

Silicon Valley Chemist

Santa Clara Valley Section

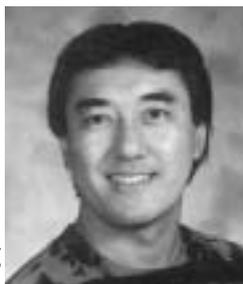
American Chemical Society

Volume 24 No.9

October Meeting: Great Beginnings, Continuing Success, and a Fitting Culmination – Gareth Wong –

Abstract

Gareth Wong is a strong believer in teaching by the guided inquiry method. In guided inquiry, the instructor poses questions or prompts to his students in the hopes of stimulating critical thinking and more lasting understanding. It differs from the inquiry method in that it is not fully open-ended. Unfortunately, fully open-ended activities consume time, which most teachers can ill afford to commit since their



curricula are so heavily tied to state content standards and the large number of tests that students are now expected to take at the end of the year. Many of the demonstrations and experiments that Mr. Wong utilizes in his Chemistry

Honors classes reflect inquiry and deductive reasoning. During the development of these materials, students were asked to critique the activ-

continued on page 3

Reminder: September Dinner Meeting

On September 26th, Dr. Hongjie Dai of Stanford University will be discussing his work with carbon nanotubes. This dinner will be held at the Biltmore Hotel & Suites in Santa Clara. The meeting will start at 6:00 PM with Social Hour, dinner at 7:00 PM, and the Lecture will begin at 8:00 PM. The cost will be \$26 for either a chicken or an eggplant dish. To register, please visit the local section web site at www.scvacs.org or contact Shirley Radding by September 22nd (Phone: 408-246-2564, Fax: 408-296-8625). Hope to see you there!

Chair's Message

Although I missed it, I understand that this summer's picnic was a huge success in no small part because of Sally and Howard Peters hard work and grilling expertise. Thank you both! With the end of summer, we enter a season of great activity. Not only do dinner meetings begin with a talk this month on nanotechnology by Professor Hongjie Dai of Stanford but preparations for National Chemistry Week really start heating up. National Chemistry Week comes a week early this year: October 20-26. The local section along with the ACS student affiliate sections at San Jose State, Santa Clara, and Stanford Universities will run several fun and educational activities highlighting this year's theme: Chemistry Keeps Us Clean. From local libraries, to San Jose's Tech Museum, to Peninsula soccer fields where kids congregate on weekends, events will engage folks of all ages in learning about chemistry, particularly the chemistry of cleaning. If you are interested in volunteering, please contact Asfia Qureshi (asfiq@yahoo.com) who is our National Chemistry Week Coordinator.

continued on next page

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October Award Luncheon

- Date:** Saturday, October 19, 2002
- Time:**
- 11:30 am Luncheon at San José State University Club (408 South 8th Street – cross street is San Salvador)
 - 1:30 pm Awards Ceremony at Duncan Hall 135 at SJSU. Presentation of 2002 ACS Western Region Outstanding High School Chemistry Teaching Award to Mr. Gareth Wong and the 2002 Radding Award to Dr. Paul Walters.
 - 2:00 pm Gareth Wong's seminar (includes demonstrations) in Duncan Hall 135.
 - 3:00-4:30 pm SJSU Department of Chemistry Open House

continued on next page

Chair's Message, continued from front page

The ACS elections are here! You will soon be receiving ballots for National as well as local section elections. The candidates for National offices are, for President-Elect: Charles P. Casey, Alvin L. Kwiram, and E. Ann Nalley; for Directors-at-Large: James D. Burke, Daryle H. Busch, Merle I. Eiss and C. Gordon McCarty; and for Director, District VI: Howard M. Peters, Stanley H. Pine, and Stephen A. Rodemeyer. The Santa Clara Valley Section candidates are, for Chair: George Lechner; for Secretary: Karl Marhenke; for Treasurer: Hong Gao; for Councilors: Maureen Scharberg, John Riley, and Ean Warren; and for Alternate Councilor: David Parker, Laura Rasay, and Asfia Qureshi. I urge you to take the time to look over the candidates' statements and biographical material that accompany the ballots, make your selection, and then make it count by sending in your ballot.

Ean Warren, one of our web gurus, is looking into a plan to offer this newsletter in an electronic form. This would increase the speed of distribution, something that should be of particular interest to those of you looking for ChemPloyment. It also promises savings to the sections on printing and postal costs. Currently, you can sign up for e-mail notification of when the latest newsletter gets posted to our web site. However, this posting does not include ChemPloyment. To join, send an e-mail to: SCVACS-newsletters-subscribe@yahoogroups.com. Ean hopes to draft a plan whereby every member elects to get the complete newsletter by e-mail or regular mail. Stay tuned for details.

Earlier this week I joined several other teachers, post docs, and graduate students in taking high school standardized tests, lots of them. We are working on a nonprofit project called Standards for Success (www.s4s.org) that is looking to make state standardized K-12 tests interpretable and relevant to college admissions and placement (The motto on their brochure reads "connecting high school standards with university success.").

From their web site, "Standards for Success employs a two-part strategy... First, a series of National Conversations held at select AAU institutions will produce a comprehensive statement of what universities desire in well-prepared students." They have already completed this first part.

"Second, researchers... will analyze state educational standards and assessments, then translate the findings and make them available to university admissions officers..." As part of this second task, our group of science faculty from Stanford, U.C. Berkeley, San Jose State, and local junior high and high schools is evaluating the science sections from a number of state exams. There are also teams from other fields working on different sections of the exams. We rate each question according to the skills needed to answer it as well as

the content it covers. It has been enjoyable working with a cross section of teachers from different scientific disciplines and institutions. It took me a while to get used to the education school jargon, but looking at the tests has been eye opening. They vary dramatically in their expectations and coverage.

While evaluating some of the tougher tests, I have overheard folks saying, "I'm glad I didn't go to school in THIS state." I think it is a worthwhile task to make these tests useful for college admissions. In so doing, students might be saved the aggravation of taking additional commercial college entrance exams, and families could save money on these exams and the test preparation course that go along with them. That's the promise anyway. Whether we get there soon or not, tomorrow offers another round of test taking for me.

October Award Luncheon, continued from front page

Location: Map and directions to SJSU also available at www.sjsu.edu/campusmap/map.html

Parking: Park in the 7th Street Garage. Parking is \$4 and correct change, in the form of \$1 bills, is required. Sorry, guest parking passes are no longer available.

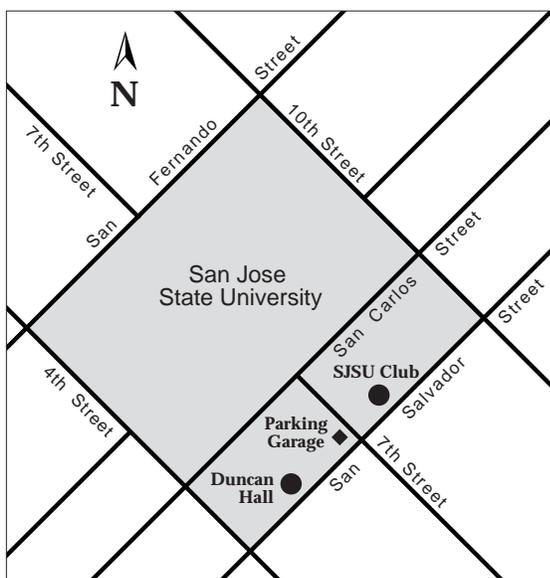
Cost: \$27 with choice of Chicken Dijon or Vegetable Lasagna. Both entrees will be served with rice pilaf, vegetables, and a fresh fruit tart.

Reservations: Shirley Radding Phone: 408-246-2564 Fax: 408-296-8625 Reservations should be made by October 16th; stating your

name, company/school affiliation, number of people in party, and menu preference. Or, register using our web site: www.scvacs.org

Co-sponsored by: Department of Chemistry, SJSU.

Note: ACS members are also invited to attend a special symposium, "Celebrating Excellence in High School Chemistry Teaching" that will be held prior to the Awards Luncheon. Registration materials and additional information can be found on our web site.



Inflation Hits SCV-ACS Dinner Prices to Increase

Your Executive Committee has been wrestling with the same problems that my family and your companies have been dealing with for several years - income and expenditures. The expenditures just seem to increase while the income remains the same, or worse yet, decreases.

The local section is funded solely by local section member dues that we pay at the same time that we pay our national dues. National sends us our allotments quarterly (I believe). We use this money to provide programs for our members, awards from the section, our newsletter, and outreach

to the public. National Chemistry Week activities are examples of our outreach. The Mosher, Radding, and Ottenberg awards include a stipend and travel expenses when necessary. The Executive Committee has been discussing electronic delivery of the Silicon Valley Chemist to reduce its ever growing cost.

This leaves us with our 9 monthly dinner meetings. Over the past few years, these have included topics and speakers like: "Chemistry of the Stradivarius", a panel on MTBE in gasoline, last May's informative wine tasting, combinatorial chemistry, Dr.

Great Beginnings, continued from front page

ities and their feedback was incorporated into final drafts. Students liked the challenge of these labs and preferred them to conventional ("canned") labs where they were simply validating what others had done before. In his talk, Mr. Wong will share the beginning, mid-year, and year-ending laboratory activities used in his classes, along with a variety of demonstrations that reflect his basic philosophy of teaching.

Biography

Gareth Wong was born and raised in Hawaii, where he received both his Bachelor's and Master's degrees. He also took extensive coursework at both UC Berkeley and San Jose State University. He has taught 36 years in the Fremont Union High School District at two schools; the last 13 years at Homestead High School where he also currently serves as science department chair. He was a part-time instructor for 7 years at West Valley Community College.

Gareth has organized and presented at numerous workshops and conferences in the Bay Area, involving such luminaries in chemical education as the late Dr. Hubert Alyea, the late Dr. J. Arthur Campbell, Dr. Bassam Shakhshiri, and Dr. Glenn Seaborg. Some of these conferences involved well over 100 teachers and represent the best-attended chemistry

conferences ever held in Northern California. He was selected as a teacher fellow for the first Dreyfus Summer Institute in High School Chemistry (1982) and served as both President and Secretary of the Northern Section of the California Association of Chemistry Teachers (1985-1987).

Gareth was selected Teacher of the Year for the city of Sunnyvale (1991 and 2000) and picked Teacher of the Year for the five-school Fremont Union High School District (2000). He was designated a Tandy Technology Fellow in 1997. He was awarded the Education Award by the Tech Museum of Innovation (1994), primarily for his efforts in founding and directing the Bay Area Math and Science Alliance (1992-1996), where he trained industry volunteers in the creation and grading of various types of authentic assessments, such as problem solving/essays, laboratory practicals, oral presentations, and justified multiple-choice exams.

He also has been an eight-time fellow with Industry Initiatives for Science and Mathematics Education (IISME), a non-profit organization that places teachers in industry jobs during the summer. He participated in the Partners in Science Program under Dr. Paul Wagenknecht at San Jose State for two summers.

Carl Djerassi, Dr. Darleane Hoffman, and Dr. Glenn Crosby. The list goes on!

We try to have these dinner meetings in locations that are convenient for all of our members and price them as reasonably as we are able. The member price has been \$25.00 for at least 5 years. And, as one of our web page editors reminds us monthly: "This price includes hors d'oeuvres, main course, coffee, dessert, a glass of wine, and gratuities!" Needless to say the \$25.00 you pay does not cover everything. The Treasurer recently provided us with figures that confirmed my suspicions - we subsidized the first 6 dinner meetings of 2002 on the average of about \$750.00 a dinner! That could be as much as \$6,000 - \$7,000 a year. Unfortunately, we cannot continue at this rate.

What do other professional societies do for their local meetings? Many societies charge up to \$45 for a dinner and speaker, others do not have dinners, and some only have quarterly meetings.

We would like to continue with our present format, but there must be a change. You will begin to notice slight increases in the cost of the dinners. In the near future, it will be \$26 for September and \$27 for October. The Biltmore Hotel has helped us to keep our costs down, but that really limits our dinner selections. They do not charge us for the extra meeting room, if we reserve a minimum of dinners. Remember, you can come to just the lecture without a dinner charge but we do have to meet their dinner minimum.

When I was Chair last year, I put out a plea for other possible locations in which to hold our meetings. Unfortunately at that time no one had any suggestions, so I will ask again for your help in locating new inexpensive areas for our meetings. Does your company's cafeteria host evening meals? Mine does, as does SRI, but then we have additional hidden charges for security, etc!

We need your help.

Sally Peters

Past Chair of the SCVACS
speters@parc.xerox.com

Patent Truths

College and university information

It was reported earlier that the Cohen Boyer gene splicing U.S. patent of Stanford and UC San Francisco generated over \$300,000,000 in its 17-year lifetime. Some other academic patent success stories follow:

1. The University of Wisconsin, in the 1920's, realized that its academic research was not being commercialized. A group of Wisconsin alums went together to create a fund to move the research into the commercial market place. Thus was created the Wisconsin Alumni Research Foundation (WARF). They hit a big winner earlier on (www.warf.ws).
2. Professor Harry Steenbock at University of Wisconsin had been having success with his vitamin D research. Look at your milk carton. The irradiated ergosterol is the fortification of milk with extra vitamin D as found in his US Patent No. 1,680,818 issued August 14, 1928. Other patents followed.
3. In the 1940's, Dr. Karl Paul Link discovered some unusual properties of coumarin. It would work as an in vivo blood thinner in mammals in various blood related diseases and conditions as described in US Patent No. 2,601,204 issued on June 17, 1952. The COUMIDIN my mother took after her strokes was coumarin to try to ward off subsequent strokes.
4. Karl Link's vitamin K work had another twist in that it would induce fatal internal bleeding in small mammals (rats, mice) but was not a serious problem when ingested by larger mammals. D-CON is a rat poison; its active ingredient WARFARIN (coumarin) is a vitamin K antagonist as described in US Patent No. 2,783,177 (issued on February 26, 1957). Does anyone else think it is ironic that former president Richard Nixon after he resigned developed phlebitis and was treated with coumarin?
5. WARF is now a \$20 million+ a year research organization with a

12-story building in Madison. It has returned over \$500 million to the University over the years for scientific research. The latest advances from WARF include early MRI detection (US Patent No. 4,654,591), organ preservation solutions (US Patent 4,798,824) and stem cell research (US patents No. 5,843,780 and No. 6,200,806).

6. The Research Corporation was founded in New York about 1912 with some of the profits received by Frederick Cottrell for his invention of the electrostatic precipitator. At www.invent.org, see US Patent No. 895,729 issued in 1908. The Research Corporation focuses on the patenting of research at non-profit organizations such as colleges, universities and institutes who do not have on-site intellectual property functions. It has funded research for William's Vitamin B₁, Robert Goddard's rockets, and E.O. Lawrence's cyclotron at UC Berkeley. It moved to Tucson AZ about 20 years ago and Dr. Mike Doyle, a chemist and active ACS member, is its new president.

Some Corrections:

March 2002:

The ship Darwin traveled on was the Beagle. His father and grandfather were two of the most prominent and well-to-do physicians in England. The family did not know what to do with unfocused young Charles Darwin.

April 2002:

Michael Sarnoff should be David Sarnoff of RCA.

July 2002:

The story of Dr. Herman Mark's platinum coat hangers is a true one and is found in Edward Teller's autobiography. Teller was a student of Dr. Mark. Thanks to Stan Martin.



Editor's Corner

Due to the Boston national meeting, there will be no technical division column this month. I have made contact with a division who is willing to submit an article for the October issue. Watch for it! Best wishes to the teacher readership for the upcoming academic year!



Calling All Chemists and Chemical Engineers

As many of you know, NCW will celebrate October 20-26 this year. The theme of this year's event is "Chemistry Keeps Us Clean," a salute to the role of chemistry in our daily lives as well as the availability of things in the home for the use in basic chemical experiments. The Santa Clara Valley local section is organizing several events to celebrate chemistry including a teacher workshop, classroom and soccer field demonstrations, exhibits at the Tech Museum in San Jose, public library displays, and a personal-hygiene products drive. We would like to encourage all of you to organize a personal-hygiene products drive at your workplace entitled "Chemistry Makes Cleaning Possible". Collect items such as soap, detergent, toothpaste, toothbrushes, shaving cream, washcloths and sponges as a way to highlight the contributions of chemistry while giving back to the community. These items can then be donated to your local St. Vincent de Paul Society or homeless shelters.

For more information, contact your local NCW Coordinator, Asfia Qureshi at asfiaq@yahoo.com or during business hours at (650) 526-3031.

The University of Tennessee/NSF Supported Research Opportunities for Faculty

The National Science Foundation Chemistry Division has instituted a program of Research Sites for Educators in Chemistry (RSEC) in recognition of the need to encourage research and experiential learning at primarily undergraduate institutions (PUIs) in the US. The Site at the University of Tennessee in Knoxville offers US PUI faculty in chemistry, biology, and other related fields opportunities for NSF-supported fellowships aimed at enhancing both research and teaching in chemistry and related disciplines at Fellows' home institutions. Postdoctoral fellowships are available (at lower priority) for prospective PUI faculty who are US citizens or permanent residents.

NSF/RSEC now offers Fellows flexible research visits of 2-15 months at the University of Tennessee in Knoxville (UTK) and/or at a research-active institution, including Oak Ridge National Lab, UT-Chattanooga, University of the South (Sewanee), University of North Carolina-Asheville, Berea College, and Procter & Gamble. Research hosts at UT and the "partner" institution(s) will help each Fellow establish collaborations sustainable

beyond the term of appointment though "catalyst" grants of up to \$7000 upon completion of the Fellowship. Funding is also provided for sabbatical and/or summer salary, displacement and travel expenses, and supplies.

Teaching activities will be limited to no more than one course per semester (none in the summer), providing an opportunity to share teaching ideas while being actively engaged in state-of-the-art research. Support is now available for a qualified student from the Fellow's home institution for research with the Fellow during and/or after the Fellowship.

Details about the program, contact the RSEC Program Director:
Dr. Kelsey D. Cook
Department of Chemistry
The University of Tennessee, Knoxville
Knoxville, Tennessee 37996-1600
e-mail: rsec@utk.edu
Phone: 865-974-8019

Applications can be submitted at any time, but should be received by mid-January for Fall start dates and mid-July for Spring start dates.

Points to Ponder

In each of us are places where we have never gone. Only by pressing the limits do you ever find them.

Dr. Joyce Brothers
Psychologist



Never doubt that a small group of thoughtful, committed people can change the world. Indeed, it is the only thing that ever has.

Margaret Mead



Always you have been told that work is a curse and labour a misfortune. But I say to you that when you work you fulfill a part of earth's furthest dream, assigned to you when that dream was born, and in keeping

yourself with labour you are in truth loving life . . .

Kahlil Gibran



To be what we are, and to become what we are capable of becoming is the only end in life.

Robert Louis Stevenson



The only job you start out at the top on is digging a ditch.

William Ensley



And the day came when the risk it took to remain tight inside the bud was more painful than the risk it took to blossom.

Anais Nin

SCV-ACS Nominations for 2002

CHAIR-ELECT

George Lechner



SECRETARY

Karl Marhenke



TREASURER

Hong Gao



COUNCILORS (3)

Maureen Scharberg

John Riley

Ean Warren



ALTERNATE COUNCILORS (3)

David Parker

Laura Rasay

Asfia Qureshi

ACS Committee on Professional Training

The ACS Committee on Professional Training (CPT) is in the final stages of revising the guidelines for the chemistry education option as part of the ACS approval process for undergraduate chemistry programs. In addition to revising the guidelines, CPT is considering the addition of a chemistry education minor. The Committee would like your comments on the proposed changes to the guidelines. For more details, please visit the CPT website at <http://chemistry.org/education/cpt>.





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CHEMPLOYMENT ABSTRACTS – SEPTEMBER 2002

CHEMPLOYMENT ABSTRACT 3692

Position Title: Research Associate/Senior Research Associate Exploratory Research

Job Description: Synthesize new compounds such as metallotexaphyrins and other porphyrin-like macrocyclic drug candidates. Also assist with the synthesis of new chemical intermediates for drug lead discovery, scale up key synthetic intermediates, and interpret data (NMR, MS, HPLC) with little guidance. Experience with multi-step organic synthesis and flash chromatography. Requires a BS/MS in chemistry with 1-5 years of academic or industrial experience in a synthetic research and/or development environment.

QUALIFICATIONS DESIRED

Education: BS/MS in chemistry
Experience: 1-5 years of academic or industrial experience in a synthetic research and/or development environment.

LOCATION, SALARY, MAIL ADDRESS

Location: Sunnyvale, California 94085, USA
Description of Employer: Pharmacyclics is a pharmaceutical company developing novel agents to improve upon current therapeutic approaches to cancer, atherosclerosis and renal disease.

Application Instructions: Please apply at hr@pcyc.com or fax (408) 774-0340 Attention Human Resources, 995 East Arques Ave, Sunnyvale, CA 94085

CHEMPLOYMENT ABSTRACTS 3693

Position Title: Vibrational Spectroscopy, IBM Storage Technology Division

Job Description: FTIR/Raman position in dedicated mats/analytical lab. Will work on a wide range of materials & problems as part of the primary mats lab. Supervise 2 techs & maintain state-of-the-art lab to support research, development & manufacturing.

QUALIFICATIONS DESIRED

Education: PhD
Experience: Requires excellent hardware & spectral interpretation skills for both FTIR & Raman, good communication & report writing skills & exp with thin films, microcontaminants & polymers. Exp with micro-electronics fabrication type contamination a plus. Relevant exp beyond school a plus.

LOCATION, SALARY, MAIL ADDRESS

Location: San Jose
Description of Employer: A world-wide vertically integrated hard disk drive company

Application Instructions:
Send resume to: Job K059216
Charles Hignite
408-256-3348
[email: hignite@us.ibm.com](mailto:hignite@us.ibm.com)

CHEMPLOYMENT ABSTRACTS 3694

Position Title: Research Associate II/III-Scientist I

Job Description: Develop/manufacture/analyze formulations of drug substance for virology programs in pre-clinical/early clinical development. Contribute to dosage form design by conducting pre-formulation, stability/formulation studies and play a hands-on role in the manufacture/analysis of supplies. Will also maintain lab/manufacturing equipment.

QUALIFICATIONS DESIRED

Education: BS/MS in Chem/Pharm Sci with 3-5/1-3+ yrs. exp. (RA II)
Experience: Will also consider relevant degrees & 5+ years exp (RA III) & PhDs with proven formulation or analytical development exp & HPLC skills (Scientist I). A solid understanding of GMPs/GLPs, basic computer proficiency & strong oral/written communication, problem-solving & teamwork skills are strongly desired for all positions.

LOCATION, SALARY, MAIL ADDRESS

Description of Employer: Roche offers an exciting drug discovery environment

Application Instructions: Send resume to: Email, indicating Job Code 2526-ACS, to palooalto_hr_staffing@roche.com You may also visit our website at <http://palooalto.roche.com>.

CHEMPLOYMENT ABSTRACTS 3695

Position Title: Research Associate. Bioanalytical Mass Spect

Job Description: This position involves: (1) Operation of mass spect instrumentation for the analysis of bio samples provided by potential customers, (2) In-house customer training, and (3) Development & validation of QC protocols for release of MALDI-TOF mass spectrometry instrumentation.

QUALIFICATIONS DESIRED

Education: BS/MS Biology, Biochemistry, Chemistry or equivalent.
Experience: Exp working in a protein bioanalytical lab. Skilled at handling bio samples at the micro level. Able to operate, maintain, and process data from mass spectrometers including database searching. Able to collaborate and work effectively in teams. Willing to train customers on the use of MALDI-TOF instrumentation.

LOCATION, SALARY, MAIL ADDRESS

Location: Sunnyvale, CA
Salary: Competitive salary and benefits
Description of Employer: Scientific Instrumentation. Manufacturer of state of the art MALDI-TOF mass spectrometers. Visit our websites at www.SRSmaldi.com and www.thinksrs.com

Application: Send resume to: Gerardo Brucker, Ph.D. Stanford Research Systems, Inc. E-mail: gab@thinksrs.com

CHEMPLOYMENT ABSTRACTS 3696

Position Title: Research Associate/Staff Scientist - Analytical Chemistry JZ001

Job Description: Troubleshoot open access LCMS and GCMS, high thruput LC-UV-MS purification, maintain proprietary decoding instrumentation, software & data handling, data interpretation for chemists and biologists, parallel purification, participate in scheduling instruments and analyses, & remain current with the latest anal advances.

QUALIFICATIONS DESIRED

Education: PhD, MS or BS in Analytical Chemistry
Experience: PhD with min 1 yr ind exp; OR: MS or BS degree in Chem with 3-5 yr of ind exp in Anal Chem. Knowledge of syn org chem & exp with current analytical techniques including HPLC & LCMS is ESSENTIAL. Exp in cpd purification using various analytical techniques.

LOCATION, SALARY, MAIL ADDRESS

Location: Palo Alto
Salary: Open
Description of Employer: Affymax offers challenging and rewarding positions for leading, and discovering promising drug discovery leads for difficult pharmaceutical targets.

Application: Send resume to: Affymax, Inc. 4001 Miranda Ave, Palo Alto, CA 94304 Fax: 650-424-0832, JC JZ001 Email: careers@affymax.com Website: www.affymax.com

CHEMPLOYMENT ABSTRACTS 3697

Position Title: Bioanalytical Scientist

Job Description: Will develop methods for protein & small molecule characterizations & high thruput screens for a wide variety of molecules in biological matrices.

QUALIFICATIONS DESIRED

Education: Ms or PhD, chemistry or related field
Experience: Exp in sample prep highly desirable. Background in data integration, analysis using LIMS & exp working in an industry setting preferable. Interactions with multiple proj groups is an integral part of job; excellent communication skills & ability to work well in team environment are required.

LOCATION, SALARY, MAIL ADDRESS

Location: Redwood City
Salary: Commensurate with exp
Description of Employer: Leader in design and application of directed evolution to create novel biotech products.

Application Instructions: Send resume to: www.maxygen.com or HR, Job #ATG-252 515 Galveston Drive Redwood City, CA 94063 Email: jobs@maxygen.com FAX: 650-298-5453 See our website at www.maxygen.com

EMPLOYMENT HELP IN OTHER AREAS OF CALIFORNIA

The following are names and addresses of contacts in other California Sections. You may write to them or call to find out how to receive their job listings or how to place a job listing with them. Do not send self-addressed envelopes unless requested to do so.

California Section

Mrs. Nancy Gephart
American Chemical Society
California Section
49 Quail Court
Walnut Creek, CA 94596
925-287-8055
e-mail: office@calacs.org

California Los Padres Section

Dr. Sandra Lamb
Chemistry Dept.
University of California,
Santa Barbara
Santa Barbara, CA 93106-9510
e-mail: lamb@chem.ucsb.edu

Mojave Desert Section

Dr. Peter Zarras
NAWCWD, Code 4T4220D
1 Administration Circle
China Lake, CA 93555
760-939-1396
e-mail: zarrasp@navair.navy.mil

Orange County Section

Geoff Anderson
Hycor Biomedical
78272 Chapman Avenue
Garden Grove, CA 92641
714-895-9558
Ron Denedour
23731 Coronel Drive
Mission Viejo, CA 92691-3306

Sacramento Section

John R. Bingham
809 W. Stadium Lane
Sacramento, CA 95209
916-927-7088
916-927-7006 FAX

San Diego Section

Renate Valois
619-260-4513
619-260-2211 FAX
e-mail: pascal@acusd.edu

San Gorgonio Section

Valerie Barrett
Sunkist Growers
e-mail:
vbarrett@sunkistgrowers.com

Southern California Section

Send a self-addressed, 55 cent stamped business envelope to:
ACS job listing
14934 South Figueroa Street
Gardena, CA 90248
310-327-1216
e-mail: office@scalacs.org
www.scalacs.org/employ.html

Labor Day



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CHEMPLOYMENT ABSTRACTS

Visit our web site at:



<http://www.scvacs.org>

SANTA CLARA VALLEY SECTION

2002 Section Officers

Chair: Jon Touster	650-723-4340	touster@leland.stanford.edu
Chair-Elect: Maureen Scharberg	408-924-4966	scharbrg@pacbell.net
Secretary: Karl Marhenke	831-479-6263	karlmar@armory.com
Treasurer: Hong Gao	650-564-5197	hong.gao@alza.com
Past-Chair: Sally Peters	650-812-4994	speters@parc.xerox.com

Councilors

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FUTURE MEETINGS

Sep 22-25	Combinatorial Chemistry ACS Prospectives Conference Leesburg, VA
Sep 26	SVC Dinner Meeting <i>Dr. Hongjie Dai</i> Stanford University
Oct 13-16	Future Directions of Drug Delivery Technologies ACS Prospectives Conference Boston, MA
Oct 19	Award Luncheon San Jose State University
Oct 20-26	National Chemistry Week
Nov 12-13	5th Symposium on Groundwater Contaminants Fresno, CA
Nov 21	SCV Dinner Meeting <i>Dr. Jim Collman</i>
Jan 17	SCV Dinner Meeting <i>Dr. C. Marvin Lang</i>

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