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# THE SAN DIEGO CHEMIST

American Chemical Society  
Volume 22, Number 4

San Diego Section  
April 2010

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## Taylor Crouch

CEO, eStudySite

### "The Pros And Cons Of A Career In Drug Development: From Discovery To The Clinic"

**DATE:** Tuesday, April 27, 2010

**TIME:** 6:00 PM Social Hour, Light Dinner

7:00 PM Lecture

**PLACE:** Takeda San Diego  
10410 Science Center Drive, San Diego

**RSVP:** By Thursday, April 22, 2010  
<http://sandiegoacsapril2010.eventbrite.com>



#### **About the Speaker:**

Mr. Crouch has 25 years of drug development and commercialization experience spanning large pharmaceutical companies, biotech, and the CRO industry. Most recently, he was Senior Vice President of Operations and President International at Ligand Pharmaceuticals (Nasdaq: LGND), with responsibilities for new business development, technical operations (manufacturing, clinical and commercial drug supply, CMC) as well as international sales, clinical research, and regulatory affairs. Prior to Ligand, he was President and COO of Discovery Partners, a large drug discovery services and technology provider. Earlier in his career he was CEO of Variagenics (a leading pharmacogenomics company), SVP Marketing and Sales at Parexel (a global CRO), and he held international management positions in new product development and commercialization at Pfizer and Schering Plough. Mr. Crouch previously served on the board of Bruker Biosciences (Nasdaq: BRKR), a major provider of analytical instrumentation to the life sciences industry. Mr. Crouch has a BSE in chemical engineering, *cum laude*, from Princeton University and an MBA in international marketing and finance from the University of Chicago.

#### **About the Lecture:**

Taylor Crouch, CEO of eStudySite, will discuss the pros and cons of pursuing a career in drug development. Mr. Crouch will highlight the drug development process, covering many of the steps involved, functions, and issues associated with drug development. Drawing on his experience across the pharma landscape, from large pharmaceutical companies, biotechs, CROs, and most recently in clinical research, this seminar will provide a backdrop and discussion about the industry. This seminar will perhaps provide food for thought to those interested in this industry as a career path, or to those already working in this industry and struggling to address the changes and challenges around them.

Dear Members and Friends,

February is behind us and March is well underway. As a Section, we've successfully wrapped up 2009 by submitting our yearly Section report to National. In addition, thanks to the hard work of **Ruo Steensma** and **Sonja Strah-Pleyner**, we managed to submit an Innovative Project Grant for a professional development and entrepreneurial event before the deadline in February. Also in February we heard from **Dr. Richard Soll** of WuXi Apptec on the changing paradigm of drug discovery and how we, as chemists, could effectively address these challenging times.

Usually, when we think of the life sciences and the place chemistry has, we think of pharmaceutical research and discovery. However, there is a wide world of other applications, from flavorants to nutraceuticals, and from health and beauty aids to dietary supplements, where the skills of chemists can apply. For our March seminar, **Dr. Tesersa Cain** of the FDA will be speaking on March 18th about regulation of APIs, adulterants, and ingredients in nutritional supplements. Also, in March will be the San Diego Science Festival. The Section will be presenting an exhibit called "The Billion Dollar Molecule" on March 27<sup>th</sup> during Expo Day at PETCO Park. There will be loads of events for the whole family to enjoy there, so come on out!

In other news, I'd like to welcome **Dr. Paul Maffuid** as the Chair of the Professional Development Committee. We're still looking for an interested member to head up the Women Chemists Committee. If you have been thinking about becoming involved, or more involved, in your Local Section, I would encourage you to attend the board meetings held on the first week of each month. The date and location can be found on the Section's web site (<http://www.sandiegoacs.org/>).

Randy Smith, PhD  
Chair 2010

**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.

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**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/>

#### Review of Chemistry Case Law: 2009/2010

(Note: This event is geared toward legal professionals)

**Date:** Thursday, April 29, 2010  
**Time:** 5:30-8:00 PM  
**Place:** DLA Piper LLP  
4365 Executive Drive, Suite 1100, San Diego, CA 92121

#### Format:

Four presenters will review four recent IP cases relevant to chemistry. Each presenter will have 20 minutes, followed by 10 minutes of questions. Registration will start at 5:30 PM; the program will start at 6:00 PM.

#### Program:

6:00: Ex parte Pfizer  
Issue: Proving Inherent Anticipation  
Presenter: Michael Smith (Morrison & Foerster LLP)

6:30: Wyeth v. Kappos  
Issue: Patent term adjustment calculations  
Presenter: Edward Robinson (DLA Piper LLP)

7:00: Boehringer Ingelheim Int'l. v. Barr Labs  
Issue: Doctrine of obviousness-type double patenting  
Presenter: Victor Behar (McDermott Will & Emery LLP)

7:30: Mayo v. Prometheus Labs, in view of Bilski  
Issue: What types of subject matter are patentable  
Presenter: Donald Lewis (Lewis Kohn & Fitzwilliam, LLP)

Please RSVP by Tuesday, April 27, 2010 to:  
<http://lawcommitteeapril2010.eventbrite.com>

#### 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".

#### 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)

**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:

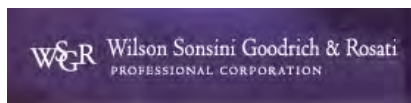
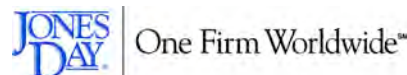
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2011



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 150 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  
**BOOTHS:** HP15 - HP16 in the Home Plate gate area



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!*

**SEE YOU THERE !**

# CHEMISTRY FOR YOU AND YOUR KIDS

## Get the Facts

**Fats, carbohydrates, and proteins** are the three main nutrients in the food we eat. Vitamins and minerals are also important, but this *WonderScience* will focus on fats, carbohydrates, and proteins. Fats have a bad reputation because eating too much fat can be harmful to the body. The fats people eat can come from either plants or animals. Fats from plants and animals are similar in some ways but different in others. In the activity below, you can do some simple experiments to learn some fat facts!

### You will need

- Eye protection · Tablespoon of butter · Tablespoon of vegetable oil · Brown paper bag · Wax paper ·
- Blunt-end scissors · Water · Masking tape · Plastic straw · Bowl · 3 zip-closing plastic bags ·
- 2 clear plastic cups · Cotton swabs · Ballpoint pen ·

1. Cover your work surface with newspaper. Use your masking tape and pen to label three plastic bags **water**, **butter**, and **oil**. Ask your adult partner to pour hot tap water into a bowl until it is about 1/2 full. Place about 1-2 tablespoons of water, vegetable oil, and water in 3 separate zip-closing bags.
2. Make sure all three bags are sealed. Place the bags in the bowl of water and leave them there until the butter becomes liquid.
3. Place a piece of brown paper bag flat on your work surface. Use your pencil to divide the paper into three sections. Label the sections **water**, **butter**, and **oil**.
4. Dip a separate cotton swab into the liquid in each bag and place the wet end of the swab on its labeled areas on the paper. Reseal the bags and put them back into the water. Go on to the next step; we'll come back to these cotton swabs later.
5. Tape a piece of wax paper flat on your newspaper. Use separate straws to place a drop of water, a drop of oil, and a drop of butter on the wax paper. Observe each drop for similarities and differences. Try dragging each drop along the paper with the straws. What did you observe?
6. Again on your wax paper, use a straw to try mixing a few drops of oil with a few drops of water. Try the same thing with butter and water. How well did they mix? Now try mixing some oil and butter. Did they mix any better?
7. Pour cold tap water into a bowl until it is about 1/4 filled. Pour about 1/2 the butter and about 1/2 the oil from their bags into separate small plastic cups. Place the cups in the water and hold them there so they do not spill. What do you notice happening to either the butter or the oil?
8. Let's look back at your brown paper bag. Do you see any similarities or differences in the way the liquid look on the brown paper? Do the butter and oil marks look similar, or does either one look like the water?
9. Fill 2 paper or plastic cups about 2/3 full of tap water. Pour the rest of the oil into one cup and the rest of the butter into the other cup. What did you observe about each liquid? How are they similar or different?

Excerpt: "The Best of WonderScience," pp. 146-147, Delmar Publishers, 1997

### School's Annual "Career Choices Fair"

The ACS - San Diego Section participated in Patrick Henry High School's annual "Career Choices Fair". Hundreds of technology students viewed exhibits from Caltrans, the Army Corps of Engineers, several colleges and universities, Scripps and UCSD Med. Ctrs.---even an actuarial firm (they hire mathematicians!), *et al.*



"I have so completely forgotten what I have myself published, that in reading my own writings, what I find in them often appears perfectly new to me, and I have more than once made experiments, the results of which have been published by me."

Joseph Priestley



This year's theme: *Plants – The Green Machines*

See : [www.acs.org/earthday](http://www.acs.org/earthday)

Educational resources illustrate the positive role that chemistry plays in the world.

The Local Section of the American Chemical Society will participate again in this year's ACS Earth Day.

**EarthFair 2010 Sunday, April 18, 2010**

EarthFair in Balboa Park is the largest free annual environmental fair in the world. EarthFair 2010 will be our 20th anniversary – the 40th anniversary of the first Earth Day!

For more information please visit

<http://www.earthdayweb.org>

If you are earth friendly and want to join us, please contact Julann Miller at [jmiller@sandiegoacs.org](mailto:jmiller@sandiegoacs.org)

## Summary of San Diego Section Executive Board Meeting, March 3, 2010

Public Relations - Looking for contributors to page in Newsletter re: career development.

Prof Development - Paul Maffuid has accepted position of committee chair; planning career workshops and career development tools for Website; also working with YCC on professional development activities; please forward ideas / contacts from other organizations with similar interest - e.g., AWIS, GWIS, Native American (may be more effective if contacted through Education Committee).

Website / Newsletter - Unresolved glitch in Goggle Docs at this time that does not permit all members of a group to view documents; Constant Contact is getting easier to manage; Julann has been updating Board member bios, so please review; continuing concern that readership is sparse; suggestion that the Newsletter be announced at each monthly meeting to encourage members to refer to it; Board interested in continuing data on number of Newsletter announcements sent and number of page hits on Newsletter.

WCC - Randy putting out feelers for committee chair (noted that National Board chair and ACS Executive Director are women).

Law - Seminar was big success, planning case law event for April targeted for legal professionals.

Fund Raising - Pacific World Discovery new as bronze sponsor; to increase Chememployment ads, Randy is offering companies sponsoring seminars have two months Chememployment ads for no further cost; suggestion to announce new job postings through Constant Contact (all postings currently available through LinkedIn).

Seminar - Nuvasive was gracious host, but site did not have accessible AV equipment; suggestion that Section invest in AV equipment; Radio Shack has karaoke system for \$130, wireless microphone for \$50; March seminar - Dr. William Martin FDA @CellGene; April and May not set; June - (need venue) propose Dr. Michael Metzger from Baylor U discussing DNA sequencing, but Section would need to pay for his hotel for one night; Annual Picnic June 27.

**Motion:** Section pay for Dr. Metzger visit to present at seminar - **Approved.**

MadScience - Six programs completed; 12 of 22 set for dates for Spring.

MedChem - Scheduled for July 23 - Five speakers invited, two declined due to conflicts.

Sr. Chemist Breakfast - Switched to Mar. 11, nine confirmed; Tom will send more invites; Ken to announce through ListServ.

Science Festival - Mar. 27 at PETCO Park; our booth will be located behind home plate; PETCO Park will not allow anything with adhesives such as Milli Mole; Renate has arranged for volunteers in three shifts; Randy as photographer; all volunteers need to be on official list and receive ID wrist band; booth will display 18' banner on drug discovery (same as previous year except Science Festival logo will be updated); cost for volunteer parking unknown; Section will reimburse for parking or trolley fare for volunteers if free parking is not available; promotion has been sparse; copies of Merck Index still available for Section use.

Greater SD Science Fair - Mar. 24, needing judges, 5-6 committed but needing someone to coordinate effort.

Earth Day - Julann handling activities; TSRI also looking for Green Chemistry booth for a fair at the facility.

Annual Report - finished and approved by Barbara on time.

## 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.

## 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 was 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!

## ACS Fellows Program 2010

After a very successful first year, the ACS Fellows Program is open for nominations for 2010 Fellows. **Nominations will close on Friday, May 7, 2010.** Program materials, including a nomination form, eligibility requirements, and instructions for submitting a nomination, are available at [www.acs.org/fellows](http://www.acs.org/fellows).

### Eligibility

Nominees for ACS Fellows must be current members in good standing of the ACS. To be selected as an ACS Fellow, a member must have demonstrated excellence in the science/profession and provided outstanding service to the ACS. There must be evidence of exceptional accomplishments and professional attainment in one of the areas with significant contributions in the other.

### Nominations

Nominations for Fellows will be solicited through multiple sources, including technical divisions, local sections, ACS committees, and individuals. Each local section may nominate up to the number of councilors from the local section. The primary nominator must be an officer or councilor of the section. However, secondary nominators need not be from the section. If the chair is not the primary nominator, he or she must provide written endorsement of the nomination. Each primary and secondary nominator must submit a letter of recommendation in support of the nomination. Self-nominations will not be accepted.

### Selection

Fellows will be selected by a broadly representative Selection Committee appointed by the Board Committee on Grants and Awards.

### Additional information

Additional information on the ACS Fellows Program can be obtained by visiting [www.acs.org/fellows](http://www.acs.org/fellows) or by sending an e-mail to [fellows@acs.org](mailto:fellows@acs.org).

"The sciences have developed in an order the reverse of what might have been expected. What was the most remote from ourselves was first brought under the domain of law, and then, gradually, what was nearer: first the heavens, next the Earth, then animal and vegetable life, then the human body, and last of all (as yet very imperfectly) the human mind."

Bertrand Russell

## Where the Law and Science Meet

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### 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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### 2010 ACS REGIONAL MEETINGS

41st MARM - April 10-13, Wilmington, DE

**Registration Is Now Open !**

<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

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**CHEMPLOYMENT ABSTRACTS - April 2010**

<p><b>CHEMPLOYMENT 740</b></p> <p><b>Position Title</b> Solvent Ink Chemist</p> <p><b>Job Description</b> 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><b>Education</b> BS, MS or PhD in Chemistry, Chemical Engineer, or Material Engineer</p> <p><b>Experience</b> Experience with solvent ink development for Piezo print heads is a must. Experience with CIJ ink development is desired.</p> <p><b>Description of Company</b> 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><b>Application Instructions</b> 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><b>Position Title</b> Manufacturing Manager</p> <p><b>Job Description</b> 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> <b>Education</b> 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><b>Experience</b></p> <ul style="list-style-type: none"> <li>- Experience creating production and technical project schedules and achieving manufacturing deadlines and budgets in cGMP environment.</li> <li>- Experience using bioprocessing equipment such as stirred-tank bioreactors, continuous flow centrifuges, UF skids, process tanks, and automated CIP systems.</li> <li>- Demonstrated ability to improve quality, reduce cost, and resolve complex problems through comprehensive analysis of critical data.</li> <li>- Experience with process technical transfer from development into cGMP manufacturing is required.</li> <li>- Must have previous supervisory experience, and strong interpersonal and organization skills.</li> <li>- Effective oral and written communication skills are essential.</li> </ul> <p><b>Description of Company</b> Please visit <a href="http://vical.com/">http://vical.com/</a></p> <p><b>Application Instructions</b> 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>	<p><b>CHEMPLOYMENT 742</b></p> <p><b>Position Title</b> Associate Director (self-employed)</p> <p>LOCATION: Not bound to location</p> <p><b>Job Description</b> 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.</p> <p>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.</p> <p><b>QUALIFICATIONS DESIRED</b></p> <ul style="list-style-type: none"> <li>- Experience in drug discovery and other life science services;</li> <li>- Network of related contacts, ability to expand and develop larger sales network with CEOs, and heads in marketing, sales, R&amp;D departments at large organizations and start-ups in the healthcare sector.</li> </ul> <p><b>Education:</b> Strong selling background</p> <p><b>Experience:</b> Drug discovery services</p> <p><b>COMPENSATION</b> Commission based position paid on the value of services sold.</p> <p><b>Description of Company</b> Aurora Fine Chemicals, 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.</p> <p><b>Application Instructions</b> If you are interested, please e-mail: <a href="mailto:nicholas.nigro@aurorafinechemicals.com">nicholas.nigro@aurorafinechemicals.com</a></p>	<p><b>CHEMPLOYMENT 743</b></p> <p><b>Position Title</b> Research Investigator, Medicinal Chemistry</p> <p><b>Job Code: MP03-002</b></p> <p><b>Job Description</b> We are seeking self-motivated individuals with a Ph.D. in synthetic organic chemistry and 0 to 5 years drug discovery experience to join our Medicinal Chemistry group. Preferred candidates will have a strong commitment to bench chemistry and will carry out SAR studies, compound optimization, scale up of lead molecules, as well as tool compound synthesis for target validation and identification. Experience in synthetic organic chemistry from mg to gram scale is required. Knowledge of pharmacokinetics is a plus.</p> <p><b>Description of Company</b> The Genomics Institute of the Novartis Research Foundation (GNF), located in the Torrey Pines area of San Diego, CA, is funded by the Novartis Research Foundation and dedicated to the development and application of new methods and techniques for genome-wide biological discovery and biomedical research. GNF provides a unique and challenging opportunity to combine exploratory biomedical research with pharmaceutical drug development in a highly interactive, multidisciplinary environment and state-of-the-art facilities. GNF offers excellent compensation and a great benefits package. Visit our website at <a href="http://www.gnf.org">www.gnf.org</a> EOE</p> <p><b>Application Instructions</b> Please submit your CV and any supporting documents to:</p> <p>Genomics Institute of the Novartis Research Foundation 10675 John Jay Hopkins Drive San Diego, CA 92121 <b>Job Code: MP03-002</b></p> <p>Fax: 858/812-1670 or submit online to <a href="mailto:jobs@gnf.org">jobs@gnf.org</a> (subject line must include <b>MP03-002</b>)</p>
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**CHEMPLOYMENT 744**

**Position Title**  
Chemistry Technician

**Job Description**  
Excellent opportunity to work for an outstanding firm in a terrific environment! In this role you will assist in the development and processing of biofuels. High school graduate or Associate's degree in chemistry or a related subject necessary. Chemistry or chemical lab experience is a plus. Oil or lipid processing experience is desired but not necessary. This is a technical position for someone comfortable in a laboratory setting performing routine experiments as outlined. Excellent communication skills and the ability to follow standard protocols and safety measures is required.  
You must be authorized to work in the US and be in the San Diego area as relocation assistance is not available.

**QUALIFICATIONS DESIRED**

**Education**  
High School or Associate's Degree in chemistry or a related area

**Experience**  
Hands-on experience in a chemical laboratory environment

**Application Instructions**  
For more information or confidential consideration please email your résumé to Claire or Barbara at [resumes@pharmascouts.com](mailto:resumes@pharmascouts.com)

**UPCOMING EVENTS**

**20<sup>th</sup> Annual Event Earthfair 2010**  
**April 18, 2010**  
**Balboa Park**  
<http://www.earthdayweb.org/>

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**Seniors/Retirees/Consultants/etc. Breakfast**  
**June 8, 2010**  
**Marie Callender's Restaurant & Bakery**  
**11122 Rancho Carmel Drive, San Diego**

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**The 14<sup>th</sup> Annual Green Chemistry & Engineering Conference,**  
**June 21-24, 2010**  
**Washington, DC**  
[www.gcande.org](http://www.gcande.org)

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**Summer Picnic**  
**June 27, 2010**  
**San Dieguito County Park, Solana Beach**

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**13th Annual San Diego**  
**MedChem Symposium**  
**Friday, July 23**  
**Price Center Theater at UCSD**

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**Fifty/Sixty Year Member Luncheon**  
**Sunday, July 11, 2010**  
**Tom Ham's Lighthouse**

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**Chem Expo**  
**Sunday, October 31, 2010**  
**Casa del Prado Plaza, Balboa Park**  
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**Tentative Executive Board Meetings 2010**  
**6 PM – 8 PM**

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/>

**NEXT MONTHLY SEMINAR**

4/27 Taylor Crouch, CEO, eStudySite  
**"The Pros And Cons Of A Career In Drug Development: From Discovery To The Clinic".**

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

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	Barbara Sawrey, UCSD	858-822-4358
	Ved Srivastava, GlaxoSmithKline	858-216-6154
	Sonja Strah-Pleyne	858-538-0877
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	Jean Wang, IriSys Inc.	858-623-1520
	Mingzhu Zhang, Medicilon	858-504-1256
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	Joanna Pool, Hewlett-Packard Company	858-655-5568
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