

# Silicon Valley Chemist

Santa Clara Valley Section

American Chemical Society

Volume 27 No. 5

## The Great White May Be Gone, But There's Still Lots to See!

Saturday, June 18th, is Santa Clara Valley Section's day at the Monterey Bay Aquarium. We have a reservation which includes the group rates listed below, as well as guided tours for those interested. The tours start at 1p.m. To get the group rates we must all sign in at 12:00 noon – we can't just come in whenever we wish. Otherwise, you are on your own. If you are an aquarium member and have guest cards, you and a friend may use one and get in for free, but members must show their membership cards (and, we understand, photo ID). You still need to send us an application if you want to join one of the tours.

Those who are non-members will pay according to the following schedule of group rates:

\$19.95 per adult (18 and over)  
 \$18.95 for seniors (over 65)  
 \$16.95 for juniors (13-17)  
 \$ 9.95 for Children (3-12)

The Santa Clara Valley Section will pay for the guided tours.

The aquarium staff does not recommend that children go on the tours. Each tour will have no more than 10 people per guide and we have signed up for three tours. We can add one more guides, but we will need to make the reservation by June 4th. So sign up early. The tours are limited to 40 people (if we reserve the extra guide), but there's no limit on how many of us can enter the aquarium.

Make your reservations using the application below as soon as possible.

Help us plan to make this a pleasant outing.

## Chair's Message

My message today begins with a short travel log of where we have been so far and ends with what's left to be done this year.

In January we had the good fortune to hear the Mosher Award Lecture from Dr. Paul Anderson, former ACS president and now a biotech leader telling us about drug discovery, Where have we been and where are we going? We chose the Basque Cultural Center as the venue for a well attended talk.

For a very different direction, the February 17th dinner meeting addressed the subject of retirement, the importance of planning, and the factor of volatility. We dined at the Elks Lodge in Palo Alto and two professionals from Smith Barney gave a well-rounded presentation. The Spring National ACS Meeting was in San Diego March 13-17 and governance held our attention.

In March the dinner meeting of March 24th, at the Elks Lodge, brought us an exciting talk about sharks, skates, and rays. A conductive gel allows electroreception in elasmobranchs. Sharks can detect small temperature differences in their environment. The presenter was Prof. Brandon Brown of USF.

In April we will examine Light Emitting Diode technology and Organic LEDs. Two different OLED technologies will be compared. The long term processing and fabrication potential of polymer OLEDs will be contrasted with the introduction of small molecule OLEDs. Dr. Homer Antoniadis is Head of OLED development at OSRAM Opto Semiconductors in San Jose.

Our May meeting has been moved

*continued on next page*

### Reservation Form - Monterey Bay Aquarium Visit

Monterey Bay Aquarium, Saturday, June 18, 2005. Deadline for reservations, is Saturday, June 4, 2005. Please list all the names of guests. Name tags will be available.

Names \_\_\_\_\_

Telephone number of prime guest \_\_\_\_\_

No. of Adults (\$19.95) \_\_\_\_\_ No. of Seniors (\$18.95) \_\_\_\_\_

No. of Juniors at (\$16.95) \_\_\_\_\_ No. of Children (\$9.95) \_\_\_\_\_

Total amount included \$ \_\_\_\_\_ No. of Persons for Tour \_\_\_\_\_

Make check payable to **Santa Clara Valley Section, ACS**. Mail check and reservation form to Ms. Shirley Radding, 2994 Cottonwood Court, Santa Clara, CA 95051-6111

*Chair's Message, continued from front page*  
to June at the Monterey Bay Aquarium for Saturday, June 18th. Save the date, and reservation forms will be in the newsletter. We are limited to 40, so don't be disappointed.

Our Awards meeting will be at Stanford University, on Saturday, July 9th. We will honor our 50-year members, announce awards, and have a family style picnic. The afternoon will start with a wine-tasting. Reservation forms will be in the newsletter.

Our grant project is progressing. I'm hopeful for starting two topical groups. The ACS Fall National Meeting will be in August in Washington DC. We will have an election in the Fall for local officers and for District VI Director. Bonnie Charpentier of our local section is running against Stanley Pine of Southern California.

There are values and benefits in belonging to the largest scientific society, together with 160,000 others. Read our mission statement, examine our goals, see our results. Come to a meeting, meet fellow members, be part of the solution, not the problem.

If your interest is biotechnology or medicinal chemistry, we are planning topical groups in those areas. Want to hear and see what is going on, ask to be included in the organizing meetings. In those rapidly developing fields, much of the progress is in the Bay Area. Together with the California Section, the Santa Clara Valley Section has joint activities and strengths.

The team approach brings together related sciences, technologies, and skills outside traditional chemistry which complement each other in a team approach. Want to stay up to date, in the latest advances, do it through your Society, ACS.

---

## 50 Year Members

Dr. James J. Barker	Rocklin, CA
Dr. Jack Jay Duffield	Sunnyvale, CA
Dr. Wolfgang Eisenhut	Woodside, CA
Mr. Lawrence Fook Eng	Palo Alto, CA
Mr. Wing Sien Fong	Los Alto Hills, CA
Dr. Takeo Hokama	Mountain View, CA
Mrs. Jo Ann L. Nassutti	San Mateo, CA
Dr. Lewis G. Taft	San Jose, CA
Dr. Madeline S. Toy	Palo Alto, CA
Dr. Lloyd Van Alten	San Jose, CA

---

## Improve Your Skills with Internet-Based Courses

ACS now offers Internet-based training courses to help you quickly learn the information that you need to succeed in your job. In the convenience of your home or office, you can learn new techniques, improve your lab skills, and hone your leadership and communication skills.

To obtain more information or to register online for a course, go to <http://chemistry.org/elearning> or call (800) 227-5558, Ext. 4508, or (202) 872-4508. The following courses will be offered Winter/Spring 2005:

### Basic Statistical Analysis of Laboratory Data

Review and learn the fundamentals of statistics as they apply to laboratory data. Learn from practical examples that are found in typical analytical laboratories. Spring 2005: *May 6, 13, and 20.*

### Cutting Edge HPLC Techniques for Analysis of Proteins and Peptides

This seminar will teach you how to analyze proteins and peptides by using cutting-edge HPLC techniques. You'll also learn different modes of separation techniques and how to choose a cost-effective HPLC column. Spring 2005: *May 23-24.*

### Gas Chromatography Basics

This course will help you to gain a sound working knowledge of basic gas chromatographic analysis principles and procedures and enable you to develop

*continued on next page*

---

## 2005 Chemistry Olympiad Finalists

This year 15 high schools from across the section participated in the local chemistry olympiad. Over 150 students took the standardized ACS qualifying exam at their local high schools, vying for one of the 17 spots for the next round of testing.

Saturday, April 16th the California section joined our section in hosting a full day of testing. We had 13 students spend over 5 hours working on difficult problem sets, theory questions and lab experiments. Santa Clara University provided the facilities and Dr. Linda Brunauer graciously volunteered her time to set up the lab experiments. Bruce Raby, Jack Riley, Howard Peters and I had the opportunity to mingle with the students, eat pizza, talk about their college plans, and encourage them on!

We also had one student, who was visiting in Southern California, take his tests with that section. Two other students were visiting colleges in the Boston area, but could not get to the North East section early enough to join them for the test! This is a very busy time of year for juniors and seniors, so we really appreciate those who were able to participate.

And our finalists are (drum roll please!):

- Cupertino High  
Tao Tao Chen and Li Huang  
*Teacher: Carmen Kinkade*
- Gunn High  
Sidd Krishnamurthy and Saranya Sethuraman  
*Teacher: Carolina Sylvestri*
- The Harker School  
Yi Sun and Jessie Li  
*Teacher: Robbie Korin*
- The King's Academy  
Steven Shimizu  
*Teacher: Jason Rose*
- Lynbrook High  
Jason Lee and Grace Li  
*Teacher: Jessica Banchieri*
- Monta Vista High  
Solomon Lee and Shrenik Shah  
*Teacher: Travis Hambleton*
- Mountain View High  
Justin Li  
*Teacher: Katie Thornberg*
- Pinewood School  
Ali Ebrahim  
*Teacher: Tho Duong*
- Mills High  
Alex Xiao  
*Teacher: Grant Paul*

*Improve Skills, continued from previous page*  
a greater understanding of theoretical and practical relationships. Become more efficient by learning ways to reduce the time you spend on selecting optimum parameters for separating species present in complex mixtures. Spring 2005: *May 3, 10, and 17.*

### **Leadership in Science: Managerial and Technical Skills**

Enroll in this course to gain practical and applied leadership skills to enhance your performance and that of your team. Understand the basic principles of leadership, motivation and communication. Prepare yourself to assume a leadership position or, if you are already in a leadership position, strengthen your leadership and participation skills. Spring 2005: *May 4, 11, 18, and 25.*

### **A Pharmacology Primer for Chemists**

In this course, you'll get a solid understanding of pharmacological principles and how the chemical sciences impinge upon pharmacology research. Master the language and terminology of pharmacology by exploring the study of the interaction of chemicals with receptors to elicit physiological responses. Understand the chemistry behind the drugs used for therapy as you study the theory, application, and methods of receptor pharmacology as it is used to characterize drug activity. Spring 2005: *May 2, 5, 9, 12, 16, 19, 23, and 26.*

## **Project Bridge** (reprinted from C&E NEWS)

For the past eight years I have been a member of ACS. Reading the editorials and articles in C&EN, I have watched with amusement as your inane prattle has waxed and waned about chemical "professionalism," the lack of communication by chemists concerning the value of chemistry to society, the need for chemists to bridge disciplines, etc. I would like to make some comments about these topics.

First, chemistry is a job, not a profession. For some, it is a well-paid, highly skilled job. True professionals are not viewed, nor are they allowed to view themselves, as an exploitable and disposable resource – ask any attorney, physician, or dentist. We cannot expect, and will not get, bright creative young minds to remain in a "profession" in which they are subject to the whims of forces far beyond their control and are often considered as sheep to be shorn. Unless abrupt changes are made soon concerning the well-being of the individual chemist, ACS will have the distinction of only standing sentinel over a rapidly drying reservoir of talent.

Second, I know the value of chemistry to society. But then I have specialized in this field for the past 10 years. How can we possibly hope to communicate the value of chemistry to a general society, when we are doing such a poor job with our own chemists? Less than half of the chemists eligible for membership in ACS ever join. And of those 110,000 present members, how many ever participate in local ACS activities, or even bother to vote in ACS national elections? – less than one third? And with today's society primarily interested in the immediate "buck," how can ACS expect chemists to personally involve themselves in a communication effort with non-scientific society, the effects of which may not be apparent for a generation?

Third, I am personally interested in chemists gaining the ability to bridge disciplines. Our C&EN "Career Opportunities" issue of March 1969 repeated the familiar theme: Chemists should develop other specialties. Chemistry needed generalists, not specialists. The lack of chemists in government and other key positions was underscored. Ad infinitum, ad nauseam? Well, what has ACS done to encourage chemists to gain these backgrounds in other fields? Exactly nothing!

Why doesn't ACS put its money where its mouth is? At this point in time we do not need more chemists. We already have too many overqualified, super-specialized Ph.D.'s in chemistry. If cross-disciplinary people are so vitally needed, create them! Can some of those PRF and general funds of ACS be diverted to grants, scholarships, and loans to encourage chemists to actively pursue a real profession – law, medicine, dentistry, business? I recommend that ACS start a "Project Retread" or "Project Bridge" if you must have a better euphemism. And get ready for a deluge of applications!

*continued on next page*

---

## **New Members of Santa Clara Valley Section**

Welcome to the new members to the Santa Clara Valley section. This may come as a surprise to some of you! When you joined ACS, for national meetings or divisional activities, you automatically become a member of a local section. National assigns you to the section closest to your registration address, which could be your work or home address. You may also have joined a few months ago, but national is often slow in updating their roster and forwarding your information. As a new member of the Santa Clara Valley Section of ACS, we welcome you to attend our

monthly dinner meetings. A good first meeting to attend is our summer wine tasting and picnic. Mark your calendar for Saturday, July 9th. This is strictly a social event and is a good time to meet some of our members.

If you have not visited our web site, it is at <http://www.scvacs.org/>

The web site is the most up to date information on our section. It contains information and registration for the monthly dinner meetings, immediate postings to ChemEmployment, minutes from the executive committee meeting, an archive of past newsletters, and links to items of local interest.

Join us at a meeting, volunteer to help at a Science Faire, attend an executive committee meeting, get involved!

New members of the Santa Clara Valley Section, ACS are as follows:

*Ellen L. Berg  
Elizabeth Daniels  
Rbiju Das  
John R. Davies  
Alexandra Dusa  
Taia Ergueta  
Ilya J. Finkelstein  
Ryan C. Fong  
Debyani Ghosh  
Donna M. Giandomenico  
Ruslan Grygorash*

*continued on next page*

*Project Bridge, continued from previous page*

Why do so few chemists return to college to study another discipline? Because initially they are penalized economically for making the change. And, I assure you, financing the education is the critical issue. The return to the poverty level of a student is never pleasant, especially if one has the responsibilities of a family. Moreover, scholarship funds in the professional schools have always been limited. And if the chemist has been working for some time, he is further penalized when he has been financially responsible. That is, he has been able to acquire some equity in a house, life insurance, bonds, furniture, a savings account – all tangible assets which immediately disqualify him from the primary requirement for most scholarships – financial need. He cannot, in good conscience, plead “absolute poverty” because he didn’t choose to squander his income on color TV sets, unnecessary vacations, needless entertaining, and the like.

I have yet to meet a chemist who believes that his graduate training was a pleasant experience, who is content with his “profession,” and who has not considered a career change if even minimal readjustment funds were available. A very few chemists will make the change and continue their education in a bridging field, regardless of the initial financial sacrifice. In fact, I know of one student who earned a Ph.D. in chemistry from MIT who is now studying full-time at a local law school. He is required to work half-time, as a technician, to take care of his family. Here is your valuable bridge person. What is ACS doing to locate, utilize, and encourage these perceptive and resourceful people?

If I am reading the current educational scene in a realistic manner, the best thing ACS or any major foundation could start is a “Project Bridge” and supply some funds, based on ability and not on financial need, to allow people over 30 to return to full-time university study to broaden their talents. The recent Carnegie Commission Report on Higher Education has encouraged easier access to further university study for older students. And with the current

*New Members, continued from previous page*

Xianghong Hao  
Vadim Ivanov  
Karilina M. Krasinska  
Amy B. Laverdiere  
Andrew Lee  
Janelle M. Leger  
Minh Luu  
Jean L. Manalo  
Jack Maung  
Michael R. McCarthy  
Susu M. Minn  
Bill A. Moffat  
Dennis Nordlund  
Amanda Norick  
Brendan N. O. Boyle  
Jonathan Postlethwaite  
Florence Roger  
Beatrice L. Rubland  
Kimberly M. Sarquis  
Salma A. Sarwary  
Ilva Shestopalov  
Atsushi Shiota  
Arvinder S. Sran  
Jiamin Tian  
Yaping Tu  
Mark Velligan  
Jennie Wang  
Donald E. Ward

Karen Watts  
Elizabeth M. Widenbrant  
Gina M. Zang  
Huading Zhang  
Xiangdong Zhang  
Jagan N. Abija  
Dawn T. Bravo  
WeiBo Cai  
Anatoly Chlenov  
Chihyuan Chuang  
Frank V. Cochran  
Andrea Cuppoletti  
Linda M. Druet  
John P. Evans  
Christine E. Flynn  
Steven Gullerud  
Darin J. Gustin  
Gishun Hsu  
William R. Hufford  
Thomas O. Jeanes  
Alexander A. Kborlin  
Rachel Lansdown  
Hyo Jeang Lee  
Hyue-Koo Lee  
Shulan Li  
Ziaoyan Li  
Emily Liu  
Haiqun Liu

Ying Liu  
Wen-Tong P. Lu  
Robert B. Martin  
Evelyn L. McGown  
Matthew D. McReynolds  
Fred Miltitsky  
Trinh Nguyen  
Ruben M. Paco  
Xiomara A. Perez  
Premchandran Ramiya  
Jennifer R. Riggs-Costerison  
Ali Sadra  
Daniel P. Sanders  
Bruce A. Siggins  
Jana Sipes  
Anantha Sudbakar  
Tom Theriault  
Eric J. Tisdale  
Inna Tregub  
Jin-Kang Wang  
Jinjin Wang  
Jon I. Williams  
Margaret Wong  
Hui Xu  
Pei Yang  
Hongrin Yu  
Ming Yu  
Weijiang Zhang

ghetto situation existing on most university campuses, we desperately need to get more older people back to campus who have been a part of the real world. If ACS would sponsor a “Project Bridge” patterned after “Project SEED,” I would be the first to contribute.

Unlike some members of ACS who are dissatisfied with the present state of affairs and find it necessary to voice their protest with a resignation, I will not. I think I can be much more effective romping around within this organization wearing hobnail boots.

This letter represents only the view of the author and is aimed at triggering intelligent discussion. But would you personally support a “Project Bridge”?

Thank you for your interest and consideration.

Comments to [peters4pa@aol.com](mailto:peters4pa@aol.com)  
Howard M Peters, Ph.D., J.D.  
Palo Alto, California



This letter was authored by ACS Santa Clara Valley local section member Howard Peters. The letter first appeared as a letter to the Editor of Chemical & Engineering News on May 3, 1971, p.6.

• Is it a surprise to you that it is re-

appearing in our May 2005 newsletter?

- Do you think some of the comments are still current after the passage of 34 years?
- What is your reaction? Howard has changed some of his opinions, but not all.

In the intervening 34 years, most of our traditionally U.S. chemical companies are now global companies and many of these companies are run by non-chemists or non-chemical engineers. Do we need a better model to get the important messages of ACS and its members and the value of a continuing chemical enterprise into these executive suites?

There has been progress on many fronts. ACS now has public outreach and community activities, fellowships for science policy, an active government affairs program (OLGA) and a new Development Office. (See [www.acs.org](http://www.acs.org)) The Chemical Heritage Foundation ([www.cbemheritage.org](http://www.cbemheritage.org)) has many new programs to popularize and draw attention to the past and present activities of chemistry. There have been advances – but there are still many challenges before us.

# CHEMPLOYMENT ABSTRACTS MAY 2005

## CHEMPLOYMENT ABSTRACT 3790

*Position Title:* Senior Associate

*Job Description:* As members of a multi-disciplinary research teams, Chemistry Research Associates are responsible for the synthesis of novel molecules and working closely with senior members of the department identifying drug candidates suitable for clinical development.

*Qualifications Desired:*

*Education:* B.S. or M.S. in Chemistry  
*Experience:* 2+ years of laboratory experience in organic synthesis

*Location, Salary, Mail Address:*

*Location:* South San Francisco, CA  
*Employer Description:* Our commitment to serving patients lies at the heart of Amgen's success. As the world's largest biotech company, we discover, develop, manufacture and market therapies upon which thousands of people rely. Bring your sense of commitment to Amgen and be part of this extraordinary process.

*Application Instructions:* Amgen's outstanding compensation package features comprehensive benefits and relocation assistance. Come be a part of the extraordinary process at Amgen! To learn more about other Amgen opportunities throughout the country, and to apply online, please visit [www.amgen.com/career](http://www.amgen.com/career) (search under Job ID: amge-00008737).

## CHEMPLOYMENT ABSTRACT 3791

*Position Title:* Senior Associate

*Job Description:* As members of a multi-disciplinary research teams, Chemistry Research Associates are responsible for the synthesis of novel molecules and working closely with senior members of the department identifying drug candidates suitable for clinical development.

*Qualifications Desired:*

*Education:* B.S. or M.S. in Chemistry  
*Experience:* 2+ years of laboratory experience in organic synthesis

*Location, Mail Address:*

*Location:* South San Francisco, CA  
*Employer Description:* Our commitment to serving patients lies at the heart of Amgen's success. As the world's largest biotechnology company, we discover, develop, manufacture and market therapies upon which thousands of people rely. Bring your sense of commitment to Amgen and be part of this extraordinary process.

*Application Instructions:* Amgen's outstanding compensation package features comprehensive benefits and relocation assistance. Come be a part of the extraordinary process at Amgen! To learn more about other Amgen opportunities throughout the country, and to apply online, please visit [www.amgen.com/career](http://www.amgen.com/career) (search under Job ID: amge-00008738).

## CHEMPLOYMENT ABSTRACT 3792

*Position Title:* Research Associate - Analytical Chemistry/Medicinal Chemistry

*Job Description:* The successful candidate will contribute to the purification and analytical examination of synthetic small molecule therapeutics and peptides. Experience with preparative reverse phase and normal phase HPLC, analytical methods development, and analytical techniques such as LC/MS is preferred.

*Qualifications Preferred:*

*Education:* BS in chemistry, analytical chemistry or biochemistry  
*Experience:* 0-2 years relevant experience is required. The candidate should be motivated to be a team player with good communication skills.

*Location, Salary, Mail Address:*

*Job Location:* South San Francisco,  
*Employer Description:* Consistently recognized as one of the top companies to work for in the United States, Genentech offers one of the most comprehensive benefits packages in the industry.

*Application Instructions:* For immediate consideration, please visit [www.genetech.com/careers](http://www.genetech.com/careers) and reference Req #100006485. Genentech is an equal opportunity employer. When submitting your resume, please select "Am. Chemical Society" when a "source" is requested.

## CHEMPLOYMENT ABSTRACT 3793

*Position Title:* Chemistry Lecturer

*Description:* An academic year lecturer is needed to teach eight quarter courses. These may include lecture and laboratory courses in organic chemistry and general chemistry. This non-tenure track position will begin Fall 2005.

*QUALIFICATIONS DESIRED:*

*Education:* Ph.D. in Org Chem is required  
*Experience:* Prior teaching exp preferred

*LOCATION, SALARY, MAIL ADDRESS:*

*Location:* Department of Chemistry, Santa Clara University  
*Salary:* Competitive  
*Employer Description:* Santa Clara University is a Jesuit institution with an ACS-approved undergraduate program. Santa Clara University is an Equal Opportunity/Affirmative Action employer, committed to excellence through diversity, and, in this spirit, particularly welcomes applications from women, persons of color, and members of historically underrepresented groups. The University will provide reasonable accommodations to all qualified individuals with a disability.

*Application:* By April 30, 2005, send Curriculum Vitae, undergraduate and graduate transcripts, a statement of interest & exp in teaching these or related subjects, a statement detailing the experience with individuals from ethnic or racial groups underrepresented in the sciences, and three letters of recommendation to: Dr. Brian McNelis, Department of Chemistry, Santa Clara University, Santa Clara, CA 95053

## CHEMPLOYMENT ABSTRACT 3794

*Position Title:* Chemistry Lecturer

*Description:* An academic year lecturer is needed to teach five quarter courses consisting primarily of laboratory courses in non-majors, environmental and physical chemistry and non-majors chemistry lecture. This non-tenure track position will begin Fall 2005.

*QUALIFICATIONS DESIRED:*

*Education:* M.S. in Physical Chemistry is required. Ph.D. preferred.

*Experience:* Prior teaching experience preferred

*LOCATION, SALARY, MAIL ADDRESS:*

*Location:* Santa Clara University  
*Salary:* Competitive  
*Employer Description:* Santa Clara University is a Jesuit institution with an ACS-approved undergraduate program. Santa Clara University is an Equal Opportunity/Affirmative Action employer. The University will provide reasonable accommodations to all qualified individuals with a disability.

*Application:* By May 15, 2005, send Curriculum Vitae, undergraduate and graduate transcripts, a statement of interest and experience in teaching these or related subjects, a statement detailing experience with individuals from ethnic or racial groups underrepresented in the sciences, and three letters of recommendation to: Dr. Steven L. Fedder, Department of Chemistry, Santa Clara University, Santa Clara, CA 95053

## CHEMPLOYMENT ABSTRACT 3795

*Position Title:* Chemistry Lecturer

*Description:* An academic year lecturer is needed to teach eight quarter courses. These may include lecture and laboratory courses in organic chemistry and general chemistry. This non-tenure track position will begin Fall 2005.

*QUALIFICATIONS DESIRED:*

*Education:* Ph.D. in Organic Chemistry is required  
*Experience:* Prior teaching experience preferred

*LOCATION, SALARY, MAIL ADDRESS:*

*Location:* Department of Chemistry, Santa Clara University  
*Salary:* Competitive  
*Employer Description:* Santa Clara University is a Jesuit institution with an ACS-approved undergraduate program. Santa Clara University is an Equal Opportunity/Affirmative Action employer. The University will provide reasonable accommodations to all qualified individuals with a disability.

*Application:* By April 30, 2005, send Curriculum Vitae, undergraduate and graduate transcripts, a statement of interest and experience in teaching these or related subjects, a statement detailing the experience with individuals from ethnic or racial groups underrepresented in the sciences, and three letters of recommendation to: Dr. Brian McNelis, Department of Chemistry, Santa Clara University, Santa Clara, CA 95053

## CHEMPLOYMENT ABSTRACT 3796

*Position Title:* Chemistry Lecturer

*Description:* An academic year lecturer is needed to teach five quarter courses consisting primarily of lab courses in org chem and general chem. This non-tenure track position will begin Fall 2005.

*QUALIFICATIONS DESIRED:*

*Education:* M.S. in Org Chem is required. Ph.D. preferred.

*Experience:* Prior teaching exp preferred

*LOCATION, SALARY, MAIL ADDRESS:*

*Location:* Santa Clara University  
*Salary:* Competitive  
*Employer Description:* Santa Clara University is a Jesuit institution with an ACS-approved undergraduate program. Santa Clara University is an Equal Opportunity/Affirmative Action employer, committed to excellence through diversity, &, in this spirit, particularly welcomes applications from women, persons of color, & members of historically underrepresented groups. The University will provide reasonable accommodations to all qualified individuals with a disability.

*Application:* By May 15, 2005, send Curriculum Vitae, undergraduate and graduate transcripts, a statement of interest and experience in teaching these or related subjects, a statement detailing experience with individuals from ethnic or racial groups underrepresented in the sciences, and three letters of recommendation to: Dr. Michael R. Carrasco, Department of Chemistry, Santa Clara University, Santa Clara, CA 95053

## CHEMPLOYMENT ABSTRACT 3797

*Position Title:* Laboratory Information Management System (LIMS) Administrator

*Job Description:* LIMS implementation project manager-Lead implementation through system roll out, including document generation, decision facilitation, and system configuration. Coordinate discussions/communication of issues/decisions that need to be made across sites and departments ensuring fair representation and acceptance by all sites and consistent use of the system.

*QUALIFICATIONS REQUIRED:*

*Education:* BS in a scientific area or equivalent years of laboratory experience.

*Experience:* 1-2 years system management experience; Good investigation and problem solving skills; Knowledge of and experience with databases and LIMS applications; Ability to interact with technical professionals to implement the system and solve problems; Ability to prioritize and coordinate activities to effectively meet critical deadlines.

*LOCATION, SALARY, MAIL ADDRESS:*

*Job Location:* Hayward, California  
*Salary:* TBD  
*Employer Description:* Cell Genesys is focused on the development and commercialization of novel biological therapies for patients with cancer.

*Application Instructions:* Please login to: <http://www.cellgenesys.com/careers-job-listing-hayward.asp?reqno=HW-05-010-R> for further details on the job description and to apply.

## CHEMPLOYMENT ABSTRACT 3799

*Position Title:* Sr. Project Engineer/Project Engineer, R&D

*Job Description:* Responsible for obtaining analytical data in support of material and contamination characterization, as well as failure analysis. Hands-on exp with various instruments, including optical microscope, SEM/EDX, AFM/MFM, ESCA/AES, TOF-SIMS, etc, is required. Includes work assign planning, coordination, interaction with proc & prod engs, operation of the instruments, and data analysis. Must be capable of working independently, & have good problem solving & communication skills to relay results & recommendations. Will also provide support for overseas FA function as well as develop analytical tools for characterization of micro-defects.

*QUALIFICATIONS REQUIRED:*

*Education:* Grad Degree in Matl Sci, Phys, Chemistry or equivalent fields.

*Experience:* At least 5 years exp in material & failure analysis, preferably with the disk drive industry. Exp with AES, SEM/EDX, AFM/MFM, ESCA/AES and/or TOF-SIMS highly desired.

*LOCATION, SALARY, MAIL ADDRESS:*

*Job Location:* San Jose, CA  
*Employer Description:* We're currently seeking talented, professional, motivated employees to join us in building on our past success to enter the future.

*Application Instructions:* Send resume, indicating position of interest, to Komag, Inc., Staffing Dept., 1710 Automation Parkway, San Jose, CA 95131. Or FAX to (408) 944-9543. E-Mail: [jobs@komag.com](mailto:jobs@komag.com).

## Safety Publications from ACS

The ACS Joint Board-Council Committee on Chemical Safety (CCS) is pleased to announce the availability of the seventh edition of Safety in Academic Chemistry Laboratories (SACL). SACL is the flagship publication of CCS and has been in print continuously since 1972. This edition has two volumes: volume 1 for college and university students; and volume 2 for faculty, graduate teaching assistants, and administrators.

With this latest edition of SACL, CCS has now produced new safety booklets within the last two years for all academic levels: Safety in the Elementary (K-6) Science Classroom; Chemical Safety for Teachers and Their Supervisors, Grades 7-12; and SACL. All of these publications may be ordered from ACS (single copies are free) and may be viewed in PDF on the Committee website, <http://chemistry.org/committees/ccs>.

## Receive the Newsletter Early!

See <http://www.scvacs.org/newsletter/> for details.



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

Non-Profit  
Organization  
U.S. Postage  
PAID  
Permit No. 344  
Palo Alto, CA

#### MAY 2005 NEWSLETTER TOPICS:

The Great White May Be Gone, But There's Still  
Lots to See!

Chair's Message

Improve Your Skills with Internet-Based Courses

2005 Chemistry Olympiad Finalists

Project Bridge

New Members of Santa Clara Valley Section

Safety Publications from ACS

#### CHEMPLOYMENT ABSTRACTS

To receive emails when newsletters are  
published on our web site, send an email to  
SCVACS-newsletters-subscribe@yahoogroups.com.

## SANTA CLARA VALLEY SECTION

### 2005 Section Officers

Chair: <b>John F. Riley</b>	650-328-4036	jfriley2004@sbcglobal.net
Chair-Elect: <b>David Parker</b>	408-615-4961	dparker@ci.santa-clara.ca.us
Secretary: <b>Karl Marhenke</b>	831-479-6263	karlmar@armory.com
Treasurer: <b>Herb Silber</b>	408-924-4954	hbsilber@sjsuvm1.sjsu.edu
Past-Chair: <b>George Lechner</b>	408-226-7262	george.lechner@usa.xerox.com

### Councilors

2003-05: <b>Maureen Scharberg</b>	408-924-4966	scharbrg@pacbell.net
2003-05: <b>John F. Riley</b>	650-328-4036	jfriley2004@sbcglobal.net
2003-05: <b>Ean Warren</b>	650-329-4554	ewarren@scvacs.org
2004-06: <b>Linda Brunauer</b>	408-554-6947	lbrunauer@scu.edu
2004-06: <b>Sally Peters</b>	650-812-4994	sally.peters@parc.com
2004-06: <b>Peter Rusch</b>	650-961-8120	pfrusch@aol.com
2005-07: <b>Bonnie Charpentier</b>	650-948-3931	charpentierbon@yahoo.com
2005-07: <b>Herb Silber</b>	408-924-4954	hbsilber@sjsuvm1.sjsu.edu

### Alternate Councilors

2003-05: <b>David Parker</b>	408-615-4961	dparker@ci.santa-clara.ca.us
2003-05: <b>Laura Jarvis</b>	650-210-1242	ljarvis@scvacs.org
2004-06: <b>George Lechner</b>	408-226-7262	george.lechner@usa.xerox.com
2004-06: <b>Carol Mosher</b>	650-322-3120	cmosher2@aol.com
2004-06: <b>Ernest Gargas</b>	408-365-2866	eggargas@yahoo.com
2005-07: <b>Mark Kent</b>	408-736-0989	makent@earthlink.net
2005: <b>Abby Kennedy</b>	650-837-8043	akennedy@exelixis.com

### Newsletter

Editor: **Carlene Freeman** 650-513-5000 carlenefreeman@yahoo.com

### ChemPloyment Abstracts

Director: **Shirley B. Radding** 408-246-2564 sbradding@sbcglobal.net

## FUTURE MEETINGS

<b>May</b>	No Local Section Meeting
<b>Jun 15-18</b>	NorthWest Regional Meeting Fairbanks, AK
<b>Jun 18</b>	May Meeting in June Monterey Bay Aquarium Group Guided Tours Monterey, CA
<b>Jul 9</b>	Summer Wine Tasting and Awards Ceremony Stanford University
<b>Aug 28-Sep 1</b>	230th ACS Meeting Washington, DC
<b>Oct 16-20</b>	National Chemistry Week The Joy of Toys

For the latest information, please visit  
SCV/ACS web site: [www.scvacs.org](http://www.scvacs.org)



Printed on  
recycled paper.