

Silicon Valley Chemist

Santa Clara Valley Section

American Chemical Society

Volume 24 No. 1

The Role of the USGS in Discovering the 3rd Largest Oil Field in the World

Or...The KGB is good for you if you need good body guards:

Field Expeditions Along the Great Silk Road of Kazakhstan and Kyrgyzstan During and After Communism

Abstract

Conducting field expeditions along the Great Silk Road of Kazakhstan and Kyrgyzstan, where the fierce red-headed Mongol conqueror Ghengis

Khan (1162-1227) once roamed, is a geologically and culturally unique experience. But for decades this region – and virtually all of the rest of the immense territory of the former Soviet Union – was closed to geologists from outside the Soviet bloc. The current USGS-Kazakhstan-Kyrgyzstan-Oil

February Dinner Meeting

Date: February 21, 2002

Time: 6:00 pm Social Hour

7:00 pm Dinner

8:00 pm Presentation

Location: Biltmore Hotel & Suites
2151 Laurelwood Road
Santa Clara, CA
(408) 988-8411

Speaker: Dr. Harry Cook
U.S. Geological Survey

Cost: \$25 with choice of
Chicken Asiago or
Soft Polenta with Grilled
Vegetables

Reservations: Shirley Radding
(408) 246-2564
(408) 296-8625 FAX

Reservations should be made by February 18th; stating your name, company affiliation, number of people in the party and the meal preference. Or, register using our web site:

www.scvacs.org



Dr. Cook (on right) and Colleague, Dr. Zhemchuzhnikov, with their field gear in the Kazakhstani Tian Shan Mountains.

Industry project is a consortium comprised of major U.S. and European oil companies (Eni/Agip, BG, BP, ExxonMobil, Inpex, Phillips, Royal Dutch Shell, Statoil, and TotalFinaElf) and several former Soviet Union research institutes in Russia, Kazakhstan and Kyrgyzstan. This project has focused on developing predictive exploration and reservoir models based on mountain-climbing studies in the Tian Shan Mountains of

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– Reminder –

Our annual Harry and Carol Mosher award presentation will be held this month on January 17th. It features an address on chiral synthesis from the award recipient Professor James Morrison. It is serendipitous that our recipient's address is on the same topic as the 2001 Nobel Prize in Chemistry (can we pick them or what!). Be sure to reserve your place if you have not done that already. We have a new venue this year – Scott's Seafood Bar and Grill in Palo Alto. For more information, go to our section web site: www.scvacs.org by January 13th.

Chair's Message

Hello, my name is Jonathan Touster, I am a Lecturer in the Chemistry Department at Stanford University and the new Chair of the Santa Clara Valley Section. This year, as usual, the executive committee has been hard at work planning a variety of events and activities.



The dinner meetings this year cut across many disciplines. This month, Dr. James D. Morrison, our Mosher Award winner, will speak on asymmetric organic reactions. February brings Dr. Harry Cook of the U.S. Geological Survey. Dr. Cook will address some of his adventures as a geologist in Russia and central Asia.

continued on next page

Chair's Message, continued from front page

In March, Dr. David Rakestraw from Eksigent Technologies, formerly of Sandia National Laboratories, will give an overview of microchip sensor technology. The student affiliates of Santa Clara University will host our April meeting. They'll have talks on undergraduate research and student affiliate activities. Our very own wine connoisseur, Floyd Hobbs, is working on a wine tasting event for May and as usual our Awards Picnic will happen in June.

Again, we encourage your attendance at the dinner meetings. The lively conversations will insure a good time, and you may make a contact or two to boot. However, if you can't make the dinner, you are still more

than welcome to attend the talk for free. As always, our events are open to friends, family, guests, and interested members of the general public.

For the most current information about what's happening in the local section, check out our recently renovated web page: www.scvacs.org. Ean Warren did a fabulous job making it easier to navigate, and, as always, Karl Marhenke keeps its content up-to-date with our latest activities and announcements. We are lucky to have a great Web Committee.

Elsewhere in this issue you will find the newly drafted mission statement of the Strategic Planning committee. It will help guide our new committee while it considers new

directions for us to explore as a section.

The latest count, announced at our December executive committee meeting, is that we have 3641 section members. The last few digits of this number fluctuate throughout the year as members move in and out of the section. So, among our longtime members, we always have new faces. Regardless of how long you have been a member of the section, I urge you to participate in our programs and to give us input on what you would like from the section. I can be reached at (650) 723-4340. I wish you all a happy New Year, and look forward to meeting you at our events.

Jonathan Touster

USGS, continued from front page

Kazakhstan, Kyrgyzstan and Uzbekistan. Our predictive models were used in the recent 2000 discovery of the Kashagan Oil Field, the supergiant 50 billion-barrel oil field in the North Caspian Basin of Kazakhstan. Kashagan is the 3rd largest oil field ever discovered in the world out of about 75,000 oil fields. Kashagan's 50 billion barrels of oil represents about 60% of all the remaining oil in the US. Building on this success, Harry Cook and his colleagues from research institutes in Russia and Kyrgyzstan, as well as the US and European oil industry are developing a new 4-year project. This new multi-million dollar Cooperative Research and Development Agreement (CRADA) will undertake new field research expeditions in the high Tian Shan Mountains of Kyrgyzstan.

Because Islamic terrorists and kidnapers frequent this Central Asia region, where opium poppies and marijuana are grown, former KGB personnel, weapons, emergency evacuation procedures, and medical doctors are part of the field expeditions.

Biography:

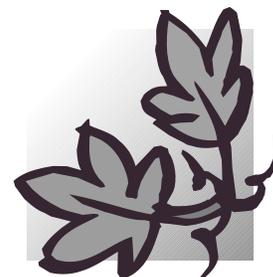
Dr. Cook received his BA degree in Geology from the University of

California at Santa Barbara and his Ph.D. degree in Geology from the University of California at Berkeley. From 1965 through 1970, he was a Research Geologist with Marathon Oil Company's Denver Research Center in Littleton, Colorado. Here he conducted petroleum exploration research in the United States, Canada, Mexico, and numerous countries in Western Europe. In 1970, he left industrial research and became a Professor of Geology at the University of California at Riverside and the Institute of Geophysics and Planetary Physics. During the Arab oil embargo in 1975, he joined the U.S. Geological Survey in Menlo Park as part of the U.S. Geological Survey's World Energy Resources Program.

Since 1985, six years before the breakup of the former Soviet Union, Dr. Cook has been conducting bi-annual field expeditions in the mountains of Siberia, Kazakhstan, Kyrgyzstan, and Russia. In 1994, he developed a multimillion-dollar international collaborative project with eight U.S. and European oil companies and several Russian and Kazakhstan research institutes. This research focused on conducting field studies in the Tian Shan Mountains of

Kazakhstan where ancient 350 million old carbonate reefs are beautifully exposed. The petroleum exploration models developed during this project have assisted in the recent discovery of the new supergiant Kashagan oil field in the Caspian Basin of western Kazakhstan. Kashagan oil field contains up to 50 billion barrels of oil, making it the 3rd largest oil field ever discovered in the world.

Dr. Cook recently developed a new 4-year project with the U.S. and European oil industry and Russian and Kyrgyzstan research institutes. This new project will focus on ancient carbonate reefs in the Tian Shan Mountains of Kyrgyzstan and Uzbekistan near Afghanistan, and China, in an effort to better understand the potential distribution of oil and gas resources of Central Asia.



Chemistry Babble

—A Letter from Dr. Joseph F. Bunnett—

A new, liquid fenced-in enclosure, in alcohol answer to a problem, had remarkably high tendency to erupt into violent action.

Doesn't make much sense, does it? It's how a lay person understands a chemist's statement, "a new, liquid compound in alcohol solution had remarkably high volatility". Our lay friend's understanding is impaired because several of the simple terms used by chemists, every day in the lab or seminar room, are well-known to our fellow citizens with entirely different meanings.

In colloquial English, a compound is usually understood to be either a large fenced or walled-in area or a goo of practical utility, like a pipe joint compound. A solution is the answer to a problem, and volatility represents tendency to erupt into violent action. These words are so well known that folks don't bother to look them up. They just conclude that chemists are strange people.

Prominent other common chemical terms with double meaning are 'base', 'mole', 'aromatic', 'organic' and 'determine'. The confusion we engender when we try to explain

things in simple terms blocks understanding, and contributes to chemophobia.

We need to revise some of our familiar terminology, using the new terms regularly, to improve public understanding of what chemists say. We English-speaking chemists should agree that better terms are needed, and cooperate in a project to define better ones.

Dr. Joseph F. Bunnett
bunnett@chemistry.ucsc.edu



<http://www.scvacs.org>

Strategic Planning Committee Update

The Executive Committee of the local section has created a new committee: Strategic Planning. This committee will develop the long-range plan for the local section.

The first order of business was to develop a mission statement. The Committee presented their mission statement, a version modified from the national American Chemical Society's mission statement, to the Executive Committee and the following was adopted:

To encourage in the broadest and most liberal manner the advancement

of the chemical enterprise and its practitioners.

Toward that end, the Santa Clara Valley Section of the American Chemical Society advances scholarly knowledge; provides professional services and support; communicates with varied audiences; and is actively involved in the science, education, and public policy arenas relevant to the Santa Clara Valley local section.

If you are interested to be a deciding factor in the plan, please contact: Ean Warren
ewarren@scvacs.org

New Publications at www.chemistry.org/careers

Curious about the non-technical skills that many employers increasingly are asking for in today's chemical workplace? Need some tips about writing a curriculum vitae?

You can download new publications on each of these subjects as well as gain access to an entire library of career-development publications and other resources at ACS' Department of Career Services website: www.chemistry.org/careers.

Interested in sizing up an employment situation you may be considering? While at the above website, you may wish to use the Salary Comparator which allows members to evaluate their salaries with other members in their employment situation.

This new tool also allows members to examine any employment situation within the scope of the ACS surveys, including new graduates' starting salaries. The comparator is available only to ACS members. For further information, email: careers@acs.org or (voice) 1-800-227-5558.

The Silicon Valley Chemist is the ACS Santa Clara Valley local section newsletter which is published monthly. The submission deadline for each issue is the **10th** of the month preceding publication. Contact Laura Rasay at 650-859-4782 or editor@scvacs.org for more information.



The American Chemical Society Directory of Graduate Research Just Released

– 2001 Edition –

The Directory provides a wealth of information on faculty and their research at programs in chemistry, chemical engineering, biochemistry, medicinal/pharmaceutical chemistry, clinical chemistry, polymer chemistry, food science, forensic science, marine science, toxicology, materials science, and environmental science in the U.S. and Canada. It lists faculty member biographical information, area of specialization, titles of all papers published within the last two years, individual telephone numbers, and FAX numbers. It also contains listings for 696 academic programs, 10,618 faculty members, and 112,236 publica-

tion citations. Published in odd-numbered years by the ACS Committee on Professional Training, the 2001 edition of the *Directory* contains current faculty information for the 2001-2002 academic year. If you would like more information on how to order a copy of the *Directory*, call the ACS Office of Society Services at (800) 227-5558.

Also available is *DGRweb 2001!* *DGRweb* is an easy-to-use, searchable database that contains all the information found in the *ACS Directory of Graduate Research (DGR)*. *DGRweb 2001* is a great resource to quickly find who is doing what type of

research in chemistry and chemically related disciplines. For more information or to order this product, please go to the DGRweb 2001 homepage at <http://pubs.acs.org/dgrweb/>. A subscription to the 2001 edition of *DGRweb* includes access to the complete 1997 and 1999 databases.



Past Chair's Message

Welcome to 2002 and goodbye to 2001!

This was an eventful year for me as Chair of the Santa Clara Valley Section of the ACS. The last message from the outgoing chair usually highlights the section's accomplishments (there were many) and mentions the dinner meetings, but this message is dedicated to the volunteers of the section.

The experience of serving as chair reaffirmed my positive thoughts about human nature – people are innately helpful and like to say 'yes!'. Old friends responded willingly to gentle arm-twisting; senior scientists and public figures responded positively and rearranged their busy calendars to speak at our dinner meetings; and members, new and old, volunteered and helped out wherever they could. In case you do not know it, your executive committee is comprised of a group of dedicated and hardworking chemists. Without them, this volunteer organization would not function as

smoothly as it does.

I am especially appreciative of our secretary, Karl Marhenke. He has kept excellent minutes of our somewhat disorganized meetings, as well as, manning the registration desk at dinner, assembling materials for the annual report (he even contacted me from Japan about it), reminding me gently of many missed items, and driving from Santa Cruz at least twice a month for section business. He has been doing all of this for more than 10 years! Ean Warren, the immediate past chair will be a difficult act to follow! Many of the duties he assumed were the result of having seen a need as the chair and then filling it. He proofed the newsletter, chaired the web committee, helped organize the Younger Chemist Committee, and chaired the National Chemistry Week activities. Shirley Radding with her 50+ years of ACS experience was invaluable. She handles the single most important part of the organization – Chememployment, she serves as hospitality chair,

greet each of our new members by letter (often as many as 50 a month), serves as our memory and conscience, and hosts most of the monthly business meetings at her house! All of the councilors and committee chairs have specific duties for the section – their faithful work makes the chair's job much lighter. The newest member of our group is Laura Rasay, the editor of the monthly 'Silicon Valley Chemist.' She is a fast learner and has fit into our group seamlessly! Thank you, Laura.

The committee chair of which I am most thankful is the chair of the minority affairs committee, Howard Peters, my husband! Without his support, patience, ideas, and positive outlook I would not have survived! Thank you, Howard!

So, Executive Committee of the Santa Clara Valley section of the ACS, thank you for all of your support and help in 2000 and 2001 and for making this section so successful!

Sally Peters

WCC Celebrates Its 75th Anniversary in 2002

"Diversity in the 21st Century-Advancing Women in Science" is the theme of the WCC Diamond Jubilee planned for the 2002 ACS national and regional meetings in honor of the committee's 75th anniversary.

The celebration will be highlighted in a Presidential Plenary event and multiple symposia at the ACS Spring National Meeting in Orlando. The plenary event will feature high-profile speakers such as Marye Ann Fox, Chancellor, North Carolina State University; Stephen A. Di Biase, Vice President of PuriNOx™ and Emulsified Products, Lubrizol Corp.; and, Fran Keeth, CEO and President, Shell Chemical. Other symposia planned are: Women in Inorganic Chemistry; Collaborations: Networking; Collaborations: Professional Organizations; Early Careers of Chemists; Eli Lilly/WCC Travel Awards: Past and Present; Women Scientists of the Manhattan Project Era; In Memoriam: Nina Roscher – Teacher, Historian, Mentor & Role Model; Chemically Incorrect: Hitting the Glass Ceiling; and Mentoring: A Strategic Tool for Professional Development.

The Women in Industry Breakfast will consist of roundtable discussions on the topic of "Rules of the Game", followed by speakers who will address this subject at the Industry Pavilion. The Women Chemists Luncheon will feature Marion Thurnauer, Director of Chemistry,

Argonne National Lab, and recipient of the 2002 Garvan-Olin Medal, as their keynote speaker.

To bring the 75th anniversary celebration to the regional level, and in keeping with the Presidential theme of diversity, the WCC has created a regional award to recognize individuals who significantly foster diversity in the chemical enterprises. The award will be given without regard to age, gender, or nationality of the recipient at each ACS regional meeting in 2002.

Please join in with the celebration of the WCC's 75th anniversary! Each local section is invited to participate by incorporating the committee's theme "Diversity in the 21st Century-Advancing

Women in Science" into their meetings and special events during 2002. For further information and updates, please visit the WCC web site at <http://membership.acs.org/W/WCC>.



Local Section Members Support the California Academy of Sciences



Four local section members ran in the Run to the Far Side XVII. While they were not costume, they did have a good time and posted great times. *Pictured (left to right): Ean Warren, Baird Lloyd, Edward Pease, and Howard Peters.*



*Happy
New Year!*



CHEMPLOYMENT ABSTRACTS – JANUARY 2002

CHEMPLOYMENT ABSTRACTS 3579

Position Title: Research Scientist Organometallic Chemist

Job Description: Responsible for synthesis & development of processes used in manufacturing of electro & photoactive materials.

QUALIFICATIONS DESIRED

Education: PhD org/organometallic chem
Experience: At least 3-5 yrs of hands on bench synthesis exp, extensive exp with air-sensitive organometallic reagents

LOCATION, SALARY, MAIL ADDRESS

Location: Fremont
Salary: Competitive salary & benefits
Description of Employer: Developing a new generation of all-optical components.

Application Instructions: Send resume to:
Ultraphotonics, HR
46975 Fremont Blvd.
Fremont, CA 94538
Fax: 510-226-3979
Email: kathy.richie@ultraphotonics.com
www.ultraphotonics.com

CHEMPLOYMENT ABSTRACTS 3580

Position Title: Research Assistant/Analytical Chemist

Job Description: Responsible for analytical method development & physical/chemical characterization of organic & inorganic compounds.

QUALIFICATIONS DESIRED

Education: BS/MS, analytical chemistry
Experience: At least 3-5 yrs exp. Strong knowledge of HPLC/GC, GPC, FTIR, UV-Vis

LOCATION, SALARY, MAIL ADDRESS

Location: Fremont
Salary: Competitive salary & benefits
Description of Employer: Developing a new generation of all-optical components.

Application Instructions: Send resume to:
Ultraphotonics, HR
46975 Fremont Blvd.
Fremont, CA 94538
Fax: 510-226-3979
Email: kathy.richie@ultraphotonics.com
www.ultraphotonics.com

CHEMPLOYMENT ABSTRACTS 3581

Position Title: Research Assistant/Organo-metallic Chemist

Job Description: Responsible for synthesis of new organic & organometallic compounds.

QUALIFICATIONS DESIRED

Education: BS/MS in organic/organometallic chemistry
Experience: At least 7 yrs of industrial experience performing organic chemistry.

LOCATION, SALARY, MAIL ADDRESS

Location: Fremont
Salary: Competitive salary & benefits
Description of Employer: Developing a new generation of all-optical components.

Application Instructions: Send resume to:
Ultraphotonics, HR
46975 Fremont Blvd.
Fremont, CA 94538
Fax: 510-226-3979
Email: kathy.richie@ultraphotonics.com
www.ultraphotonics.com

CHEMPLOYMENT ABSTRACTS 3583

Position Title: Research Associate, Medicinal Chemistry

Job Description: As a member of our Medicinal Chemistry group, you will synthesize novel organic molecules with potential biological activity & will focus efforts on optimizing chemical leads for potency, selectivity & pharmacokinetic profile

QUALIFICATIONS DESIRED

Education: BS/MS org chem
Experience: A min of 2 yrs lab exp in organic synthesis

LOCATION, SALARY, MAIL ADDRESS

Location: South San Francisco
Salary: We offer competitive salary with an attractive equity position & full benefits
Description of Employer: Tularik is a leading biopharmaceutical company focused on the development of novel small molecule drugs that work through regulation of gene expression.

Application Instructions: :
For immediate consideration, please email resume to: resume@tularik.com or mail to:
Tularik Inc.
HR Department
Two Corporate Drive
South San Francisco, CA 94080
www.tularik.com

As the pioneers of PCR technology, **Roche Molecular Systems** has embarked on an incredible adventure that has not only launched the global genetics revolution, it has unlocked the molecular man and dramatically altered the future of medical care. Every day is a new opportunity to create novel diagnostic tools, close the gap on infection and detection, and take the power of genomics to the next level. It's an exciting place to be. And the journey has just begun. We currently seek a capable and experienced Sr. Scientist for our Alameda (San Francisco Bay Area) campus.

CHEMPLOYMENT ABSTRACTS 3582

Position Title: Sr. Scientist

Job Description: Work in a team environment to supply high quality oligonucleotides in support of R&D. Includes performing purification and analysis of small-scale, fluorescent dye-modified oligonucleotides by HPLC. Also perform manufacturing feasibility studies & prepare reports & presentations to Manufacturing & Development group leaders.

QUALIFICATIONS DESIRED

Education: MS Chem or Biochem + 2-3 yrs relevant exp or BS with 5-6 yrs relevant exp.

Experience: Should have ability to design & analyze expts & demonstrated HPLC methods development exp. Special consideration will be given for exp with nucleic acids and/or fluorescent mols.

LOCATION, SALARY, MAIL ADDRESS

Location: Alameda
Salary: Competitive salary & benefits

Application Instructions: Send resume to:
Roche Molecular Systems
Human Resources, Job Code 01-RM155-ACSS
P.O. Box 9002
Pleasanton, CA 94566-0900
EMAIL: usa.rms_resumes@roche.com
Principles only, please
www.roche.com/diagnostics/content/molysys

CHEMPLOYMENT ABSTRACTS 3584

Position Title: Analytical Chemistry Group Leader

Job Description: Supervise chemists in analysis of drug products & raw materials for product release & stability assessment.

QUALIFICATIONS DESIRED

Education: BS chem biochem or related discipline
Experience: 10+ yrs exp in a FDA regulated industrial pharmaceutical lab; & extensive exp with pharmaceutical analysis, especially HPLC, UV/Vis, FTIR & dissolution testing.

LOCATION, SALARY, MAIL ADDRESS

Location: Temecula, CA
Description of Employer: Guidant Corp. researches, manufactures & markets systems for cardiac rhythm management, vascular intervention & cardiac/vascular surgery worldwide.

Application Instructions: To be considered for this opportunity, please visit: www.guidant.com/careers

CHEMPLOYMENT ABSTRACTS 3585

Position Title: Associate Scientist

Job Description: Perform and interpret quantitative analysis for various drugs that will include total loading and dissolution profile; perform stability testing for drug coated stent; & maintain laboratory notebooks to document all data.

QUALIFICATIONS DESIRED

Education: BS chem
Experience: 3+ yrs exp in FDA regulated industrial pharmaceutical lab; hands-on exp with HPLC, UV/Vis, FTIR and dissolution testing.

LOCATION, SALARY, MAIL ADDRESS

Location: Temecula, CA
Description of Employer: Guidant Corp. researches, manufactures & markets systems for cardiac rhythm management, vascular intervention & cardiac/vascular surgery worldwide.

Application Instructions: To be considered for this opportunity, please visit: www.guidant.com/careers

CHEMPLOYMENT ABSTRACTS 3586

Position Title: Research Associate I/II: Chemistry

Job Description: Contribute to the design, synthesis & characterization of compounds undergoing biological evaluation.

QUALIFICATIONS DESIRED

Education: BS/MS synthetic chem
Experience: Up to 5 yrs exp.in chemical synthesis with a strong background in chromatographic techniques, NMR & MS

LOCATION, SALARY, MAIL ADDRESS

Location: San Diego
Salary: Competitive salary & benefits
Description of Employer: A drug discovery company using proprietary advances in biology, chemistry & automation to accelerate discovery of new medicines. Our core technologies include a broad portfolio of proprietary fluorescence assay technol & screening platforms designed to provide an integrated soln for drug discovery.

Application Instructions: Send resume to:
Aurora Bioscience Corp.
HR (Ref Job #144LM)
11010 Torreyana Road
San Diego, CA 92121
Email: hr@aurorabio.com
FAX: 858-404-6720

CHEMPLOYMENT ABSTRACTS 3587

Position Title: Research Associate I/II: Chemistry

Job Description: Synthesis/purification of fluorescently-labeled peptides & small molecules.

QUALIFICATIONS DESIRED

Education: BS or MS in chem
Experience: Min 1 yr peptide synthesis exp using automated peptide synthesizers or manual synthesis. Strong knowledge of synthetic chem methods & analytical techniques (TLC, flash chromatography, NMR, UV/VIS & fluorimetry) & exp with HPLC & LC/MS in analytical & purification applications essential.

LOCATION, SALARY, MAIL ADDRESS

Location: San Diego
Salary: Competitive salary & benefits
Description of Employer: A drug discovery company using proprietary advances in biology, chemistry & automation to accelerate discovery of new medicines. Our core technologies include a broad portfolio of proprietary fluorescence assay technol & screening platforms designed to provide an integrated soln for drug discovery.

Application Instructions: Send resume to:
Aurora Bioscience Corp. HR (Ref Job #223DH)
11010 Torreyana Road
San Diego, CA 92121
Email: hr@aurorabio.com
FAX: 858-404-6720

CHEMPLOYMENT ABSTRACTS 3588

Position Title: Research Associate Medicinal Chemistry

Job Description: Carry out synthesis & characterization of small molecule drug candidates & develop clinical drug candidates for an oncology, cardiovascular or inflammation based research program.

QUALIFICATIONS DESIRED

Education: BS and/or MS, org chem
Experience: Solid grasp of org synthesis; strong analytical skills using NMR, MS, HPLC. Good communication skills & ambition to join a growing team of multidisciplinary scientists.

LOCATION, SALARY, MAIL ADDRESS

Location: South San Francisco
Salary: Competitive
Application Instructions: Send resume to:
Celerajob
HR Dept., Attn: Job #MC-RA-ACS
180 Kimball Way
South San Francisco, CA 94080
FAX: 650-866-6650
Web: www.celerajobs.com

CHEMPLOYMENT ABSTRACTS 3589

Position Title: Scientist, Medicinal Chemistry

Job Description: Carry out the design, synthesis & characterization of small molecule drug candidates & develop clinical drug candidates for oncology, cardiovascular or inflammation based research program.

QUALIFICATIONS DESIRED

Education: PhD org or medicinal chem
Experience: 2 yrs of postdoctoral or relevant research exp; solid grasp of org synthesis as demonstrated by relevant publications; strong analytical skills using NMR, MS, HPLC. Good communication skills & the ambition to join a growing team of multidisciplinary scientists.

LOCATION, SALARY, MAIL ADDRESS

Location: South San Francisco
Salary: Competitive
Application Instructions: Send resume to:
Celerajob
HR Dept., Attn: Job #MC-SCI-ACS
180 Kimball Way
South San Francisco, CA 94080
FAX: 650-866-6650
Web: www.celerajobs.com

CHEMPLOYMENT ABSTRACTS 3590

Position Title: Research Assistant/Chemist

Job Description: Develop, improve & evaluate analytical methods for environmental & biological samples. Provide analytical support for manufacturing & quality control.

QUALIFICATIONS DESIRED

Education: BS/MS org chem, chem or equivalent
Experience: At least 1-3 yrs lab exp. Have solid understanding of org & analytical chem; be familiar with std analytical techniques. In-depth knowledge & first-hand exp in HPLC is required.

LOCATION, SALARY, MAIL ADDRESS

Location: Mountain View
Salary: Dependent on experience
Description of Employer: Develop HPLC assays for environmental & biomedical markets. Manufacture reagents & supplies.

Application Instructions: Send resume to:
Human Resources
Pickering Laboratories, Inc.
1280 Space Park Way
Mountain View, CA 94043
Email: personnel@pickeringlabs.com
FAX: 650-968-0749

CHEMPLOYMENT ABSTRACTS 3591

Position Title: Customer Support Chemist

Job Description: Handle technical inquiries from end-user & resellers; perform field installation; represent company at seminars, exhibitions & workshops; create & support training programs; provide technical & user inputs for new consumables & hardware products.

QUALIFICATIONS DESIRED

Education: BS/MS chem or related discipline
Experience: At least 1+ yrs relevant exp is desirable; knowledge of HPLC; good communication skills.

LOCATION, SALARY, MAIL ADDRESS

Location: Mountain View
Salary: Dependent on experience
Description of Employer: Develop HPLC assays for environmental & biomedical markets. Manufacture reagents & supplies.

Application Instructions: Send resume to:
Human Resources
Pickering Laboratories, Inc.
1280 Space Park Way
Mountain View, CA 94043
Email: personnel@pickeringlabs.com
FAX: 650-968-0749

CHEMPLOYMENT ABSTRACTS 3592

Position Title: Research Associate/ Sr. Research Associate, Exploratory Research

Job Description: Responsible for performing synthesis & characterization of new chem entities, e.g., metallo-tetraphyrins & various other porphyrin-like macrocyclic drug candidates for treatment of cancer & cardiovascular diseases & other biomedical applications/technologies.

QUALIFICATIONS DESIRED

Education: BS/MS in chem with conc in synthetic org chem
Experience: 1-5 yrs academic or industrial exp in a synthetic research and/or development environment.

LOCATION, SALARY, MAIL ADDRESS

Location: Sunnyvale
Salary: Competitive salary & benefits/stock options
Description of Employer: Pharmaceutical R&D company

Application Instructions: Send resume to:
Pharmacyclics, Inc.
Attn: Human Resources
995 E. Arques Avenue
Sunnyvale, CA 94085
FAX: 408-990-7361
Email: hr@pcyc.com

CHEMPLOYMENT ABSTRACTS 3593

Position Title: Associate Chemist

Job Description: Synthesis of new organic cpds to be evaluated as antimicrobial agents.

QUALIFICATIONS DESIRED

Education: BS/BS or MS/MS org
Experience: At least 1 yr of independent research exp in org synthesis is required. A record of publication is desirable. Should also possess excellent communication skills & should have the ability to work both independently & as part of a multidisciplinary team.

LOCATION, SALARY, MAIL ADDRESS

Location: Mountain View
Salary: Competitive salary & benefits
Description of Employer: Innovative Bay Area pharmaceutical company discovering new anti-infective agents.

Application Instructions: Send resume to:
Human Resources
Attn: Job Code 808-MCA
Essential Therapeutics, Inc.
850 Maude Avenue
Mountain View, CA 94043
FAX: 650-526-3034

CHEMPLOYMENT ABSTRACTS 3594

Position Title: Research Associate Medicinal & Synthetic Org Chem

Job Description: Working with A multi-disciplinary team, plan & conduct multi-step synthesis of target small molecules to support identification of drug candidates & participate in continued development of our technology platform.

QUALIFICATIONS DESIRED

Education: BS/MS org chem
Experience: A minimum of 2 yrs lab exp in org synthesis.

LOCATION, SALARY, MAIL ADDRESS

Location: South San Francisco
Salary: Competitive salary with attractive equity position & full benefits
Description of Employer: A dynamic pre-IPO company focused on new methods for the discovery of therapeutic small molecule drugs. www.sunesis.com

Application Instructions: Send resume to:
Email: jobs@sunesis.com
indicating Job Code 1005-ACS
or FAX: 650-266-3503
Sunesis Pharmaceuticals, Inc.
341 Oyster Point Blvd.
South San Francisco, CA 94080

CHEMPLOYMENT ABSTRACTS 3595

Position Title: Scientist Medicinal & Combinatorial Chemistry

Job Description: Working with a Multi-disciplinary team, design & conduct multi-step synthesis of target small molecules to support identification of drug candidate & participate in continued development of our technology platform.

QUALIFICATIONS DESIRED

Education: PhD org chem
Experience: A minimum of 2 yrs exp in the pharmaceutical industry

LOCATION, SALARY, MAIL ADDRESS

Location: South San Francisco
Salary: Competitive salary with attractive equity position & full benefits
Description of Employer: A dynamic pre-IPO Company focused on new methods for the discovery of therapeutic small molecule drugs. www.sunesis.com

Application Instructions: Send resume to:
Email: jobs@sunesis.com
indicating Job Code 1042-ACS
or FAX: 650-266-3503
Sunesis Pharmaceuticals, Inc.
341 Oyster Point Blvd.
South San Francisco, CA 94080

CHEMPLOYMENT ABSTRACTS 3596

Position Title: Research Associate/Scientist

Job Description: Will be expected to work in a multi-disciplinary team setting & play a critical role in the rapid commercialization of new products.

QUALIFICATIONS DESIRED

Education: BS/MS org chem
Experience: At least 2+ yrs exp in synthesis of peptides & HPLC purification. Experience in peptides, nucleosides & nucleotides synthesis & purification. Excellent communication, interpersonal & problem solving skills.

LOCATION, SALARY, MAIL ADDRESS

Location: Mountain View
Salary: Competitive salary & benefits
Description of Employer: Enabling a new generation of assay technologies & microfluidic systems for biochem & cellular analysis.

Application Instructions: Send resume to:
jobs@aclara.com or
Attn: HR
Aclara Biosciences
1288 Pear Avenue
Mountain View, CA 94040

CHEMPLOYMENT ABSTRACTS 3597

Position Title: Analytical Chemist - RA/SRA (2 positions)

Job Description: Primary responsibility is for departmental operation of LC-MS. A secondary responsibility is preparative purification of small molecules by HPLC of samples prepared by medicinal chemists.

QUALIFICATIONS DESIRED

Education: BS/MS chem
Experience: 2+ yrs industrial exp. Substantial exp in HPLC operation, maintenance & method development. Significant industrial exp in analytical setting & working knowledge of org chem.

LOCATION, SALARY, MAIL ADDRESS

Location: South San Francisco
Salary: Competitive
Description of Employer: From our well-documented advances in neurology & pain management to our pioneering development of an Alzheimer's vaccine, we're committed to channeling the strength of an internationally growing company into biopharmaceutical innovation.

Application Instructions: Send resume to:
Email indicating Job Code 50510011-ACS to:
elanpharma@roc.webhire.com
or FAX: Attn: Elan, 800-295-2479
or visit our web site at www.elan.com
Elan Pharmaceuticals Group
700 Gateway Blvd., South San Francisco, CA 94080



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.

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49 Quail Court
Walnut Creek, CA 94596
925-287-8055
e-mail: office@calacs.org

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714-895-9558
Ron Denedour
23731 Coronel Drive
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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@acusc.edu

San Geronigo 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



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Strategic Planning committee Update
New Publications at www.chemistry.org/careers
The American Chemical Society Directory of
Graduate Research Just Released
Past Chair's Message
WCC Celebrates Its 75th Anniversary in 2002

CHEMPLOYMENT ABSTRACTS

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Treasurer: Hong Gao	650-564-5197	hong.gao@alza.com
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Director: **Shirley B. Radding** 408-246-2564 sradding@att.net

FUTURE MEETINGS

Jan 10	Executive Committee Meeting
Jan 17	Mosher Award Dinner Meeting <i>James Morrison, Recipient</i>
Feb 21	SCV Dinner Meeting <i>Harry Cook, USGS</i>
Feb 24-27	Process Chemistry in the Pharmaceutical Industry Barcelona, Spain
Mar (TBD)	Chemistry Olympiad
Mar 21	SCV Dinner Meeting <i>David Rakestraw</i>
Apr 7-12	National Meeting Orlando, FL

For the latest information, please visit
SCV/ACS web site: www.scvacs.org



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