry in 2011: Approved.

Leadership Institute - Around 300 attended (including John Palmer representing WCC) in Fort Worth; Bill Szabo noted that San Diego Section is very active compared to many sections, for which we should be proud, and activity is indicated by how often a section updates website (San Diego updates weekly) compared to some sections that update yearly.

Seminar Committee - Working via e-mail at this point; Feb. 24<sup>th</sup> seminar - Dr. Richard Soll plus student poster.

Professional Development - Randy is looking for someone to chair this committee.

Website - Discussion of how to use Google Docs; possible uses: posting Board meeting agenda, posting Board member directory in a secure site, posting a list of companies amenable to school tours.

YCC - Tour of Stone Brewery was filled; planning career fair, UCSD students heavily involved in planning; looking for panelists and speakers to discuss opportunities available after graduation; looking to schedule events at other schools; also planning to sponsor a financial seminar.

WCC - Need a chair for this committee.

Affiliates - Randy has had inquiries regarding affiliate memberships; affiliate members may participate in meetings, but not allowed to vote in Section elections.

Law Committee - Sponsored very successful seminar "What Every Bench Chemist Needs to Know About IP"; approximately fifty in attendance.

Fundraising - Pfizer is a new bronze sponsor plus donating \$1K for ChemExpo; Fish & Richardson renewed sponsorship.

Public Relations - Placing announcements on new LinkedIn group; suggesting regular Newsletter space devoted to professional development; exploring SignOnSanDiego to post important functions.

Retired Chemists - 50-60 Year Luncheon scheduled for July 11<sup>th</sup>; finalize with Tom Ham's Lighthouse; Retired Chemists Breakfast scheduled for Mar. 9<sup>th</sup> but Tom will be away then.

Innovative Program Grants - Submitted proposal for three seminars of chemists-turned-entrepreneurs: Assess your readiness, funding opportunities, logistics of operating a business.

Community Outreach - Looking for contacts/companies open to school tours; currently Illumina, Pharmatek receptive to tours; Randy will contact the companies before passing information to schools.

Seminars - 60 attending last Section seminar at Ardea seminar (40%+ no-shows).

Annual Report - Still putting draft together, planning to complete over this weekend; propose submitting Section for awards for Govt Affairs, membership involvement, National Chem Week; needing report from Website Committee; budget report completed.

MadScience - Four programs scheduled in February for daytime program; no responses from potential school sites for evening programs.

MedChem - UCSD will provide \$500 toward this year's program: Friday July 23<sup>rd</sup> Price Theater reserved; Emmanuel Theodorakis also confirmed his participation; suggestion to form poster committee to arrange posters both for Section seminars and MedChem.

Earth Day - Section sponsored booth at San Diego Earth Fair last year and again at Scripps; Scripps asked us to participate again, emphasis of the event is green chemistry; Julann volunteering to chair the effort but needing others to assist; National is encouraging sections to sponsor Earth Day activities.

National Meeting - Six councilors scheduled to attend; Ved and Paul F not attending; Desiree as Alt. Councilor will attend; Board sees no important business to send another alternate.

San Diego Science Festival - Sat. Mar 27<sup>th</sup> Petco Park 10'x20' booth; committee members for this event: Masha, Renate, Mohan, Bill S; Masha has invented a game to repeat from last year; International Year of Chemistry in 2011 - looking for volunteer to lead our efforts, National has literature to send; each quarter of the year has a different theme; Joanna volunteered to chair Section efforts.

National Chemistry Week (RS) - Theme "Chemistry in the Movies".

Paul F. resigning as councilor necessitated by move away from San Diego.

Next meeting: Mar. 3<sup>rd</sup>.



**International Year of  
CHEMISTRY  
2011**

# Knobbe Martens

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### ATTENTION BIOTECH COMPANIES

High school teachers seek biotech field trips for their students. If you are amenable to giving tours to high school students, please contact Renate Valois at [renate@sandiegoacs.org](mailto:renate@sandiegoacs.org)

### 2010 ACS REGIONAL MEETINGS

41st MARM - April 10-13, Wilmington, DE  
<http://www.marmacs.org/2010/index.html>

37th NERM - June 2-5, Potsdam, NY  
[http://pluto.potsdam.edu/nerm2010/index.php/Main\\_Page](http://pluto.potsdam.edu/nerm2010/index.php/Main_Page)

42nd CERMACS - June 16-19, Dayton, OH  
<http://www.cermacs2010.org/>

65th NORM - June 20-23, Pullman, WA  
<http://norm-rmrm2010.wsu.edu/>

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

### 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  
Ghouri 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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## Create Your Own Local Networking Job Club

Energize your job search by creating your own local job club. Go to [www.acs.org/careers](http://www.acs.org/careers) under ACS Career Advice, then to [Job Search Essentials](#) for this and other job search information.

### Starting a Job Club Checklist

- Determine your membership.
- Name your group.
- Fix a place, time, and frequency for meetings.
- Figure out finances.
- Plan programs.
- Set expectations for and from members.
- Communicate within and about your group.
- Celebrate successes.

### Determine Your Membership

- Will you be open to anyone who wants to join? ACS members only? By invitation only?
- Will you have only unemployed members? Employed, but looking for a better position? Employed, and willing to give advice to others?
- Will you recruit all members at the start, or allow people to come and go?

### Name Your Group

Pick a name that defines your mission. You could be a Job Club, Community Action Team, Careers in Transition, Community Employment Action Team, or support group. Or get creative: Maybe your members will be more excited about a Chemists Conquer Careers Club.

### Fix a Place, Time, and Frequency for Meetings

People will be more likely to come if the meetings are at a regular time and place. A regular time and place also create a sense of normalcy and rigor. This type of regular activity can be very useful for people who don't currently have that in their work life.

You can probably use a room for no charge at a local college, university, or company, especially if you have someone on the organizing team who works there. Otherwise, you can try a coffee shop, library, bookstore, church, or other public place. If you have to pay for a meeting place, you either need to find a sponsor, or collect dues from members.

You could meet early in the morning before work, for lunch, or over or after dinner.

### Figure Out Finances

If you find a free place to meet, and don't meet over meals, you probably won't have any expenses. If you meet over a meal, you can make it Dutch treat and handle expenses at each meeting. If you have to pay for the meeting room, or have more complicated food arrangements, you may need to collect dues and have a treasurer.

### Plan Programs

People will be more willing to attend if there is a topic, agenda, and featured speaker on a career-related topic. Make sure to plan enough time for the presentation, questions, and networking.

Potential speakers include people who can talk on trends in your industry, business reporters, résumé writers, career coaches, authors of books on career-related topics, HR managers, representatives of placement agencies, or headhunters. You can also have members share their expertise on what has worked, what hasn't, what they know about local companies, and so on.

Make sure to build in some fun and activities to let the participants get to know each other on a personal level.

### Set Expectations For and From Members

Each member should always bring a pen, paper, business cards, and possibly résumés.

At each meeting, establish an understanding of the expectations of each participant, which may include constructive criticism only, respecting confidentiality requests, coming prepared, and honesty. You may also limit complaining to 30 seconds per person, before moving on to more constructive conversations.

### Communicate Within and About Your Group

Set up an e-mail list, ACS Network group, Facebook group, or other means for your members to communicate between meetings. Encourage posting of openings, tips, etc., and publicity of the group to other people. You may or may not want to make the membership list public.

Contact local media, as well as local companies, and let them know about your club. Media coverage means more employers will hear about your members.

### Include Accountability

You may want to have a part of the meeting where each person reports on their progress since the last meeting, solicits advice, then makes a plan for what they will do before the next meeting. They can share the mini-successes too, such as setting up informational meetings, securing interviews, making new contacts, and so on. This reporting process creates personal accountability and encourages group members to set personal goals and meet them. If your group is large, you may want to break into smaller groups for this part of the program.

### Articles

For Networking and Support, Join or Start a Job Club  
[http://www.quintcareers.com/job\\_club.html](http://www.quintcareers.com/job_club.html)

### What is a Job Club?

<http://abcnews.go.com/GMA/JobClub/story?id=6121035&page=1>

### How To Start a Job Club

<http://abcnews.go.com/GMA/JobClub/story?id=6121092&page=1>

### *President Obama Announces National Lab Day*

On November 23<sup>rd</sup>, President Barack Obama announced the establishment of National Lab Day, an effort supported by ACS and 190 other organizations representing more than 6.5 million science, technology, engineering, and math (STEM) professionals.

The first National Lab Day is tentatively set for early May 2010 and will be part of a large, ongoing STEM initiative called "Educate to Innovate." ACS and other organizers hope National Lab Day will help stimulate more hands-on science learning by fostering enduring collaborations between individual STEM professionals, teachers, and students. ACS Chemistry Ambassadors are already making these connections. To join the effort or learn more, visit

[www.acs.org/chemsitryambassadors](http://www.acs.org/chemsitryambassadors) and  
<http://www.nationallabday.org>

"The difference between school and life? In school, you're taught a lesson and then given a test. In life, you're given a test that teaches you a lesson."

Tom Bodett

## UPCOMING EVENTS

*ACS National Meeting & Exposition*

*March 21 – 25, 2010*

*San Francisco, California, USA*

[http://portal.acs.org/portal/acs/corg/content?nfpb=true&pageLabel=PP\\_TRANSITIONMAIN&node\\_id=2060&use\\_sec=false&sec\\_url\\_var=region1&uuid=add14ddd-8203-4ed0-87af-fe88959516cb](http://portal.acs.org/portal/acs/corg/content?nfpb=true&pageLabel=PP_TRANSITIONMAIN&node_id=2060&use_sec=false&sec_url_var=region1&uuid=add14ddd-8203-4ed0-87af-fe88959516cb)

\*\*\*\*\*

*San Diego Science Festival 2010*

*March 20-27*

*Expo Day at PETCO Park: March 27*

[www.sdsciencefestival.com](http://www.sdsciencefestival.com)

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*The 56<sup>th</sup> Annual Greater San Diego Science and Engineering Fair*

*March 23 - 28, 2010*

*Balboa Park*

<http://www.gsdsef.org/home.asp>

\*\*\*\*\*

*20<sup>th</sup> Annual Event Earthfair 2010*

*April 18, 2010*

*Balboa Park*

<http://www.earthdayweb.org/>

\*\*\*\*\*

*The 14<sup>th</sup> Annual Green Chemistry & Engineering Conference,*

*June 21-24, 2010*

*Washington, DC*

[www.gcande.org](http://www.gcande.org)

\*\*\*\*\*

*Summer Picnic*

*June 27, 2010*

*San Dieguito County Park, Solana Beach*

\*\*\*\*\*

*13<sup>th</sup> Annual San Diego*

*MedChem Symposium*

*Friday, July 23*

*Price Center Theater at UCSD*

\*\*\*\*\*

*Fifty/Sixty Year Member Luncheon*

*Sunday, July 11, 2010*

*Tom Ham's Lighthouse*

\*\*\*\*\*

*Chem Expo*

*Sunday, October 31, 2010*

*Casa del Prado Plaza, Balboa Park*

\*\*\*\*\*

### *Tentative Executive Board Meetings 2010*

*6 PM – 8 PM*

Wednesday	March	3
Tuesday	April	6
Tuesday	May	4
Thursday	June	3
Wednesday	July	7
Thursday	August	5
Tuesday	September	7
Tuesday	October	5
Wednesday	November	3
Thursday	December	9

*Meetings will be held at*

*Pharmatek Laboratories, Inc., 7330 Carroll Road, Suite 200, San Diego, CA 92121*

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

**CHEMPLOYMENT ABSTRACTS - MARCH 2010**

<p><b>CHEMPLOYMENT 738</b></p> <p><i>Position Title</i> Analytical Chemistry / Formulation Senior Research Associate / Scientist</p> <p><i>Job Description</i> The primary responsibilities of the position include developing formulations for novel compounds generated in our research program and advancing into <i>in vivo</i> studies. The successful candidate will have experience developing formulations suitable for both oral and parenteral routes of administration to rodents. The ideal candidate will be expected to operate HPLC and LC / MS equipment to characterize the availability / stability / homogeneity of the developed formulation.</p> <p><b>QUALIFICATIONS DESIRED</b> <i>Education</i> A BS/MS degree and 5 years of pre-clinical research formulation experience or a PhD / Pharm D. degree in chemistry or pharma-cology and a minimum of 2-3 years of pre-clinical research formulation experience are required.</p> <p><i>Experience</i> Ideal candidates will possess significant prior experience operating chromatographic instruments. Prior experience developing drug formulations for species in addition to rodents as well as analysis of PK samples and performing other quantitative ADME measurements would be a plus. Preference will be given to candidates demonstrating hands on experience with LC/MS systems. This position requires superior communication skills and the ability to work well in a multidisciplinary, team-oriented environment.</p> <p><i>Description of Company</i> Trius Therapeutics, Inc. (<a href="http://www.triusrx.com">www.triusrx.com</a>) is a leading biotech company discovering and developing innovative antibacterial drugs for the treatment of life-threatening infections. Trius has an immediate opening for a self-motivated and experienced formulation chemist.</p> <p><i>Application Instructions</i> To apply for this position, please send your CV and a brief cover letter highlighting your relevant experience in confidence to <a href="mailto:careers@triusrx.com">careers@triusrx.com</a>. Please include the words "formulation chemist" in the email subject line. Proof of eligibility to work in the U.S. is required under a form I-9. No telephone calls please.</p>	<p><b>CHEMPLOYMENT 739</b></p> <p><i>Position Title</i> Laboratory Technician I</p> <p><i>Job Description</i> The general purpose of this position is to provide support for the Chemistry and Biochemistry Department in its General Chemistry, Analytical Chemistry, and Core Curriculum Chemistry ("GAC") laboratories at the University of San Diego in the Donald P. Shiley Center for Science and Technology (ST).</p> <p>Job IRC#928</p> <p><b>QUALIFICATIONS DESIRED:</b> 1. One of the following two combinations of education and experience is required:  A bachelor's degree in Chemistry or Biochemistry and one year of laboratory experience in Chemistry, Biochemistry, or a closely related research discipline. OR A post-graduate thesis-based degree (Masters or Ph.D.) in Chemistry or Biochemistry.  2. Laboratory prep experience is preferred.</p> <p><b>DESCRIPTION OF COMPANY:</b> The University of San Diego offers a very competitive benefits package, to include medical, dental, vision, tuition remission, a 12% retirement contribution given to you by the University, and access to on-campus Fitness Centers. Please visit the benefits section of our website to view all of the perks and benefits that USD has to offer: <a href="http://www.sandiego.edu/administration/businessadmin/humanresources/benefits">http://www.sandiego.edu/administration/businessadmin/humanresources/benefits</a></p> <p>Closing date: 2/21/2010</p> <p><b>APPLICATION INSTRUCTIONS:</b> Apply: <a href="http://apptrkr.com/136408">http://apptrkr.com/136408</a></p> <p>EOE</p>	<p><b>CHEMPLOYMENT 740</b></p> <p><i>Position Title</i> Solvent Ink Chemist</p> <p><i>Job Description</i> This position is for developing Solvent Type inks, such as Solvent, Glycol, and Oil Based, for Piezo inkjet printing. In addition, the chemist will be responsible for testing and taking the inks to successful manufacturing scale-up. The chemist will need to address customer issues also.</p> <p><b>QUALIFICATIONS DESIRED</b> Broad knowledge of solvent ink ingredients Strong polymer experience Expertise in the use of inkjet ink laboratory equipment</p> <p><i>Education</i> BS, MS or PhD in Chemistry, Chemical Engineer, or Material Engineer</p> <p><i>Experience</i> Experience with solvent ink development for Piezo print heads is a must. Experience with CIJ ink development is desired.</p> <p><i>Description of Company</i> Sensient Technologies Corporation is a leading global manufacturer and marketer of colors, flavors and fragrances, employing technologies to develop specialty food and beverage systems, cosmetics and pharmaceutical systems, inkjet and specialty inks and colors.</p> <p><i>Application Instructions</i> Mail or fax résumé to <a href="mailto:joan.yue@sensient-tech.com">joan.yue@sensient-tech.com</a></p>	<p><b>CHEMPLOYMENT 741</b></p> <p><i>Position Title</i> Manufacturing Manager</p> <p><i>Job Description</i> The position reports to the Executive Director of Manufacturing and is responsible for all aspects of plasmid manufacturing operations. This includes scheduling of production planning and processing of material for pharmaceutical-grade plasmid DNA for clinical trial and eventual commercial usage.</p> <p>The Manufacturing Manager will, either directly or through subordinate staff, meet manufacturing objectives, perform cleaning validation on process equipment, and perform process validation to cGMP and SOP standards.</p> <p>The candidate will manage the multiple unit operations such as microbial fermentation, large-scale buffer prep, and downstream recovery operations such as cell lysis and chromatography. The candidate will write validation protocols and summarize results in technical reports, investigate and write reports on process deviations, manage operator training, and participate in plant inspections.</p> <p><b>QUALIFICATIONS DESIRED</b> <i>Education</i> A bachelors or advanced degree in Chemical or Biochemical Engineering with 5 – 10 years of experience in a manufacturing pharmaceutical or biological products. Other related degrees will be considered.</p> <p><i>Experience</i> - Experience creating production and technical project schedules and achieving manufacturing deadlines and budgets in cGMP environment. - Experience using bioprocessing equipment such as stirred-tank bioreactors, continuous flow centrifuges, UF skids, process tanks, and automated CIP systems. - Demonstrated ability to improve quality, reduce cost, and resolve complex problems through comprehensive analysis of critical data. - Experience with process technical transfer from development into cGMP manufacturing is required. - Must have previous supervisory experience, and strong interpersonal and organization skills. - Effective oral and written communication skills are essential.</p> <p><i>Description of Company</i> Please visit <a href="http://vical.com/">http://vical.com/</a></p> <p><i>Application Instructions</i> To apply, please reference the job code (<b>Job Code 201001</b>) in your cover letter and submit with your résumé to Human Resources at <a href="mailto:hr@vical.com">hr@vical.com</a>.</p>
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**CHEMPLOYMENT 742**

**Position Title**

Associate Director (self-employed)

LOCATION: Not bound to location

**Job Description**

This position will be responsible to perform all essential functions related to management and sales of the drug development services including chemicals for screening, building blocks and custom synthesis for medicinal chemistry.

Candidates should be comfortable with the sale of compound libraries, custom synthesis and other medicinal chemistry services targeted at senior level executives. Commission based position paid on the value of services sold.

**QUALIFICATIONS DESIRED**

- Experience in drug discovery and other life science services;
- Network of related contacts, ability to expand and develop larger sales network with CEOs, and heads in marketing, sales, R&D departments at large organizations and start-ups in the healthcare sector.

**Education:**

Strong selling background

**Experience:** Drug discovery services

**COMPENSATION**

Commission based position paid on the value of services sold.

**Description of Company**

Aurora Fine Chemicals is a global services company with the operations in the US and Europe (Austria). Founded in 1990 in Graz, Austria, Aurora is a team of professional employees providing pre-clinical chemistry services, scale up, and manufacture of fine chemicals to pharmaceutical and biotechnology companies.

**Application Instructions**

If you are interested, please e-mail: [nicholas.nigro@aurorafinechemicals.com](mailto:nicholas.nigro@aurorafinechemicals.com)



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*For information contact:*

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

**UPCOMING EVENTS IN THE SAN DIEGO SECTION**

- 3/9 Seniors/Retirees/Consultants/etc. Breakfast, Thursday, March 11<sup>th</sup>  
Marie Callender's Restaurant & Bakery, 11122 Rancho Carmel Drive, San Diego
- 3/18 William B. Martin, Ph.D., Director, FDA Pacific Regional Labs Southwest  
"Adulterants, APIs and Quality Challenges in Dietary Supplements"
- 3/27 San Diego Science Festival's Expo Day, PETCO Park

*EXECUTIVE BOARD & COMMITTEE MEMBERS – 2010*  
*SAN DIEGO SECTION OF THE AMERICAN CHEMICAL SOCIETY*

<i>Chair</i>	Randall Smith	<a href="mailto:sigma147@cox.net">sigma147@cox.net</a>	760-295-7271
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	Masha Sergeeva, Anadys Pharmaceuticals		858-530-3725
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	Paul W. Maffuid, Biopharmalogics, Inc.		858-354-7010
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	Thomas Stockfisch, Stockfisch Consulting		760-497-4108
	Mohan Thiruvazhi, Incedis Therapeutics		858-405-2125
	Jean Wang, IriSys Inc.		858-623-1520
	Mingzhu Zhang, Medicilon		858-504-1256
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	Barbara Sawrey, UCSD		858-822-4358
	David Wallace		858-638-1866
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	Kelsey Hoontis, Genentech		760-231-2440
	Joanna Pool, Hewlett-Packard Company		858-655-5568
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