

Silicon Valley Chemist

Santa Clara Valley Section

American Chemical Society

Volume 28 No. 10

November Dinner Meeting

Challenges of Investigating an Active Crop Duster Air Field and Subsequent Activities to Remediate Organochlorine Pesticide Contaminated Soils

James W. Babcock, Ph.D., P.G.



Abstract

Tulare County owns the Harmon Field site formerly used as a base for fixed-wing and rotary-wing aerial applicator for their crop dusting activities in the Southern San Joaquin Valley of California. The California Department of Toxic Substances Control ordered the County to investigate and remediate the pesticide contamination caused by the use of the airfield by the crop dusters. The challenges faced by County staff will be discussed in the presentation along with the history of the

continued on next page

Happy Halloween! Happy Halloween!

National Chemistry Week Celebration Reminder

On Thursday, October 26, 2006 join special guest speaker Bruce King in a celebration of National Chemistry Week to learn "How do we Build Shelter? 10,000 Years of Messing Around With Materials—the Past, Present and Future". Bruce's expertise is a perfect match for our NCW theme this year—"Your Home—It's All Built on Chemistry."



We will convene at the Mitchell Community Center Main Hall in Palo Alto, which is located at 3800 Middlefield Rd., starting at 6:30 pm. We'll enjoy a buffet dinner, featuring salad, hot entrees of chicken marsala and

vegetarian lasagna, with plenty of side dishes to fill you up. Since National Chemistry Week is a special celebration, we have planned a special dessert to mark the occasion—a fabulous chocolate bonanza! Join us to dip your favorite

fruits and sweets into a decadent chocolate fountain! The \$20 dinner includes your meal, water, iced tea, and full coffee service with dessert. Bruce King's talk will begin at approximately 8 pm.

Please make your reservations by Wednesday, October 18, 2006, either

continued on next page

November Dinner Meeting

Date: Thursday, November 16, 2006**Time:** 6:00 Social Hour

7:00 Dinner

8:00 Lecture

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

Speaker: Dr. James Babcock
Environmental Engineer
Malcom Pirnie, Oakland

Cost: \$27.00 with the choice of
Grilled Fillet of Salmon or
Eggplant Parmesan
Includes wine with dinner.

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

Reservations should be made by November 13th, stating your name, address, company affiliation, number of people in party, and menu selection. If you are unable to honor your reservation and do not cancel by Wednesday the 15th, you will be invoiced following the dinner meeting.



Callenges, continued from front page

investigation of the nature and extent of the pesticide contamination.

Because the site had been used since the early 1950s, the types of pesticides represent the full spectrum of pesticides from organochlorine compounds to organophosphates and carbamates. The most widespread contaminants found in the soil were DDT (also known as 1, 1, 1-Trichloro-2, 2-bis (p-chlorophenyl) ethane) and Toxaphene, both organochlorine pesticides.

Besides discussing remediation alternatives and their limitations, there will be a brief discussion of the chemical types of pesticides handled at the site.

Biography

Dr. Babcock is noted for his contributions in the areas of environmental remediation, hydrogeology, regulatory compliance and permitting. He has extensive experience on projects encompassing hazardous waste and groundwater remediation, strategic environmental management consulting, and project management. He has managed, designed, and implemented hazardous waste remedial investigation and feasibility studies, remedial designs, and remedial actions, and provided expert witness and litigation support services on hazardous waste and groundwater remediation.

He is a Senior Associate in the Emeryville, CA office of Malcolm Pirnie, Inc., a national water and wastewater environmental engineering firm. Prior to joining Malcolm Pirnie in 1995, he conducted environmental remediation and investigations for Canonie Environmental Services, Corp. Previous to his work in the San Francisco Bay Area, he was an exploration geologist and Manager of Exploration Research for Rocky Mountain Energy Company, the mining subsidiary of Union Pacific Corporation based in the Denver area.

He received his Ph.D. in geology from the University of California, Santa Barbara, in 1977. Dr. Babcock is a licensed professional geologist in the State of California and a registered geologist in the State of Oregon.

Reminder, continued from front page

online at www.scvacs.org or by contacting Shirley Radding (Phone: 408-246-2564). Reservations should state your name, address, company

affiliation, and the number of people in your party. If you are unable to honor your reservations and do not cancel by Wednesday, October 25, you will be invoiced following the

Halloween

San Francisco Zoo Public Outreach a "Roaring" Success!

On Saturday, September 9, the Santa Clara Valley Section of the ACS held an interactive public outreach booth at the San Francisco Zoo. This event was held in conjunction with the wildly successful Service Project sponsored by the Board of Directors,

win a prize, pick up copies of ACS publications, and were invited to discover the difference between organic dirt and Oreo dirt based on chemical composition—with gummy worms aplenty for those that concluded correctly!



From left to right: Jill Rockwood, Bob DeGroot, and Abby Kennedy.

and co-organized by the SCV and California local sections at the recent SF national meeting. Led by SCV volunteers Natalie McClure and Abby Kennedy, an eager group of ACS members including Lydia Hines, Jill Rockwood and Bob DeGroot interacted with over 100 kids and their families. Kids were able to take a spin on the "Chemistry Wheel of Fortune" to



T-shirt winners.



Wheel of fortune.



Eat dirt.



From left to right: Jill Rockwood, Bob DeGroot, and Lydia Hines.

Chair's Message

I hope you all had an interesting, exciting, and productive summer and are looking forward to the fall. Many of you probably attended the 232nd National ACS meeting in San Francisco from September 10-14th. This message is being prepared just before over 16,000 chemical professionals descend on the City by the Bay to select from the 9,900 papers scheduled to be presented. With the knowledge that this year's National Meeting in San Francisco would coincide with the 100th anniversary of the Great San Francisco Earthquake and Fire, overlaid with Hurricane Katrina striking the Gulf Coast during last year's National Meeting in Washington, DC, several local section members suggested including presentations on natural disasters at the San Francisco meeting. Apparently the idea resonated with enough people, as "Recovery from and Prevention of Natural Disasters" was one of two multidisciplinary theme programs at the SF meeting. Presenters ranging from Gulf Coast business and academic members to analytic and geochemists, public health professionals, and emergency managers and responders, discussed their experiences, lessons learned, and suggestions for the future. As members living and working on the San Andreas and other faults, I hope many of us were able to attend some of these sessions and come away with information we can apply in our families, employers, and communities.

Extrapolating from the 10% of the total ACS membership expected to attend the San Francisco meeting, over 330 members of the Santa Clara Valley Section were probably in attendance. Hopefully, you noticed local attendees and introduced yourselves to your neighbors. Why not continue your conversations at our next local section dinner meeting on October 26th at the Mitchell Community Center in Palo Alto. Mr. Bruce King will be talking to us about the history and future of building materials, including "green building." Not coincidentally, this year's theme of National Chemistry Week is "Your Home – It's All Built on Chemistry".

Speaking of National Chemistry Week, I hope you read the article in last month's Silicon Valley Chemist describing our public outreach event and requesting your assistance on Saturday, October 14th. These events, under the design and direction of Abby Kennedy are very popular with the kids who attend and fun and rewarding for SCVACS members who participate. If you have not yet contacted Abby, you can reach her at akennedy@exelixis.com.

If you did not make it all the way to the back of last month's issue of this newsletter to the candidate statements and ballot for next year's local section officers, please review it and send in your ballot – it's page 8 of the newsletter. I realize voting in non-contested

elections may not be the most exciting and suspenseful endeavor, but the candidates do appreciate your participation and acknowledgement of the time and effort they put in to bring you the information, speakers, programs, and opportunities our local section provides. If you would like to liven up next year's elections, we are always looking for more good candidates. We have open monthly executive committee meetings. Please contact me, or any of the individuals on the last page of this newsletter, regarding your interest in becoming more involved in our local section.

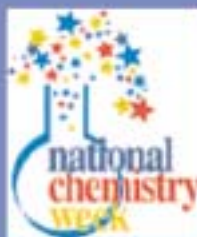
I hope to talk with you at our next monthly dinner meeting, National Chemistry Week event, or Executive Committee meeting.

Dave Parker

You are cordially invited to a celebration of
National Chemistry Week 2006...

"Your Home—It's All Built on Chemistry!"

An interactive experience for
kids of all ages and their families featuring:



Sponsored by:
Santa Clara Valley
Section of the
American
Chemical Society



- Get Slimed!
- Chemistry Wheel of Fortune where everyone wins a prize!
- Hands-on experiments and activities demonstrating the importance of chemistry in your home!
- Pick up your free copy of "Celebrating Chemistry" and "ChemMatters" publications.

Saturday, October 14, 2006
1 pm-4pm

Dr. Martin Luther King Jr. Library
150 E. San Fernando St.
San Jose, CA

Teachers' Workshop at Roche

The 11th teachers' workshop will be held on November 4th at Roche, Palo Alto.

Teachers from surrounding grade and middle schools will participate in some hands-on chemistry appropriate to their class levels. Juanita Ryan and Laura Randall have again enthusiastically agreed to "teach the teachers!" The theme will follow National Chemistry Week's theme, Your Home – It's all Built on Chemistry.

Ferenc Makra, the chair of the event, could use some help during the day. The opportunities and times are varied – come early

(before 8:00 a.m.) and help set up, help with registration (9:00 a.m. on), be a gopher and help with the breakout times (morning or afternoon) or help with the take down (3:00-4:00 p.m.). The teachers are given 'goody bags' of materials to take back to their classrooms and

these need to be assembled throughout the day.

It is not difficult work, but many hands make light work and it is fun! So contact Ferenc (650-855-5368 or Ferenc.makra@roche.com) and get involved for a couple of hours or the entire day. It is also a good time to meet some of your local section officers.

National Chemistry Week Public Outreach Opportunity!

When: Saturday, October 14, 1-4pm **Who's Invited:** EVERYONE!

Where: MLK Jr. Public Library, 150 E. San Fernando St. San José

National Chemistry Week, October 22-28, is a community-based program of the American Chemical Society. This year's theme is "Your Home—It's All Built on Chemistry". It's a chance for us to consider the fascinating and ever-changing chemistry of building materials. The Santa Clara Valley Section of the ACS will be providing chemistry fun on Saturday, October 14, 2006 at the Dr. Martin Luther King Jr. public library in downtown San Jose, from 1-4pm. Come take a spin on the Chemistry

Wheel of Fortune, where everyone wins a prize! It's your chance to pick up free ACS publications "Chemistry Matters" and "Celebrating Chemistry". In addition, for kids of all ages there will be hands-on activities that showcase the chemistry of building materials. Come test the tensile strength of spaghetti, or build biodegradable art from Magic Noodles, among other fun activities! For more information or to volunteer, please contact NCW Coordinator Abigail Kennedy at akennedy@exelixis.com.



CHEMPLOYMENT ABSTRACTS OCTOBER 2006

CHEMPLOYMENT ABSTRACT 3862

Position Title: Physical/ Analytical Chemist, Ph.D.

Job Description: Small start-up company founded by UC Berkeley professor seeks creative, experienced physical or analytical chemist to help develop novel chemical sensor devices as part of a highly interactive, interdisciplinary technical team. Responsibilities include the development and operation of GCMS-based high-throughput assay, experimental design, data analysis, design of experimental apparatus, general lab operations.

QUALIFICATIONS DESIRED:

Education: Ph.D. in physical or analytical chemistry
Experience: Four+ years experience in industry required. A solid understanding of the thermodynamics and kinetics of molecular recognition and gas-phase surface binding, including Langmuir isotherm theory, is essential. Individuals with a mechanical aptitude and who are engineering-oriented are especially well-suited for this position. An understanding of sensor design is a plus.

LOCATION, SALARY, MAIL ADDRESS:

Job Location: South San Jose, CA until Sept. 1, Emeryville, CA beginning Sept. 1.

Salary: Commensurate with experience.

Employer Description: Small start-up company developing novel chemical sensing technology. Founded by UC Berkeley professor.

Application Instructions: Please submit cover letter and resume to: daniel.suich@kalinex.com

CHEMPLOYMENT ABSTRACT 3863

Position Title: Organic Chemist

Job Description: Perform routine and non routine analyses by GC/MS. Operate, maintain and trouble shoot GC/MS. Evaluate, interpret and verify data. Assist in procedural improvement, development of new procedures, and communication to help solve client problems. Assist in inventory and procurement of consumables. Train other staff members as certified.

QUALIFICATIONS DESIRED:

Education: M.S. Chemistry or equivalent + 5 years or Ph.D. Chemistry + 0-2 years experience.
Experience: Sample analysis using GC/MS, including sample preparation, chromatography, data reduction, and report writing. Microsoft applications including Excel and Word. Experience in a commercial testing laboratory is preferred.

LOCATION, SALARY, MAIL ADDRESS:

Job Location: Fremont, CA

Salary: Depends on experience

Employer Description: Air Liquide – Balazs Analytical Services is one of the world's leading labs performing trace analytical services to the electronics industry. Balazs conducts contamination studies, failure analyses and specialized testing for all of the leading electronic firms. EEOC Compliant.

Application Instructions: Submit application to JobApplicantSubmission@airliquide.com. Please reference job #7611.

CHEMPLOYMENT ABSTRACT 3864

Position Title: Production Chemist/Engineer

Job Description: Establish and operate new chemical production facility. Utilize atmospheric and low pressure methods for semiconductor grade purification processes. Will require hands on development and implementation of processes.

QUALIFICATIONS DESIRED:

Education: B.S. ChE + 4 years or B.S. Chemistry + 4 years experience or equivalent
Experience: Chemical plant operation as a process/production engineer. Experience with organic and organometallic chemicals preferred. Experience in semiconductor high purity liquids preferred. Sound knowledge of fluid dynamics, heat flux and exchanger requirements for 20-100 liter batch distillation systems a plus.

LOCATION, SALARY, MAIL ADDRESS:

Job Location: Fremont, CA

Salary: Depends on experience

Employer Description: Air Liquide is the world leader in industrial and medical gases and related services. Our innovative solutions improve our customers' industrial performance. EEOC Compliant.

Application Instructions: Submit resume to JobApplicantSubmission@airliquide.com. Please reference job #7504.

CHEMPLOYMENT ABSTRACT 3865

Position Title: Research Scientist – Electrochemist

Job Description: The position involves electrochemical and spectro-electrochemical measurements of electroactive compounds as well as design and development of processes used in manufacturing of electrochemical cells and energy storage devices.

QUALIFICATIONS DESIRED:

Education: MS or PhD in Electrochemistry, Chem Eng, or Materials Science
Experience: 3-5 years of experience in electrochemical measurements such as electrocatalysis and surface characterization. Extensive experience in redox chemistry, electron transfer processes, and structure-reactivity correlations. Knowledge in analytical instrumentation including absorption spectroscopy. Solid skills in experimental design and data analysis.

LOCATION, SALARY, MAIL ADDRESS:

Job Location: East Bay, CA

Salary: 70-100K plus attractive stock options

Employer Description: Deeya Energy is a Silicon Valley technology venture company developing novel energy storage devices for Load-shifting, UPS (Uninterruptible Power Supply) and Renewable Energy industries.

Application Instructions: E-mail or fax your resume with job Code [RS: Electrochemist] to: info@deeyaenergy.com Fax: 510-991-9848

CHEMPLOYMENT ABSTRACTS OCTOBER 2006

CHEMPLOYMENT ABSTRACT 3866

Position Title: Research Scientist - Inorganic Chemist
Job Description: The position involves preparation, isolation and characterization of transition-metal/coordination compounds as well as design and development of processes used in the manufacturing of electrochemical cells and energy storage devices.

QUALIFICATIONS DESIRED:

Education: MS or PhD in Inorganic/Analytical Chemistry

Experience: 3-5 years of hands-on experience in inorganic/analytical chemistry including electroanalytical techniques, absorption spectroscopy, infrared spectroscopy, modern chromatographic techniques. Expertise in design, preparation, isolation and characterization of transition metal complexes and coordination compounds. Solid skills in experimental design and data analysis.

LOCATION, SALARY, MAIL ADDRESS:

Job Location: East Bay, CA

Salary: 70-100K plus attractive stock options

Employer Description: Deeya Energy is a Silicon Valley technology venture company developing novel energy storage devices for Load-shifting, UPS (Uninterruptible Power Supply) and Renewable Energy industries.

Application Instructions: E-mail or fax your resume with job code [RS: Inorganic Chemist] to: info@deeyaenergy.com

Fax : 510-991-9848

CHEMPLOYMENT ABSTRACT 3867

Position Title: Research Assistant/Associate - Organic Chemistry

Job Description: Responsibilities include organic chemical synthesis and purification; carrying out enzyme evaluation and process optimization of biocatalytic transformations; record and analyze data; participate in multidisciplinary project teams.

QUALIFICATIONS DESIRED:

Education: BS/MS Organic Chemistry w/ 2+ yrs of hands-on lab exp. in organic synthesis

Experience: A working understanding of Biocatalysis or chemical process development in a pharmaceutical setting is desirable but not required; critical thinking and attention to detail, ability to multitask, excellent communication skills; good planning, organizational and time management skills.

LOCATION, SALARY, MAIL ADDRESS:

Job Location: Redwood City, CA

Salary: DOE

Employer Description: Codexis is the world leader in the development of innovative bio-based solutions for pharmaceutical chemical process development and manufacturing. For more information, visit us at www.codexis.com.

Application Instructions: Email to jobs@codexis.com

CHEMPLOYMENT ABSTRACT 3868

Position Title: Research Assistant/Associate - Analytical Biochemistry

Job Description: Assist with transforming process chemistry criteria into robust, relevant multi-tiered medium throughput assay protocols; Acquire and maintain familiarity with lab automation equipment; Carry out and constantly validate and adjust developed assay protocols in multidisciplinary team environment; Assist with population analysis and data handling in LIMS

QUALIFICATION DESIRED:

Education: BS Biochemistry & min. 6 mos hands-on lab experience with method dev. & enzyme assays (desirable)

Experience: Critical thinking and attention to detail; Ability to multitask and produce quality results under tight timelines; Good data handling and documentation skills; Excellent communication, time management and organizational skills; persistence and creativity; working understanding of Molecular Biology helpful.

LOCATION, SALARY, MAIL ADDRESS:

Job Location: Redwood City, CA

Salary: DOE

Employer Description: Codexis is the world leader in the development of innovative bio-based solutions for pharmaceutical chemical process development and manufacturing. For more information, visit us at www.codexis.com.

Application Instructions: Email Resume to jobs@codexis.com

CHEMPLOYMENT ABSTRACT 3869

Position Title: Staff Scientist - Analytical Biochemistry

Job Description: Seeking Scientist with extensive background in analytical biochemistry. Be part of interdisciplinary teams and provide technical leadership to develop and implement robust assays in medium-to-high throughput formats to identify improved biocatalysts.

QUALIFICATIONS DESIRED:

Education: Ph.D in Analytical Chemistry or Biochemistry

Experience: Expert in enzyme based assays and chromatographic techniques; working knowledge of molecular/micro biology techniques and various analytical & spectroscopic techniques (HPLC, DC, MS, NMR, CE); experience in pharma/biotech industry a plus; Excellent communication, writing, organizational and time management abilities.

LOCATION, SALARY, MAIL ADDRESS:

Job Location: Redwood City, CA

Salary: DOE

Employer Description: Codexis is the world leader in the development of innovative bio-based solutions for pharmaceutical chemical process development and manufacturing. For more information, visit us at www.codexis.com.

Application Instructions: Email Resumes to jobs@codexis.com

CHEMPLOYMENT ABSTRACT 3870

Position Title: Scientist - Organic Chemistry

Job Description: Codexis is seeking an organic chemist to develop scalable chemical processes based on our biocatalysts. Experience in synthetic organic chemistry and specifically in pharmaceutical process chemistry and scale up is required. Experience in the use of enzymes in the chemical synthesis would be an asset.

QUALIFICATIONS DESIRED:

Education: MS or PhD in Organic Chemistry
Experience: PhD with 2+ years experience or a MS with 5+ years of industrial experience in pharmaceutical or fine chemical process development is required; critical thinking and attention to detail; ability to multitask and produce quality results under tight timelines; Good communications skills; ability to work independently and creatively.

LOCATION, SALARY, MAIL ADDRESS:

Job Location: Redwood City, CA

Salary: DOE

Employer Description: Codexis is the world leader in the development of innovative bio-based solutions for pharmaceutical chemical process development and manufacturing. For more information, visit us at www.codexis.com.

Application Instructions: Email resumes to jobs@codexis.com

CHEMPLOYMENT ABSTRACT 3871

Position Title: Research Associate/Scientist - Analytical Chemistry

Job Description: RA's/Staff Scientist to work with the analytical team developing and applying methods for the high throughput analysis of a variety of molecules by GC, HPLC, CE and Mass Spec in a state-of-the-art facility. Strong background in instrumentation, data analysis (with LIMS), familiarity with analytical instrumentation. Management exp. desired for Scientist candidates.

QUALIFICATIONS DESIRED:

Education: MS/PhD in Analytical Chemistry
Experience: RA candidates - BA/MS w/3+ yrs industrial exp./Scientist candidates - MS w/10 yrs industrial exp or PhD w/5 yrs industrial exp. All require exp in quantitation using GC, HPLC or Mass Spec; exp with instrument & data automation, high throughput screening and working understanding of molecular biology helpful; mechanical aptitude; ability to troubleshoot and maintain analytical equipment; attention to detail; good communication skills.

LOCATION, SALARY, MAIL ADDRESS:

Job Location: Redwood City, CA

Salary: DOE

Employer Description: Codex is the world leader in the development of innovative bio-based solutions for pharmaceutical chemical process development and manufacturing. For more information, visit us at www.codexis.com.

Application Instructions: Email resumes to jobs@codexis.com

CHEMPLOYMENT ABSTRACT 3872

Position Title: Software Test Engineer

Job Description: Successful candidate will perform software tests on state-of-the-art mass spec instrumentation. They will participate in product development of data systems software to control Thermo mass spec instruments; Lead testing; Design, execute, and maintain manual and automated test procedures; Develop test cases, organize and maintain defect-tracking & test case databases. Calibrate, troubleshoot and maintain instruments.

QUALIFICATIONS DESIRED:

Education: BS/MS in Computer Science or equivalent.
Experience: 4+ years of testing software for commercial applications, preferably for instrument control software products. Leader w/excellent communication skills. Background in biochem, biology or chemistry is highly desired. White box testing experience with C++ .net applications is a big plus.

LOCATION, SALARY, MAIL ADDRESS:

Job Location: San Jose, Ca.

Salary: DOE

Employer Description: Thermo Electron Corporation is the world leader in analytical instruments, enabling customers to make the world a healthier, cleaner and safer place. Thermo provides analytical instruments, scientific equipment, services and software solutions for life science, drug discovery, clinical, environmental and industrial laboratories.

Application Instructions: Please apply on-line: www.thermo.com

CHEMPLOYMENT ABSTRACT 3873

Position Title: Software Test Validation Engineer

Job Description: Successful candidate will perform software validation of leading mass spec software; Develop & execute software and hardware validation plans for MS/LS products; Validate automation and data analysis support; Perform system integration and validation tests; Participate in requirements, design, and code reviews, testing, defect reporting and resolution. Create & execute validation test plans.

QUALIFICATIONS DESIRED:

Education: BS/MS in Computer Science/Chemistry/Bioinformatics or equivalent.

Experience: Minimum of 2+ years of experience on system test and validation. Expert on LC/MS hardware; Calibrating, troubleshooting and maintenance of instruments. Proficient in scripting automated test tools. Familiar with Quality System Regulation and FDA Expectations for software and hardware validation is a plus.

LOCATION, SALARY, MAIL ADDRESS:

Job Location: San Jose, Ca.

Salary: DOE

Employer Description: Thermo Electron Corporation is the world leader in analytical instruments, enabling customers to make the world a healthier, cleaner and safer place. Thermo provides analytical instruments, scientific equipment, services and software solutions for life science, drug discovery, clinical, environmental and industrial laboratories.

Application Instructions: Please apply on-line: www.thermo.com

CHEMPLOYMENT ABSTRACT 3874

Position Title: Research Associate I/II/III - Chemical Development

Job Description: As part of a Process Chemistry team, you will participate in the development & scale-up (large glassware & Pilot Plant) of chemical processes to produce Active Pharmaceutical Ingredients that are used in drug development. Effective communication of results in both oral & written form is essential, as is the maintenance of a safe laboratory working environment & compliance with environmental health & safety, & GMP requirements.

QUALIFICATIONS DESIRED:

Education: You must have a BS/MS or equivalent in Organic Chemistry with 0-4 years relevant experience. Specialized coursework in organic synthesis, structural characterization & spectroscopy is required.

Experience: Relevant research experience in an undergraduate or graduate setting is essential. Knowledge of literature database searching is preferred.

LOCATION, SALARY, MAIL ADDRESS:

Employer Description: To learn more about Roche's campus in Palo Alto, please visit <http://paloalto.roche.com/>

Applications Instructions: To apply for this position, please visit our career website at <http://paloalto.roche.com/careers/Careers.html> and search by keyword Chemistry, Job Requisition 100340.

CHEMPLOYMENT ABSTRACT 3875

Position Title: Production Chemist-Kilo Scale

Job Description: Carry out organic synthesis as written in batch records, using cGMP practices & SOP's and conduct research to develop new synthetic processes under the direction of a Senior Scientist. Operate scientific, kilo lab, and pilot plant equipment within cGMP guidelines. Analyze data and prepare related reports. Write, prepare, and execute cGMP documentation for equipment

QUALIFICATIONS DESIRED:

Education: BS/MS in organic chemistry + 0 - 3 years applicable experience

Experience: Knowledge of synthetic organic chemistry and familiarity with various modern synthetic methods including chromatography and spectral methods (NMR, HPLC, LCMS) Must have strong computer, written and verbal communication skills, and be able to work well in a team environment

LOCATION, SALARY, MAIL ADDRESS:

Job Location: Foster City, CA

Salary: DOE

Employer Description: Gilead Sciences is a biopharmaceutical company that discovers, develops and commercializes innovative therapeutics in areas of unmet medical need. Our mission is to advance the care of patients suffering from life-threatening diseases worldwide.

Application Instructions: Reference Req# RF 6-870 and apply online today at <http://www.gilead.com/wt/sec/careers>

CHEMPLOYMENT ABSTRACT 3876

Position Title: Research Associate - Process Research

Job Description: Perform experiments that support research activities for process scale up and development from gram to multi-kilo processes. Operate scientific, kilo lab, and pilot plant equipment within cGMP guidelines. Analyze data and prepare related reports. Write, prepare, and execute cGMP documentation for equipment

QUALIFICATIONS DESIRED:

Education: BS/MS in organic chemistry + 0 - 3 years applicable experience

Experience: Knowledge of synthetic organic chemistry and familiarity with various modern synthetic methods including chromatography and spectral methods (NMR, HPLC, LCMS) Must have strong computer, written and verbal communication skills, and be able to work well in a team environment

LOCATION, SALARY, MAIL ADDRESS:

Job Location: Foster City, CA

Salary: DOE

Employer Description: Gilead Sciences is a biopharmaceutical company that discovers, develops and commercializes innovative therapeutics in areas of unmet medical need. Our mission is to advance the care of patients suffering from life-threatening diseases worldwide.

Application Instructions: Reference Req# RF 6-870 and apply online today at <http://www.gilead.com/wt/sec/careers>

CHEMPLOYMENT ABSTRACT 3877

Position Title: Senior Research Associate, Process Research

Job Description: Conduct organic synthesis, route scouting, reaction screening, and scale-up activities toward important development compounds. Participate in project teams and regularly communicate ideas and results. Optimize chemical reactions, isolations, separations, purifications, and crystallizations. Use techniques such as HPLC, TLC and NMR to monitor reactions and assess purity

QUALIFICATIONS DESIRED:

Education: A BS/MS degree

Experience: Experience in multi-step organic synthesis and/or synthesis methodology and running/monitoring organic reactions and purifying the reaction products in a practical laboratory; Familiarity with modern spectroscopic methods applied to structure determination, including 1H and 13C NMR, infra-red spectroscopy, and mass spectroscopy

LOCATION, SALARY, MAIL ADDRESS:

Job Location: Foster City, CA

Salary: DOE

Employer Description: Gilead Sciences is a biopharmaceutical company that discovers, develops and commercializes innovative therapeutics in areas of unmet medical need. Our mission is to advance the care of patients suffering from life-threatening diseases worldwide.

Application Instructions: Reference Req# RF 6-561 and apply online today at <http://www.gilead.com/wt/sec/careers>



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

OCTOBER 2006 NEWSLETTER TOPICS:

Challenges of Investigating an Active Crop Duster
Air Field
National Chemistry Week Celebration Reminder
November Dinner Meeting
SF Zoo Public Outreach a "Roaring" Success!
Chair's Message
Teachers' Workshop at Roche
NCW Public Outreach Opportunity!

CHEMPLOYMENT ABSTRACTS



<http://www.scvacs.org>

To receive emails when newsletters are
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SCVACS-newsletters-subscribe@yahoogroups.com.



SANTA CLARA VALLEY SECTION

2006 Section Officers

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Chair Elect	George Lechner	408-226-7262	glechner@aol.com
Secretary	Karl Marhenke	831-688-4959	karlmar@armory.com
Treasurer	Herb Silber	408-924-4954	hbsilber@sjsuvm1.sjsu.edu
Past Chair	Jack Riley	925-256-4050	jfriley2004@sbcglobal.net

Councilors

2004-2006	Linda Brunauer	408-554-6947	lbrunauer@scu.edu
2004-2006	Sally Peters	650-812-4994	Sally.Peters@parc.com
2004-2006	Peter Rusch	650-961-8120	pfrusch@aol.com
2005-2007	Herb Silber	408-924-4954	hbsilber@sjsuvm1.sjsu.edu
2006-2008	Abby Kennedy	650-837-8043	akennedy@exelixis.com
2006-2008	Jack Riley	925-256-4050	jfriley2004@sbcglobal.net
2006-2008	Ean Warren	650-329-4554	ewarren@scvacs.org
2006-2008	George Lechner	408-226-7262	glechner@aol.com

Alternate Councilors

2004-2006	Ernest Gargas	408-365-2866	eggargas@yahoo.com
2004-2006	Carol Mosher	650-332-3120	carolmosher@sbcglobal.net
2005-2007	Mark Kent	408-736-0989	markkent@yahoo.com
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2006-2008	Bruce Raby	408-294-6718	brida954@comcast.net
2006-2008	Ferenc Makra	415-730-0387	ferenc.makra@roche.com
2006-2008	Natalie McClure	650-851-1052	nmclure@drugregulatoryaffairs.com

Newsletter

Editor: **To be announced**

ChemPloyment Abstracts

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FUTURE MEETINGS

Oct 18	BioScience Forum
Oct 22-28	National Chemistry Week Theme: Your Home - It's all Built on Chemistry
Oct 26	SCV Dinner Meeting Bruce King Palo Alto, CA
Nov 12-16	06AIChE Annual Meeting San Francisco, CA
Nov 16	SCV Dinner Meeting Dr. James Babcock Santa Clara, CA
2007	
Jan 18	Mosher Award Biltmore Hotel Santa Clara, CA

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