

# Silicon Valley Chemist

Santa Clara Valley Section

American Chemical Society

Volume 30 No. 8

## AUGUST 2008 NEWSLETTER TOPICS

- 2008 Shirley B. Radding Award
- 2008 Santa Clara County Science Fair Report
- Chair's Message
- September Dinner Meeting – The Role of Transporters in Drug Discovery: Developments for Improving Safety and Efficacy
- SCV Election 2008
- Stanford Tech Trek
- A Sneak Peek at National Chemistry Week 2008
- Award Presentations and Picnic
- Chemoployment Abstracts

## Chair's Message

Summer is about halfway finished as I write this, and we just finished with one hot spell. Enjoy the rest of the summer: barbecues, beach or swim parties, kicking back with a tall glass of something cold, and vacations to all sorts of interesting places. As is the section's usual custom, there will be no meeting in August.

The Nominating Committee has selected a slate of nominees for Secretary, Treasurer, and for those counselors and alternate counselors whose terms are completed this year. The slate has been approved by your ExComm. Your ExComm has decided on using VoteNow as the medium to take care of the electronic elections this fall (see the article on the following pages). A committee has been set up to work through the mechanics of what we

*continued on next page*

## 2008 Shirley B. Radding Award Recipient Dorothy J. Phillips

This year's Shirley B. Radding Award recipient is Dr. Dorothy J. Phillips. Dorothy received her B. A. from Vanderbilt University, and Ph. D. from The University of Cincinnati. She has been with Waters Corporation since 1984 where she is Director, Strategic Marketing.



Dorothy has been a Member of ACS since 1973 and has served the Northeastern Section as Councilor from 1995 to the present date. She was also Chair in 1993, Chair-Elect and then Program Chair in 1992. She has served as a Project SEED, Committee Chair, 1994-95; Nominating Committee, Chair, 1994; Centennial Celebration, Co-chair, 1998; and Fundraising Committee, Chair, 2004-07.

Her service in ACS National Offices includes: Council Policy Committee 2008-10; Division of Analytical Chemistry, Chair-Elect, 2008; Committee on Divisional Activities, 2007; Committee on Committees, 2001-2006, Secretary, 2003-2004, Industrial Pipeline Sub-Committee Chair, 2005-2006;

Committee on International Activities, Committee Associate, 1998; Committee on Membership Affairs, 1997-2000, Committee Associate, 1996.

Dorothy has received many honors including Vanderbilt University's Dr.

Dorothy Wingfield Phillips Award for Leadership, 2007-08; Northeastern Section Henry A. Hill Award, 2006; Unsung Heroine Award, Vanderbilt University, 2006; Nashville Section of ACS Salute to Excellence Award, 2004; Honored by TTT Mentor Program of Cambridge, MA, "Minority Role Models in Science, Mathematics, Technology and Engineering", 2004-05; Sigma Xi; Distinguished Alumni, University of Cincinnati, awarded by both McMickens College of Arts and Sciences and Center for Women Studies.

She has been a Delegate with the People to People Ambassador Program to China in 1990 and 2004; and has approximately 70 publications and presentations in analytical chemistry focusing on HPLC.

## 2008 Santa Clara County Science Fair Report

*Howard Peters*

Dr. Bruce Raby, Howard Peters and George Lechner of the ACS Santa Clara Valley Local Section Executive Committee were volunteer judges at SCIENCEPALOOZA ([www.outreach-foundation.org/judges.html](http://www.outreach-foundation.org/judges.html)). This entry-level science fair was held on March 1st at the Santa Clara County Fair Grounds. SCIENCEPALOOZA is a community based science project exclusively for students at the East Side Union High School District (grades 9-12). It encourages first-time science fair participants and includes about 1500 student participants. Many projects that were displayed are then judged at the Synopsys

*continued on page 3*

Chair's Message, continued from front page

need to send to VoteNow. We will keep you posted in the newsletter, and probably on the web site as to when the elections will actually occur.

This year's Radding award recipient was Dr. Dorothy Phillips. As Dr. Phillips could not make it to the picnic, her award will be presented to her at the Analytical Division dinner at the fall National Meeting.

Volunteers will be needed to help with the National Chemistry Week activities in October. Please contact Abby Kennedy [akennedy@exelixis.com](mailto:akennedy@exelixis.com) if you can spend some time helping.

Natalie McClure, Program Chair

---

## September Dinner Meeting

**Date:** Thursday, September 18

**Time:** 6:00 Social Hour  
7:00 Dinner  
8:00 Presentation

**Location:** Biltmore Hotel & Suites  
2151 Laurelwood Blvd.  
Santa Clara, CA 95054

**Speaker:** Dr. David Lustig  
Optivia Biotechnology  
The Role of Transporters  
in Drug Discovery

**Cost:** \$27.00 with a choice of:  
Chicken Cannelloni  
Vegetarian Pasta Primavera

**Reservations:** [www.scvacs.org](http://www.scvacs.org)  
Shirley Radding  
408-246-2564  
408-296-8625 Fax

Reservations should be made by September 15th stating your name, address, company affiliation, number of people in party, and menu selection. If you are unable to honor your reservation and do not cancel by Tuesday, September 16th, you will be invoiced following the dinner meeting.

---

and Chair Elect, is planning the schedule of speakers for next year. If you know of someone that you would like to suggest as a speaker for a monthly meeting, please con-

tact Natalie [nmcclore@drugregulatoryaffairs.com](mailto:nmcclore@drugregulatoryaffairs.com) with that information. Our regular monthly meetings will resume in September.

See everyone in September.

Reminder      September Dinner Meeting      Reminder

## The Role of Transporters in Drug Discovery: Developments for Improving Safety and Efficacy

Please join us on September 18 at the Biltmore Hotel for the September dinner meeting. We will start the school year with an interesting talk on the biologic mechanisms that cells use to acquire resistance to drugs. With an understanding of these mechanisms, drugs can be intelligently designed to overcome safety concerns and enhance efficacy. Although the meeting isn't scheduled until September, the summer passes by quickly. So mark your calendars now and place your reservations for the meeting!

**Abstract:**

Since the 1976 discovery of the transmembrane P-glycoprotein efflux pump (P-gp) and the role it plays in acquired resistance to oncology drugs, much has been learned about active transporters. More than 350 human transporters have since been discovered including both efflux and uptake pumps. It is now known that transporters can mediate both drug safety and efficacy since they can be responsible for absorption, distribution, metabolism and elimination of substrates.

Transport activity has explained many clinical observations such as the unsafe adverse reactions experienced when co-administering digoxin with verapamil or quinidine. The FDA has recognized the importance of transporter based drug-drug interactions (DDI) and has included 25 major human transporters in the 2006 Draft Guidance "Drug Interaction Studies — Study Design, Data Analysis, and Implications for Dosing and Labeling".



This talk provides an overview of transporters and examines case studies in which transporters retrospectively explained the safety and efficacy of approved drugs.

Additionally, it presents drug discovery strategies for the prospective use of transporters to design compounds with better bioavailability and targeted tissue distribution for safer, more efficacious therapies.

**Biography:**

David Lustig received his Ph.D. in analytical chemistry from the University of Michigan in 1991. His dissertation research focused on novel laser ionization mass spectrometric techniques for biomolecules. David has over 15 years of drug discovery and development experience in the pharmaceutical industry starting in the core mass spectrometry lab at Syntex and then moving into DMPK/ ADME groups at Roche Bioscience and CV Therapeutics. David has served in roles including individual contributor, head of discovery bioanalysis, DMPK representative to drug discovery project teams, steering committee member for outside research collaborations and member of the Research Management Committee at CV Therapeutics (CVT) overseeing all preclinical discovery projects. At CVT, David moved into business development where he was responsible for in-licensing and out-licensing of cardiovascular drugs. David is currently a member of the senior management team at Optivia Biotechnology, a transporter technology company in Menlo Park, CA.

Championship.

The Synopsys Championship (aka the Silicon Valley Science and Engineering Fair) was held on Wednesday March 12th at the San Jose Conventions Center (<http://www.outreach-foundation.org/judges.html>). George Lechner, Howard Peters, and Bruce Raby were volunteer judges for our ACS local section. The ACS awards were made on April 5th at Paramount Great America. Congratulations to all the ACS winners listed:

**First place** \$500.00

Title: Properties of Silk III Fibroin at the Air-Water Interface  
Teacher/School: Eric Nelson/Harker School  
Student: Senan Ebrahim

**Second Place** \$200.00

Title: Effect of Different Cooking Methods on Antioxidant Levels in Vegetables  
Teacher/School: Roy Rocklin/Lynbrook High School  
Student: Evaline Cheng

**Third Place** \$100.000 each

Title: Dyeing with Natural Objects  
Teacher/School: Diane Garcia/Stanford (Jane Lathrop) Middle School  
Student: Erina Kamiya

Title: Vitamins for Avocados  
Teacher/School: Annie Yount/Terman Middle School  
Student: Catherine Nitta

Title: Let's Bake Bread: Effect of Flour Type  
Teacher/School: Roberta Lamons/Willow Glen Middle School  
Student: Olivia Brobst and Kylee Kiesow

Our local section was also well represented at the Intel International Science and Engineering Fair (ISEF). ISEF, a joint project of the Society for Science and the Public (SSP) and the Intel Foundation, is one of the most prestigious high school science fairs in the world. Howard Peters volunteered his time in March to serve as a judge. More information about the event can be found at [http://pubs.acs.org/cen/email/html/cen\\_86\\_i26\\_8626acsnews.html](http://pubs.acs.org/cen/email/html/cen_86_i26_8626acsnews.html)



## Santa Clara Valley Election 2008

The proposed ballot will appear in the minutes of the Executive Committee (ExComm) meeting of Wednesday, August 6, 2008. Petition nominations may be submitted to the Secretary for at least three weeks after that date. A petition must be signed by 15 or more members of the SCV Section. You may have more than enough members right at your workplace!

The election will be managed by Vote-Now, a company which does nothing but run e-elections and which has already managed elections for several ACS Divisions. The sample ballot and voting process examined by ExComm members is very straightforward and easy to use.

The electorate will be determined by the Section roster provided to us by the National Office. Members without valid e-mail addresses and/or internet access will be accommodated with post card notifications and paper ballots. But the more of this paper that is needed, the higher our cost will be. So we urge you to make sure the e-mail address that National has for you is current. You can update your roster record by going to <http://www.scvacs.org> and clicking on the link labeled "How to tell the ACS that your address has changed."

And we hope you will vote this fall!

## Stanford Tech Trek

This summer we have tackled a new program for Santa Clara Valley Section of the ACS. Each year for the past 11 years, the American Association of University Women (AAUW) has run a science and math camp called Tech Trek at Stanford University for girls going into 8th grade. It is designed to encourage them to continue their previous interests in science, math, technology, exploration and learning, past the tricky years when new distractions enter their lives. Studies have shown that girls' interests can be sustained if

they are exposed to the realities and possibilities available to women today. A week's stay on an exciting



campus helps them picture themselves on such a campus and visualize college in their future. This is especially important for girls whose family members have not gone to college. Tech Trek provides exposure to the possibilities available in science and the excitement of college, and it is clearly working since a vast majority of the girls who attend Tech Trek continue into AP science courses and attend college.

This year SCV volunteers prepared and conducted two experiments for

*continued on next page*

Stanford, continued from previous page

over 160 girls. We determined the acid/base nature of several common household chemicals using an indicator made from red cabbage and then tested our observations by measuring the pH of the household chemical solutions.

The girls also got a hands-on demonstration of freezing point depression by making ice cream in two zip lock baggies. The girls enjoyed the acid/base experiments, particularly the color changes, and went wild making ice cream.

The ACS experiments were rated at 8.5 out of 10 by the girls, one of the highest ratings they gave. I'm sure the ice cream helped even if it was a little salty.



## A Sneak Peek at National Chemistry Week 2008

National Chemistry Week 2008, October 19-25, is gearing up to be a high-energy, exciting celebration of chemistry. Our local National Chemistry Week Committee is planning two fun events for October, when we will celebrate "Having a Ball with Chemistry", our 2008 theme for NCW. The theme this year was specially chosen by the ACS to bring awareness to the Summer Olympic Games in Beijing, China. As well, it is a good opportunity for us to enhance the understanding of our friends, neighbors and community about the materials, design and safety of sports and sports equipment—all made possible through chemistry!

One of our annual favorites--hosting a public

outreach booth--will take place on a Saturday in October at a venue to be determined. Keep your eyes peeled in future newsletters for more details! Of course, the crowd-favorite Wheel of Chemistry Fortune will be spinning for all kids to win a prize. Or if you're interested in volunteering to run the booth, please contact NCW Coordinator Abby Kennedy at [akennedy@exelixis.com](mailto:akennedy@exelixis.com).

Our highlight for NCW this year will be a chance for you to literally "Have a Ball with Chemistry"...a BOWLING BALL, that is! The SCV-ACS will be hosting a bowling tournament for members and their families—of all ages! So, start practicing knocking down those pins and read future newsletters for further details!

## Awards Presentations and Picnic

On July 12, the Santa Clara Valley section held its annual summer picnic, awards presentation and wine tasting. Floyd Hobbs presided over the wine tasting. He had assembled some excellent red wines and fooled us all (or most of us anyway) with the different varietal tastings.

After an excellent picnic catered by Armadillo Willys, the 50 and 60 year members of the ACS were presented with certificates and regaled the audience with their combined words of wisdom. The section has 12 new 50 year members and 12 new 60 year members. Of this group, 7 were able to attend: 50

year members--Manfred Eberhardt, Ross Fuller and Clarence Johnsen; 60 year members--Rosalie Dinkey, Donald Hildenbrand, Mary Harriette Huff and Adrienne Mitchell.

At the picnic, the winners of the 2008 Radding Award and the 2008 Harry and Carol Mosher award were

*continued on next page*

*Award, continued from previous page*

also announced. The 2008 Radding award recipient is Dorothy J. Phillips who was honored for her long service to ACS which has included participation in many National committees and a leadership position in the Division on Analytical Chemistry. Please see the lead article on the Radding Award. Dr. Phillips was unable to attend the picnic due to unavoidable scheduling conflicts. She will be recognized at the Analytical Division Dinner at the upcoming National ACS meeting in Philadelphia on August 18.

The recipient of the 2008 Harry and Carol Mosher award is Theodore "Ted" Brown, Professor emeritus from University of Illinois. He will be recognized at the Mosher award dinner meeting to be held on March 19, 2009. More information on Dr. Brown will be forthcoming in February newsletter.



*Rosalie Dinkey and Adrienne Mitchell are both 60-Year members.*



*Natalie McClure at the podium with Manfred Eberhardt, 50-Year member.*



*Ross Fuller, a 50-Year member.*



*Donald Hildenbrand, a 60-Year member.*



*Clarence Johnsen, a 50-Year member.*



## CHEMPLOYMENT ABSTRACTS AUGUST 2008

### CHEMPLOYMENT ABSTRACT 3903

*Position Title:* Analytical Chemist

*Job Description:* In this position you will plan and execute assigned experiments, select appropriate methods and techniques in performing experiments, contribute to the development of project strategy, recommend alternatives, and research new methods and techniques. Present results of work, interpret data, and draw conclusions regarding presented material and nature of work.

#### QUALIFICATIONS DESIRED:

*Education:* A BA/BS or a MS degree in a scientific discipline.

*Experience:* With a BA/BS 7-8 years of relevant experience or with a MS 3 years of relevant experience required. Requires the ability to use common tools for effective scientific communication. Demonstrated ability to recognize anomalous and inconsistent results and interpret experimental outcomes. Developed skills in data analysis and the ability to evaluate quality of data.

#### LOCATION, SALARY, MAIL ADDRESS:

*Job Location:* Foster City, CA

*Salary:* DOE

*Employer Description:* Gilead Sciences is a biopharmaceutical company, our mission is to advance the care of patients suffering from life-threatening diseases worldwide. Gilead has operations in the United States, Europe and Australia.

*Application Instructions:* Reference Req# 1713 and apply online today at: <http://gilead.apply2jobs.com/index.cfm?fuseaction=mExternal.showJob&RID=1713&CurrentPage=1>

We are an Equal Opportunity Employer

### CHEMPLOYMENT ABSTRACT 3905

*Position Title:* Research Associate

*Job Description:* The successful applicant will join the Chemistry Department as part of a team developing advanced new synthesis processes for the production of high-density GeneChip® oligonucleotide probe arrays. Primary job duties include planning and conducting experimental synthesis and characterization of arrays using prototype equipment, materials and processes.

#### QUALIFICATIONS DESIRED:

*Education:* B.S. or M.S. in chemistry with 1-3 years of industrial R&D exp.

*Experience:* Requires a B.S. or M.S. degree in chemistry, and 1-3 years of practical experience in contemporary analytical and organic chemistry, preferably in an industrial R&D setting. Also desirable is experience in solid-phase synthesis and/or microlithographic process technology, an affinity towards instrumentation; and proven organizational, communication and teamwork skills.

#### LOCATION, SALARY, MAIL ADDRESS:

*Job Location:* Affymetrix Inc., Santa Clara, CA

*Salary:* competitive salary

*Employer Description:* Affymetrix is originator and leading manufacturer of the miniaturized high-density DNA array for genetic analysis. GeneChip® production is based on an innovative combination of modern semiconductor and DNA synthesis technologies.

*Application Instructions:* Please see [www.affymetrix.com/corporate/careers/careers.jsp](http://www.affymetrix.com/corporate/careers/careers.jsp) (Requisition # 3748).

### CHEMPLOYMENT ABSTRACT 3906

*Position Title:* Scientist/Chromatographer - Requisition #51510062

*Job Description:* This advanced position will join Elan's Research Analytical and Separations Group using separation methods to assist drug discovery efforts.

#### QUALIFICATIONS DESIRED:

*Education:* MS or PhD (or equivalent based on experience) in Chemistry and 0-5 years experience.

*Experience:* Substantial experience with HPLC applications is required including experience in preparative HPLC. Experience with chiral analysis/separations is highly desired. Skill in the operation of Agilent's Chemstation and/or Varian's Star or Galaxie software is very highly desired. An advanced degree in Analytical Chemistry is highly desired. Excellent written and verbal communication skills in English are required.

#### LOCATION, SALARY, MAIL ADDRESS:

*Job Location:* South San Francisco, CA

*Salary:* DOE

*Employer Description:* At Elan, we hold a fundamental belief that our science has the potential to improve patients' lives. Our pipeline of developing compounds and investigative therapies reflects our commitment to bring innovative products to patients with unmet needs in the areas of neurodegenerative diseases, autoimmune diseases and severe pain.

Elan's commitment to patients is reflected in all that we do: we are a company driven by the knowledge that our work is important and the desire to make a difference. Elan offers prospective employees exciting challenges, unique opportunities for career growth, and a fast-paced environment that emphasizes innovation and achievement.

*Application Instructions:* Qualified Applicants should submit their resume to: [lee.latimer@elan.com](mailto:lee.latimer@elan.com) and apply online at [www.elan.com](http://www.elan.com)

### CHEMPLOYMENT ABSTRACT 3907

*Position Title:* Chromatographer

*Job Description:* This position will join our Analytical and Separations Group using separation methods to assist drug discovery efforts.

*Responsibilities:* •Apply HPLC methods to assist drug discovery efforts in both analytical and preparative mode •Develop and apply chiral separation methods as needed, •Develop new methodologies as needed and to integrate new technologies where appropriate •Be a resource to the drug discovery effort in our research department.

#### QUALIFICATIONS DESIRED:

*Education:* BS or MS in Chemistry; advanced degree in Analytical Chemistry is preferred.

*Experience:* •5 years experience in an industrial lab after graduation. •Substantial experience with HPLC applications is required including experience in preparative HPLC. •Experience with chiral analysis/separations is highly desired. •Skill in the operation of Agilent's Chemstation and/or Varian's Star or Galaxie software is very highly desired. •Excellent written and verbal communication skills.

#### LOCATION, SALARY, MAIL ADDRESS:

*Job Location:* South San Francisco, CA *Salary:* DOE

*Employer Description:* At Elan, we hold a fundamental belief that our science has the potential to improve patients' lives. Our pipeline of developing compounds and investigative therapies reflects our commitment to bring innovative products to patients with unmet needs in the areas of neurodegenerative diseases, autoimmune diseases and severe pain.

Elan's commitment to patients is reflected in all that we do: we are a company driven by the knowledge that our work is important and the desire to make a difference. Elan offers prospective employees exciting challenges, unique opportunities for career growth, and a fast-paced environment that emphasizes innovation and achievement.

*Application Instructions:* Qualified Applicants should submit their resumes to: [lee.latimer@elan.com](mailto:lee.latimer@elan.com)

**CHEMPLOYMENT ABSTRACT 3908**

*Position Title:* Research Associate – Medicinal Chemistry

*Job Description:* We currently have three openings for talented Research Associates to join our Medicinal Chemistry department. The successful candidates will be responsible for the design and synthesis of biologically active small molecules. The individuals will participate in our drug discovery efforts as part of a multi-disciplinary project team in our South San Francisco location.

**QUALIFICATIONS DESIRED:**

*Education:* A Bachelor's or Master's degree in Chemistry is required.

*Experience:* A minimum of two years of experience in synthetic organic chemistry is required. The candidates should possess a demonstrated expertise in multi-step synthesis, compound purification and structural characterization

**LOCATION, SALARY, MAIL ADDRESS:**

*Job Location:* South San Francisco, CA

*Salary:* DOE

*Employer Description:* For more than 30 years, Genentech has been at the forefront of the biotechnology industry, using human genetic information to develop novel medicines for serious and life-threatening diseases.

*Application Instructions:* Genentech is dedicated to fostering an environment that is inclusive and encourages diversity of thought, style, skills and perspective. To learn more about our current opportunities, please visit: [careers.gene.com](http://careers.gene.com) and reference Req. #1000023603, 1000023605 or 1000023607. Please use "Web - ACS" when a "source" is requested. Genentech is an Equal Opportunity Employer.

**CHEMPLOYMENT ABSTRACT 3909**

*Position Title:* Opportunities in Research and Development at Genentech!

*Job Description:* The following Research and Development opportunities, that have a focus on Small Molecules, exist in our South San Francisco, CA, headquarters:

- Scientist/Senior Scientist, Analytical Chemistry – Req. #1000021637
- Senior Scientist, Medicinal Chemistry – Req. #1000022028 and #1000023649
- Scientist, Medicinal Chemistry – Req. #1000023417
- Senior Scientist, Process Chemistry – Req. #1000022236
- Associate Director, Process Chemistry – Req. #1000023115
- Scientist/Senior Scientist, Formulation Chemistry – Req. #1000017275
- Research Associate/Senior Research Associate, Formulation Chemistry – Req. #1000023609
- Research Associate, Formulation Chemistry – Req. #1000023701

**QUALIFICATIONS DESIRED:**

To see the education and experience requirements for the above positions, go to <http://www.gene.com/gene/careers/>, click on "Job Postings"; then click on "Search for Jobs"; finally, enter the Req.# (e.g., 1000023701) in the "Keywords" space, and click the "Search" button.

**LOCATION, SALARY, MAIL ADDRESS:**

*Job Location:* South San Francisco, CA

*Salary:* DOE

*Employer Description:* For more than 30 years, Genentech has been at the forefront of the biotechnology industry, using human genetic information to develop novel medicines for serious and life-threatening diseases. Today, Genentech is among the world's leading biotech companies, with multiple therapies on the market for cancer and other serious medical conditions. Please take this opportunity to learn about Genentech, where we believe that our employees are our most important asset.

*Application Instructions:* Genentech is dedicated to fostering an environment that is inclusive and encourages diversity of thought, style, skills and perspective. To apply for one or more of these positions, follow the instructions listed above under "Qualifications desired". Please use "Web – ChemEmployment" when a source is requested. Genentech is an equal opportunity employer.

**CHEMPLOYMENT ABSTRACT 3910**

*Position Title:* Senior Scientist – DMPK

*Job Description:* The Drug Metabolism and Pharmacokinetics (DMPK) department at Genentech is seeking a highly motivated individual with proven abilities who will be involved in the design, execution, supervision and interpretation of non-clinical pharmacokinetic studies. These studies will enable the selection of small molecule drug development candidates and provide assessment of their pharmacokinetic/ADME characteristics to support drug development. This position will be involved in report writing for IND and NDA filings.

**QUALIFICATIONS DESIRED:**

*Education:* The candidate must have a Ph.D. in Pharmacokinetics, Drug Metabolism or other relevant field, and in-depth knowledge of parameters governing ADME.

*Experience:* Familiarity with various pharmacokinetic software packages, such as WinNonLin, ADAPT, SAAMI and NONMEM is required. This position will require significant knowledge of PK/PD modeling to facilitate prediction of the exposure required in humans.

**LOCATION, SALARY, MAIL ADDRESS:**

*Job Location:* South San Francisco, CA

*Salary:* DOE

*Employer Description:* Genentech is among the world's leading biotech companies, with multiple therapies on the market for cancer and other serious medical conditions. Please take this opportunity to learn about Genentech, where we believe that our employees are our most important asset.

*Application Instructions:* Genentech is dedicated to fostering an environment that is inclusive and encourages diversity of thought, style, skills and perspective. To learn more about our current opportunities, please visit: <http://careers.gene.com> and reference Req. #1000020053. Please use "Web – ChemEmployment" when a "source" is requested. Genentech is an Equal Opportunity Employer.

**CHEMPLOYMENT ABSTRACT 3911**

*Position Title:* Senior Research Associate – DMPK

*Job Description:* The department of Drug Metabolism and Pharmacokinetics (DMPK) at Genentech is seeking a highly motivated individual to support pharmacokinetic and drug disposition studies enabling the discovery and development of small molecule drugs. The qualified candidate will conduct in vitro permeability and transport studies in support of Discovery and Development projects, as well as develop assays to investigate expression and functions of drug transporters.

**QUALIFICATIONS DESIRED:**

*Education:* A Bachelor's or Master's degree in Biology, Chemistry or other relevant fields with a minimum of two years of experience is required.

*Experience:* Excellent organization skills, strong verbal and written communication skills and flexibility are essential. Extensive experience in cell/tissue culture and molecular biology techniques is highly desirable. An understanding of pharmacokinetic concepts is a plus.

**LOCATION, SALARY, MAIL ADDRESS:**

*Job Location:* South San Francisco, CA

*Salary:* DOE

*Employer Description:* Genentech is among the world's leading biotech companies, with multiple therapies on the market for cancer and other serious medical conditions. Please take this opportunity to learn about Genentech, where we believe that our employees are our most important asset.

*Application Instructions:* Genentech is dedicated to fostering an environment that is inclusive and encourages diversity of thought, style, skills and perspective. To learn more about our current opportunities, please visit: <http://www.gene.com/careers> and reference Req. #1000020035. Please use "Web – ChemEmployment" when a "source" is requested. Genentech is an Equal Opportunity Employer.



SANTA CLARA VALLEY SECTION  
AMERICAN CHEMICAL SOCIETY  
P.O. Box 395, Palo Alto, CA 94302

Visit our web site at:



<http://www.scvacs.org>

To receive an email when our newsletter  
is published on our web site, sign up at:  
<http://www.scvacs.org/newsletter/>

## SANTA CLARA VALLEY SECTION

### 2008 Section Officers

Chair	<b>Mark Kent</b>	408-736-0989	marklent@yahoo.com
Chair-Elect	<b>Natalie McClure</b>	650-906-7831	nmcclure@drugregulatoryaffairs.com
Past Chair	<b>George Lechner</b>	408-226-7262	glechner@aol.com
Secretary	<b>Karl Marhenke</b>	831-688-4959	karlmar@armory.com
Treasurer	<b>Herb Silber</b>	408-924-4954	hbsilber@science.sjsu.edu

### Councilors

2006-2008	<b>Abby Kennedy</b>	209-640-2005	akennedy@exelixis.com
2006-2008	<b>Ean Warren</b>	650-329-4554	ewarren@scvacs.org
2007-2009	<b>Linda Brunauer</b>	408-554-6947	lbrunauer@scu.edu
2007-2009	<b>Sally Peters</b>	650-812-4994	Sally.Peters@parc.com
2007-2009	<b>Peter Rusch</b>	650-961-8120	pfrusch@aol.com
2008-2010	<b>George Lechner</b>	408-226-7262	glechner@aol.com
2008-2010	<b>Herb Silber</b>	408-924-4954	hsilber@science.sjsu.edu
2008	<b>Howard Peters</b>	650-854-4614	peters4pa@sbcglobal.net

### Alternate Councilors

2006-2008	<b>Ihab Darwish</b>	650-594-1654	darwishis@yahoo.com
2006-2008	<b>David Parker</b>	408-615-4961	dparker@santaclaraca.gov
2006-2008	<b>Bruce Raby</b>	408-294-6718	brida954@comcast.net
2007-2009	<b>Stephanie Gehling</b>	408-261-3974	s_gehling@hotmail.com
2007-2009	<b>Natalie McClure</b>	650-906-7831	nmcclure@drugregulatoryaffairs.com
2007-2009	<b>Maureen Scharberg</b>	408-924-4966	maureen.scharberg@sjsu.edu
2008-2010	<b>Mark Kent</b>	408-736-0989	marklent@yahoo.com
2008-2010	<b>Ferenc Makra</b>	650-855-5368	ferenc.makra@roche.com

### Newsletter

Editor: **Cinzia Muzzi** 408-864-5790 [muzzicinzia@deanza.edu](mailto:muzzicinzia@deanza.edu)

### ChemPloyment Abstracts

Director: **Charles Sullivan** 650-359-0731 [cdansullivan@sbcglobal.net](mailto:cdansullivan@sbcglobal.net)

## FUTURE MEETINGS

- Aug 3-8** Gordon Research Conference on  
Green Chemistry, Bates College  
Lewiston, ME  
***[www.grc.org/programs.aspx?  
year=2008&program=green](http://www.grc.org/programs.aspx?year=2008&program=green)***
- Aug 17-21** 236th ACS National Meeting  
Philadelphia, PA
- Sep 18** SCV Dinner Meeting  
The Role of Transporters in Drug  
Discovery, Dr. David Lustig  
Santa Clara, CA
- Sep 23-27** Western Regional Meeting  
Las Vegas, NV  
***<http://membership.acs.org/w/WRM2008>***
- Oct 4** Having a Ball with Chemistry  
(NCW event)
- Oct 18** NCW Outreach  
San Jose Public Library
- Oct 18** Teachers' Workshop  
Roche, Palo Alto, CA
- Oct 19-21** Topics and Tactics in Current  
Drug Design  
ACS ProSpectives Conference  
Cambridge, MA