

Silicon Valley Chemist

Santa Clara Valley Section

American Chemical Society

Volume 24 No.10

November Dinner Meeting

Naturally Dangerous: Surprising Facts About Food, Health and Environment

– Dr. Jim Collman –

Abstract

This lecture will review Dr. Collman's recently published book: "Naturally Dangerous, Surprising Facts About Food, Health, and the Environment" (University Science Books, 55D Gate Five Road, Sausalito, CA 94965; www.uscibooks.com). This book connects observations from our everyday lives to the scientific principles that explain them. It contains information on organic and commercial foods, natural herbs, modern medicine, the environment, global warming, and much more. Dr. Collman has avoided scientific jargon and mathematics to make this book comprehensible to nonscientists and scientists alike. A selection of chapter headings give a flavor of its contents: Chemicals Lurking in Your Grocery Store, Is the "Health Food Store" an Oxymoron?, Infectious Agents: Are All Microorganisms Bad?, Cancer and



the Environment, Is the Sky Falling?, and We Are All Radioactive!

Biography

Professor Collman is the Daubert Professor of Chemistry at Stanford University where he has been on the faculty for 34 years. Dr. Collman is a member of The National Academy of Sciences and has received numerous awards for his research and teaching. In 1983 he was named California Scientist of the Year. More than 40 of his graduate and postdoctoral students occupy teaching positions at universities around the World; in 2001, one of his former postdoctorals, won the Nobel Prize in Chemistry. Twelve of Collman's former students have founded small companies, some of which are in the Bay Area. Collman is an avid fly-fisherman and he has broad interests in the environment, health, nutrition and the history of science.

November Dinner Meeting

Date: November 21, 2002

Time: 6:00 Social hour
7:00 Dinner
8:00 Lecture

Location: Biltmore Hotel & Suites
2151 Laurelwood Road
Santa Clara, CA 95054

Speaker: Dr. James Collman
Naturally Dangerous:
Surprising Facts About
Food, Health and
Environment

Cost: \$27.00 with the choice of
Pork Marsala or Vegetarian
Crepes on garlic pasta

Reservations: www.scvacs.org
Shirley Radding
408-246-2564
408-296-8625 Fax

Reservations should be made by November 18th, stating your name, company affiliation, number of people in party, and menu selection.

If you are unable to honor your reservation, you will be invoiced following the dinner meeting.

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Reminder: October Award Luncheon

On Saturday October 19th, our monthly dinner meeting actually will be a luncheon at 11:30 am and will be held at the San Jose State University Club. During this time, we will be presenting awards to Mr. Gareth Wong, the 2002 ACS Western Region Outstanding High School Chemistry Teacher recipient, and Dr. Paul Walter, the 2002 Radding Award recipient.

For reservation, please visit the website (www.scvacs.org) or contact Shirley Radding (408-246-2564, 408-296-8625 FAX), by October 16th.

Addendum on Dinner Meeting Costs

Last month I wrote explaining the increase in the charges for dinner at our monthly meetings. You have probably noticed that the November meeting will also be \$27.00. I would like to mention another reason the costs have increased - No Shows! When you make a reservation, please keep it. If you are not able to attend, and know by the Monday before the meeting, call Shirley Radding (408-246-2564) and cancel. We may be able to change the numbers at the restaurant. But better yet, send a colleague in your place! That way, we can meet someone new, and not have to send you an invoice for your missed dinner.

Beginning with the November dinner, we will bill you if you have not filled your reservation. We really do not want to put this policy in place, because it is more work for the volunteers, but easier than making everyone pay in advance! Not to mention being embarrassing!

Sally Peters, Past-Chair

Chair's Message

October is here, and it's a busy month. Gareth Wong will receive the 2002 ACS Western Region Outstanding High School Chemistry Teaching Award at a luncheon at San Jose State on Saturday the 19th. The next day begins seven days of activities for National Chemistry Week. Check elsewhere in this newsletter for details on both events. October is also the time you should mail in your national and local ACS ballots.

My postdoctoral advisor admonished his group to submit their papers to journals published by nonprofit societies. I naively asked why, and he told me of the incredible cost of for-profit journals. I recalled this advice when I recently read a profile of Pat Brown in the San Francisco Chronicle (9/2/02). Brown, a Stanford biochemist, is on a mission to create a "Public Library of Science." This would be an online database of journal articles free to all. Apparently, his idea is that six months after publishing an article, a scientific journal would give it to the database. The six-month delay must have been included to allow journals to retain a market, those who need the information immediately. Certainly there would be libraries, industries, and even scientists who would maintain subscriptions, but many would not.

Over the last ten years, I have seen numerous memos from financial pinched libraries polling their users as to which journals to cancel. Nine years or so ago, I recall a journal that cost \$5000 per year. It seemed astronomical. To catch up on what is going on now, I contacted Grace Baysinger, Head Librarian at Stanford's Swain Chemistry and Chemical Engineering Library. Grace is a thorough, prompt, and fabulous librarian. Before I could bat an eye, she had sent me four e-mails full of detailed information and web links to articles and organizations. Apparently, \$5000 per year is small potatoes now. Here are the costs of just a couple journals: Tetrahedron, including Tetrahedron Asymmetry, is \$14,203, and Journal of

Local Younger Chemist Committee Wins Award

For the second year in a row, our local section's Younger Chemist Committee (YCC) has won a ChemLuminary Award at the ACS Fall meeting. ChemLuminary Awards are awarded to local sections and division to honor volunteer members whose efforts have helped achieve excellence. This year, the YCC won in the category of Most Creative Local Section Younger Chemist Committee Event for our participation in the "Bay to Breakers" run last year. This outreach activity enlisted members to participate in the run through San Francisco. The local section contributed \$150 to grants for teachers on behalf of ACS members participating in the run. Claire Komives, YCC chair (ycc@scvac.org), accepted the award.



National Chemistry Week 2002 Celebrating How Chemistry Keeps Us Clean

During National Chemistry Week, October 20-26, members of our local Santa Clara Valley ACS section will join forces with thousands of chemists, teachers, students, and other volunteers to pay tribute to chemistry: its contributions to our cleanliness and its significance to improving our everyday lives. Participants are gearing up and planning events to carry out the theme, "Chemistry Keeps Us Clean". Mayor Ron Gonzales has proclaimed October 20-26 "National Chemistry Week." Local NCW activities this year will include a personal hygiene products drive for items such as soap, detergent, toothpaste, toothbrushes; career events at local colleges; displays in local libraries; chemical demonstrations; a poster contest for K-12 students; and more. Details will soon be posted at our website www.scvac.org and I encourage you all to take a look as we get closer to the dates.

We have been extremely fortunate this year to receive some great booklets on "Soaps and Detergents" from Nancy Bock, the Senior Director of Consumer Education at the Soap and Detergent Association. These booklets will be given to teachers at the upcoming teacher's workshop on the eve of National Chemistry Week on October 19 that Celebrates Excellence in Teaching High School Chemistry. For more information on how you can participate in NCW, contact your local NCW Coordinator, Asfia Qureshi by email at asfiaq@yahoo.com or by phone during business hours at (650) 526-3031.

Chair Message, continued from previous page
Chromatography: Section A is \$11,591. Even ACS journals have gotten more expensive, although they are still a relative bargain. For example the Journal of the American Chemical Society is \$2684. For an eye opening and graphical view of journal costs, see "Sticker Shock" at Cornell's library web site: www.library.cornell.edu/english/displays/stickershock/

One report by Mary M. Case is dryly titled "The Impact of Serial Costs on Library Collections" and is posted on the Association of Research Libraries (ARL) site (www.arl.org/newsltr/218/costimpact.html), is quite enlightening. It reads:

"libraries were among the first to feel the pain of escalating prices that came as a result of the commercialization of scholarly journal publishing... Since 1986...[the] total serial unit cost increase [has been] 226%. The result is that in 1999-2000, ARL libraries spent almost three times as much on serials as they did in 1986 and yet the number of titles acquired was 7% fewer. This seemingly moderate reduction in serial holdings reflects a certain amount of damage control; that is, many libraries have shifted funding from other parts of their budget to lessen the impact on serials. Monograph acquisitions, for example, have fallen...17%.... Not all journal titles are equally expensive. Studies have shown that there is a "profile" of expensive journals that routinely post extraordinarily high rates of price increase. For example, the title is typically in the science-technical-medical area, where journals are the primary vehicle for the communication of scholarly information. Its publisher is likely to be a for-profit company as opposed to a not-for-profit society or association... Clearly, this price tag is not sustainable by the library market."

In some ways the pricing methods and structures of some of the journals seem to be self-defeating. Grace told me that Swain was the last library in California to cancel a particular journal. She said that as others had canceled their subscriptions, the price kept increasing dramatically,

until Swain had to cancel. I guess the journal maintained its profit margin but destroyed its market. Nevertheless, the potentially crippling cost of journals has gotten people to speak out. The ARL has a web page called Create Change (www.arl.org/create/librarians/intro/aboutcc.html). Its purpose is "to make scholarly research as accessible as possible to scholars all over the world, to their students, and to others who might derive value from it." I learned that enveloped within the goal of accessibility is a battle bigger than just the cost of journals.

The revolution of electronic publishing has crashed into the traditional copyright agreements between authors and scientific journals. Can scholars post their articles on their own web pages, or e-mail them to others? Currently, publishers hold complete copyright control. Scholars have limited use of their own data once they have been published. The American Association for the Advancement of Science (AAAS), funded by the National Science Foundation, has issued a report dealing with this issue. Entitled "Seizing the Moment: Scientists' Authorship Rights in the Digital Age" the report itself is freely available on the web:

www.aaas.org/spp/sfrr/projects/epub/finalreport.pdf. I understand from the AAAS web page (www.aaas.org/news/releases/2002/0712ip.shtml) that the report's suggestions are not radical. They largely involve modifying the copyright agreement to give authors greater use.

While the conclusions from the AAAS report are not as radical as the Public Library of Science, both share a common goal of unimpeded access to scientific work. In the Chronicle article, some call Brown an ideologue, and imply that he is tilting at windmills. He may be. Windmills can be substantial foes, made of brick and mortar. But aren't windmills an anachronism? It seems to me that paper and glue journals, particularly those that are profiteering, are fighting the harder battle in this electronic age. Sure, they can switch media to electronic publishing, and some have, one has a \$20,000 surcharge for online access! The issue has less to do with the medium of publication than with the power of the medium to alter the business of publication. With profiteering limiting access to scientific information, we will see more scientists like Brown using the web to invent new ways of liberating the data.

Candidate Statements for Director District VI

HOWARD M. PETERS

I am honored to be a candidate for Director of District VI. A member of this ACS for 40 years, and have been involved in ACS local, national, divisional and national activities for the past 25 years.



Since becoming active in the ACS, I have been elected to and served on three ACS elected committees of the Council (Committee on Committees, Nomination and Elections, and presently serve on the Council Policy Committee), twice chaired a large

local section, helped to found and later chaired an active ACS division (Chemistry and the Law), have been a local section councilor and divisional councilor, governance activities. More detailed information is also found at website: <http://bometown.aol.com/peters4pa/mybhomepage/profile.html>

Some of my activities as District VI Director will include:

1. To represent and visit all local sections in District VI during my term and become personally involved of their concerns and to encourage communication using e-mail channels.
2. To attend and participate in each Northwest Regional Meeting

continued on next page

Candidates, continued from previous page

(NORM) as I did in Spokane in June 2002 and to work in expanding all ACS Western Regional Meetings to make them more attractive and financially viable.

3. To improve science literacy and science education at all levels, particularly for K-12.
4. To increase the presence, personal and financial involvement of the ACS in local, regional, national and international science and engineering fairs.
5. To continue to expand involvement and representation of industrial chemists in the Society.
6. To increase the efforts to attract women and under-represented minorities into chemistry with new and expanded activities.

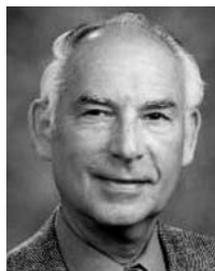
PLEASE DO NOT DISMISS ME AS A CANDIDATE BECAUSE I AM NOW AN ATTORNEY AS WELL AS A CHEMIST.

I ask for the first of your two votes to become the Director of ACS District VI to accomplish these objectives.



STANLEY H. PINE

Our Society, the premier professional scientific organization of the world, needs enlightened, dynamic leadership. I welcome the opportunity



to use my experience to effectively represent you on the ACS Board of Directors, initially focusing on four areas:

- COMMUNICATION – To enhance the lines of communication with you, our members, through personal visits and electronic interaction. My goal will be to serve as a catalyst to involve chemical scientists in our programs through the local sections, ACS divisions, and the governance structure.
- EDUCATION – To encourage members to think of ACS as a resource to be utilized and promoted as we participate in meeting the challenges of educating America's students,

from kindergarten through graduate study. I want all of us to use our scientific expertise and enthusiasm to help our local teachers become knowledgeable about, comfortable with, and advocates for chemistry.

- PROFESSIONAL SUPPORT – To promote activities that address the broad diversity in members and employment within our district.
- FISCAL RESPONSIBILITY – To guide the allocation of ACS funds for a balance of demands to ensure short and long term viability and service of our programs.

I have developed the expertise and credibility to effectively bring the needs of our members and our profession to the appropriate forums for action. Learn more at

www.stanleypine.org



STEPHEN A. RODEMEYER

As members of the American Chemical Society we must recognize our problems and cannot remain stagnant and complacent. As a Society, we must:



- Continue to modernize our publishing segment to provide the best service.
- Keep our members abreast of the continuously changing scientific

developments through our educational outreach efforts.

- Enlist each member as an active participant in the education of the public and legislative bodies.
- Market us as a Society of involved scientists.
- Provide balanced and responsible views on the contributions and problems in the relationship of chemistry and daily life.

The Board of Directors, as the legal representatives of YOUR Society, must deal with problems by establishing policies and judiciously allocating funds for their implementation. The Board must balance the needs and requests of various segments of our membership with our financial resources. Our members overwhelmingly expect the ACS to help them obtain and achieve continued growth in their careers.

With experience in large and small Local Sections, service on the Local Section Activities, Council Policy, and Budget and Finance Committees, my record shows that I have the experience, capability, determination and time to improve our Society as your representative. I encourage you to read the biographies and full statements of the candidates in C&EN and vote for excellent representation for District VI.

Councilor's Report - 224th ACS National Meeting

Boston, MA • 18-22 August 2002

The fall 2002 ACS National Meeting was attended by Santa Clara Valley Section Councilors Ean Warren, Herb Silber, Maureen Scharberg, Jack Riley, Sally Peters, and Bonnie Charpentier. Alternate Councilor Peter Rusch attended for Linda Brunauer. Some highlights from the meeting, including governance activities are provided here.

Meeting Highlights and News

The Boston meeting had a registration of 17,121 as of Wednesday morning. This meeting marked the debut of the new National

Employment Clearinghouse (NECH) as an online, Internet-accessible employment service. The number of job candidates was 1,242 (higher than each of the past 5 national meetings); company representatives from 154 employers had a total of about 3,300 scheduled interviews. Several events and symposia reflected the President's focus on diversity and on globalization, including symposia on "Diversity in the 21st Century: Factors for Success" and the "Impact of Globalization and Consolidation on

continued on next page

the U.S. Chemical Enterprise". On the topic of diversity, President Eli Pearce noted that although only 25% of ACS members are women, 50% of the new members are women.

National Chemistry Week

"Chemistry Keeps Us Clean" is the theme for NCW, October 20-26, 2002. The local section has some great events planned and has great volunteer opportunities. For further information, contact Asfia Qureshi at asfiaq@yahoo.com.

Western District Councilors Caucus

The WDCC met to discuss various issues coming before council and in committees. Thirteen candidates for office spoke to the Caucus on issues concerning future of the ACS. In addition, the Caucus discussed the various petitions before council. Your section Councilors participated in the caucus; Ean Warren was elected to serve another term as WDCC chair.

Society Committee on Education

Maureen Scharberg attended the Society Committee on Education (SOCED) meeting in Boston. SOCED discussed President Pearce's challenge to "restructure" chemical education. His vision promotes the interdisciplinary nature of chemistry at both the undergraduate and graduate levels. SOCED decided to create a planning committee in response to his challenge. As a member of this committee, Maureen will be involved in planning an invitational conference to define how chemical education could possibly be restructured to reflect the frontiers of chemistry.

SOCED also reviewed the National Research Council (NRC) report on Advanced Placement (AP) Examinations. SOCED identified those recommendations from this report that will be the most useful to the chemistry education community. Dr. Daryle Busch, Chair of SOCED, will address these recommendations in a future issue of Chemistry and Engineering News. If you would like a copy of the executive summary of this report, please contact Maureen Scharberg.

SOCED was also updated on the

current ACS Education programs such as the Office of Graduate Education activities, green chemistry education materials, and an on-line database for Voluntary Industry Standards for Technician Education.

Younger Chemists Committee

Ean Warren attended the Younger Chemists Committee (YCC) meeting. The YCC continues to identify the needs and concerns of younger chemists and to develop programs responsive to their needs through national and local section programs and events. Program ideas for upcoming national meetings were discussed including "The TA-What am I in For?", "PRF Program-How to Write a Grant", "CUR program 'Faculty 101'", and "Fun Run II" for the next national meeting in New Orleans. The Younger Chemist Network (<http://membership.acs.org/scripts/y/ycc/YCN/YCNintro.asp>), which provides volunteer opportunities, referred over 100 people since last meeting. Finally, the YCC hosted the first YCC Leadership Development Workshop for this meeting. Participants in the half-day workshop, design to help ACS members develop the skills needed to be successful, discussed the behaviors of effective leaders and the acquisition of leadership skills. Other workshops will be held at upcoming regional meetings. See http://membership.acs.org/y/ycc/updates_02/ycc_ad.htm for more information.

Council Policy Committee, Council Business, and Votes

Bonnie Charpentier participated in the meetings of the Council Policy Committee which reviewed reports to be presented to Council, and worked in subcommittees concerning industrial members and a task force on ethics. At the Council meeting on Wednesday morning, the following votes were recorded: 1) Approved the increase in the size of Society Committees (Budget and Finance; Education) with 67.6% of the vote; 2) Approved the Petition for Approval of Non-U.S. Applicants as Society Affiliates by voice vote; 3) Approved a

petition for a section name change from the Boulder Dam Section to the Southern Nevada Section by voice vote. A controversial Petition for Local Section and Division Support was withdrawn and a revised version was offered for consideration. Approval of this petition could have a substantial impact on the finances of the Society; it proposes major changes in the funding of Divisions and Local Sections. Your Councilors will be seeking your opinions on this petition; further discussion of it will appear a future newsletter. If you would like to review the proposed petition, the full text of the revised petition is available at <http://web.umn.edu/~fbum/acs/bylaws.info.html>.

There was a great deal of discussion at the meeting of the finances of the Society. The Committee on Budget and Finance reported that the Society is projected to end 2002 with a net deficit of \$4.2 million including \$1.3 million resulting from operations, \$1.7 million from Board appropriations, and \$1.2 million from the Member Insurance Program.

Looking Forward

The next ACS National Meeting will be held in New Orleans, March 23-27, 2003. More information about future meetings can be found at www.acs.org/meetings. Section members interested in biotech may want to see the sessions planned by the Biochemical Technology Division for the New Orleans meeting - more detail can be found at www.umbc.edu/engineering/ACS2003.

For 2003, President-elect Elsa Reichmanis has chosen the theme of Communications. The National Chemistry Week theme for 2003 will be "Celebrating Chemistry: Earth's Atmosphere and Beyond." For information, suggestions or questions regarding any of the topics in this report (or anything else), please feel free to contact your Councilors; see back page.

Bonnie Charpentier
Councilor

Division of Chemical Information

The Division of Chemical Information began as an interest group of the Division of Chemical Education in 1943. In 1948, it became a separate division under the name of the Division of Chemical Literature. In 1975, the name was changed to the Division of Chemical Information (CINF). CINF provides, "a forum for the exchange of information and expertise among the generators, developers, providers, and users of chemical information worldwide". Currently serving almost 1500 members, our members come from academia, industry, and government. They include cheminformatics specialists, chemistry librarians, patent information specialists, database developers, vendors, and chemists in other specialties who are heavy users of chemical information.

CINF sponsors a full program of symposia at every ACS National Meeting, covering topics such as information operations management, storage and retrieval of chemical information, drug design, commercial chemical information sources, computer-based information processes, combinatorial cheminformatics, patents, copyright, environmental and regulatory information, structure-activity relationships, and more. We frequently co-sponsor symposia with other divisions such as the Division of Computers in Chemistry (COMP) and Chemistry and the Law (CHAL).

In addition to National Meeting programs, CINF is responsible for the National Chemical Information Symposium, a Gordon Conference-like forum held every two to three years, and co-sponsors the International Conference of Chemical Structures (triennial, with the Chemical Structure Association, Royal Society of Chemistry, German Chemical Society, and the Royal Netherlands Chemical Society) and the Tri-Society Symposium (quadrennial, with the Special Libraries Association and the American Society for Information Science and Technology.)

The Division also teaches a workshop on teaching chemical information, which has been presented at National Meetings, regional meetings, the Biennial Conference on Chemical Information and at Special Libraries Association meetings.

CINF publishes the Chemical Information Bulletin for its members, as well as an online newsletter and is a co-sponsor of the CHMINF-L listserv for chemical information professionals.

CINF sponsors the annual Herman Skolnik Award for distinguished achievement in chemical information, the annual Lucille M. Wert Student Scholarship Award for promising students interested in a career in chemical information, and the Meritorious Service Award for division members with an outstanding record of service to the Division.

In the coming year, CINF hopes to increase its presence at regional and local meetings, and to increase outreach to other ACS divisions by co-sponsoring symposia addressing

the information needs of specific chemical disciplines.

We are always eager to welcome new members. Annual dues for ACS members are only \$10. We encourage members to also be active in the division; you can find a list of our committees and their members and Division officers at our website, currently at www.lib.uchicago.edu/cinf/ along with much more information. Please feel free to direct your inquiries to the appropriate committee chair, or to me personally.

Chuck Huber
Chair, 2003

Division of Chemical Information
Davidson Library

University of California Santa Barbara, CA 93106
huber@library.ucsb.edu
805-893-2762



Paid Advertisement

VOTE FOR

Howard M. Peters

District VI Director

<http://hometown.aol.com/peters4pa/myhomepage/profile.html>

Education: Geneva College, B.S., 1962 (magna cum laude and Department Honors in Chemistry); Stanford University, Ph.D., 1967; University of Santa Clara, J.D., 1978

Awards: Shirley B. Radding, Middlekauff Distinguished Service, Ottenberg; Geneva College Alumni; Syntex Corp. Achievement

Professional: Partner in Law Firms 1985 to present, Corporate patent law, Syntex Corp, Hexcel Corp.; Chemical research, SRI International; Dow Chemical Co.

Service: 40-year member of ACS and 20-year member of ACS council

Served on 3 Elected Committees: CONC, N&E, CPC

*Co-founder, Division of Chemistry and The Law, and Councilor
Twice Chair of Santa Clara Valley Local Section*

*Editor, ACS Monograph, "Understanding Chemical Patents,"
2nd Edition, 1991*

*Co-inventor of 7 Patents and More Than 10 Journal
Publications*

*Hundreds of U.S. and Foreign Patents Applications Written
and Issued*

**DON'T DISMISS ME AS A CANDIDATE BECAUSE
I AM NOW AN ATTORNEY AS WELL AS A CHEMIST.**

CHEMPLOYMENT ABSTRACTS – OCTOBER 2002

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

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 paloahto_hr_staffing@roche.com
You may visit our website at <http://paloalto.roche.com>.

CHEMPLOYMENT ABSTRACTS 3695

Position Title: Research Associate, Bioanalytical Mass Spectroscopy

Job Description: This position involves: (1) Operation of mass spect instrumentation for the analysis of biol 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 biol 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, JZ 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

CHEMPLOYMENT ABSTRACTS 3698

Position Title: Laboratory Technician

Job Description: Preparation & analysis of Pheromone-based formulations & microbiological testing.

Qualifications Desired:

Education: BS
Experience: Microbiology and/or Chemistry background. Basic laboratory skills. Experience with GC/HPLC desirable. Demonstrated discipline with record keeping and reasonable communication skills.

LOCATION, SALARY, MAIL ADDRESS

Location: Monterey area (Salinas)
Salary: Competitive salary and benefits
Description of Employer: Leading supplier of pheromone-based products globally, conducts R&D, manufactures and markets a wide range of related products.

Application Instructions: Send resume and salary requirements to:
Richard Todd
Trece, Incorporated
P.O. Box 6278
Salinas, CA
Fax: (831) 759-4837
Email: rtodd@trece.com

CHEMPLOYMENT ABSTRACTS 3699

Position Title: Analytical Chemist

Job Description: Preparation & analysis of pheromone-based formulations & pesticide residue analyses.

QUALIFICATIONS DESIRED

Education: BS or Masters Degree in Chemistry
Experience: Minimum three years analytical laboratory experience. Formulations experience desirable. Exp with GC/MS/HPLC/other. Demonstrated discipline with record keeping & communications skills

LOCATION, SALARY, MAIL ADDRESS

Location: Monterey area (Salinas)
Salary: Competitive salary and benefits
Description of Employer: Leading supplier of pheromone-based products globally, conducts R&D, manufactures and markets a wide range of related products.

Application Instructions: Send resume and salary requirements to:
Richard Todd
Trece, Incorporated
P.O. Box 6278
Salinas, CA 93912
Fax: (831) 759-4837
Email: rtodd@trece.com

CHEMPLOYMENT ABSTRACT 3700

Position Title: Sr. Scientist/Asst. Director, Medicinal Chemistry CH003

Job Description: Responsible for directing the efforts of a med chem team to discover & optimize novel small molecule drugs directed toward cancer & immune-mediated disease targets. Will work in multi-disciplinary setting to establish res goals along with planning & implementing new drug discovery projects.

QUALIFICATIONS DESIRED

Education: Ph.D degree in org chem, 5 yrs of ind exper or 8 yrs of acad exp after post doc
Experience: Small molecule drug discovery exp, proven success record of scientific achievement evidenced by patents, publications, and participation in clinical candidate selection in one or more med chem prog. Must have strong leadership abilities, excellent communication skills, and exp with modern techniques of parallel synthesis & purification.

LOCATION, SALARY, MAIL ADDRESS

Location: Palo Alto, CA
Salary: Open
Description of Employer: Affymax, Inc. is a privately held biopharm company.

Application Instructions: Send your CV to:
Affymax Inc., Attn: HR
4001 Miranda Avenue,
Palo Alto, CA 94304
EMAIL: careers@affymax.com,
FAX: 650-424-0832, www.affymax.com

CHEMPLOYMENT ABSTRACT 3701

Position Title: Scientist, Req. # 2-208

Job Description: You will join our drug metabolism department in supporting ADME studies of preclinical drug candidates. This position will be responsible for developing and conducting LC/MS/MS assays for samples from biological matrices (plasma, tissues and excreta) and from in vitro metabolism studies; identifying metabolites using mass spectrometry; operating and maintaining LCMS systems; and organizing and documenting bioanalytical data & reports.

QUALIFICATIONS DESIRED

Education: MS degree with 2+ years of exp or PhD with less than 2 years of experience.
Experience: Should be skilled in LC/MS/MS analysis of small molecules in biol samples & be experienced in biol sample prep techniques. Must be a team player and be able to think critically with strong attention to details. Must be highly motivated & be capable of working independently.

LOCATION, SALARY, MAIL ADDRESS

Location: Foster City, CA
Description of Employer: Gilead Sciences is a biopharm company that discovers, develops and commercializes therapeutics.

Application Instructions:
Apply online today at www.gilead.com

CHEMPLOYMENT ABSTRACT 3702

Position Title: Sr. Research Scientist, Req. # RF1-329

Job Description: Direct and conduct the method development & characterization efforts for both drug substances and drug products to ensure successful completion of IND, CTX, NDA and MAA submissions.

QUALIFICATIONS DESIRED:

Education: PhD in Chem, Analytical Chem or Pharmaceutical Chemistry
Experience: 4-8 years in the pharmaceutical industry is desired. Will consider candidates with 0-3 years of exp at a non-supervisory level. The ability to characterize solid-state properties of active ingredients is a necessary skill. Development and validation of HPLC, GC and other analytical techniques is desired.

LOCATION, SALARY, MAIL ADDRESS

Location: Foster City, CA
Description of Employer: Gilead Sciences is a biopharmaceutical company that discovers, develops and commercializes therapeutics to advance the care of patients

Application Instructions:
Apply online today at www.gilead.com



Happy Halloween



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Councilor's Report - 224th ACS National Meeting

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CHEMPLOYMENT ABSTRACTS

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Director: **Shirley B. Radding** 408-246-2564 sradding@att.net

FUTURE MEETINGS

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> Mosher Awardee
Jan 18	Chemistry Demonstration <i>Dr. C. Marvin Lang</i> University of Santa Clara

For the latest information, please visit
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