

Silicon Valley Chemist

Santa Clara Valley Section

American Chemical Society

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HST Images of Saturn's Rings

Jack J. Lissauer, NASA Ames

Abstract

Saturn's beautiful rings have fascinated astronomers since they were first observed by Galileo in 1610. The main rings consist of solid particles mostly in the 1 cm - 10 m range, composed primarily of water ice. The ring disk is exceptionally thin – the typical local thickness of the bright rings is tens of meters, whereas the diameter of the main rings is 250,000 km! The main rings exhibit substantial radial variations “ringlets”, many of which are actively maintained via gravitational perturbations from Saturn's moons. Exterior to the main rings lie tenuous dust rings, which have little mass but occupy a very large volume of space. This talk will emphasize results obtained by the Hubble Space Telescope (HST) during the past half dozen years. These include images taken during 1995 when the rings appeared edge-on to the Earth and then to the Sun, and a particularly beautiful set of photos taken by HST in subsequent years as



the rings opened up and appeared in their full glory to Earth.

Biography

Jack Lissauer is a research scientist who has been at NASA's Ames Research Center <http://www.arc.nasa.gov/>

since 1996. His primary research interests are the formation of planetary systems, planetary dynamics and chaos, planetary ring systems, and circumstellar/protoplanetary disks. Dr. Lissauer has used the Hubble Space Telescope for imaging studies of Saturn's rings <http://heritage.stsci.edu/public/2001jun/display.html> and spectroscopic investigations of comets orbiting the star Beta Pictoris and hydrogen orbiting young stars.

Dr. Lissauer has worked on a wide variety of theoretical projects related to the formation and evolution of planetary systems. These include modeling the growth of giant planets, the origin of planetary rotation, and the stability of planetary systems.

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September Dinner Meeting

Date: September 20, 2001

Time: 6:00 pm Social Hour
7:00 pm Dinner
8:00 pm Presentation

Location: Biltmore Hotel & Suites
2151 Laurelwood Road
Santa Clara, CA
North of 101 off the
Montague Expressway
(408) 988-8411

Speaker: Dr. Jack Lissauer
NASA Ames

Cost: \$25 with the choice of
Grilled Salmon, or Pasta
Primavera

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

Reservations should be made by September 17; stating your name, company affiliation, number of people in the party and the meal preference. People may also register using our web site: www.scvacs.org.

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 (650-859-4782, laura.rasay@sri.com) for more information.

Chair's Message

This year the 2001 Wine Tasting and Awards Dinner was as enjoyable as ever; the Roudon Smith wines that were served were especially good. Each year several attendees ask for a more descriptive approach to wine tasting; this year was no exception. So for those of you who are interested in an educational, as well as, flavorful wine experience, then look forward to our May 2002 monthly meeting when Bob Roudon will actually have time to explain to us the finer points of wine tasting. A special thanks to our own 50 year member, Floyd Hobbs, for arranging for this special event and all of our previous tastings.

Special congratulations to Dr. George Fohlen, who reached his 60th year of ACS membership this year. This information took us by surprise as national did

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HST Images, continued from front page

Additionally, he is searching for extra-solar planetary systems, both from the ground and, hopefully, in the future with the proposed Kepler spacecraft <http://www.kepler.arc.nasa.gov/>. In addition to HST imaging projects, his work worked on the studies of planetary ring systems has included analysis of the interactions between rings and moons and their implications for the ages of ring systems.

Dr. Lissauer was on the Astronomy faculty at the State University of New York at Stony Brook from 1987 to 1996. He is the co-author (with Imke de Pater) of the graduate level textbook Planetary Sciences (Cambridge University Press, 2001).



Chair's Message, continued from front page

not provide us with a certificate for him. But we will have the opportunity to honor George at a local section dinner meeting of his choice. The executive committee recently asked me to remind the section of a little known fact in our section. Do our past and present 50 year members know that they can attend our section dinner meetings for half price? This 'perk' has apparently been overlooked in the recent years! So Floyd, Cam Ainsworth, Gus Kohn, Charles Allman, and several others can attend the dinner meetings for \$12.50! Keep your membership current and you too can benefit from 50 years!

The Ottenberg award has always been kept as a surprise and is not revealed before the summer meeting and this year was no exception. So I



At the July wine tasting and picnic meeting, the local members and guests were able to taste a variety of Roudon-Smith's red and white wines. Floyd Hobbs (right) is seen here opening a bottle of wine with Bob Roudon (left).

Service Above and Beyond the Call of Duty

That is what Steve Colby gave to the local section. Steve was one of those invisible volunteers that make this section function so well. As editor of the Silicon Valley Chemist for almost four years, Steve made us look good to the members and the outside world. He edited poorly written columns, corrected incorrect data, nudged us to submit information even after the deadline passed, combed the web for pertinent 'filler' information, and regaled us with bits of scientific humor. And he did this all as a volunteer.



I remember meeting Steve at a Spring meeting at the University of Santa Clara. He was new to California and our section. Bonnie Charpentier, the chair of the section, announced that we needed someone to take over the editorship of the newsletter. Steve volunteered and the rest is history, as they say.

In addition to working full time this Fall, he is taking on the commitment of going back to school – law school – so beginning this month his time will be in short supply and therefore very valuable. Steve had to resign from the editorship of the Silicon Valley Chemist.

From all of your readers – thank you Steve for your dedication and work.

Sally Peters



was extremely surprised to learn with everyone else that I was the recipient! Thank you to everyone who thought of me for this award. The previous winners form an illustrious and dedicated group and include the section's hardworking past chairs, councilors, and secretaries. I am honored to be considered with them! Thank you, Lois and the committee.

The California section is planning its 100th anniversary celebration on October 27th and we have been invited to attend. Marinda Wu, the section's chair, has planned a luncheon and program at the Dean Leshner Regional Center for the Arts in Walnut Creek. We will post the program information as it becomes known. Many of us are planning to attend.

The past few months the section's post office box has been fuller than normal. Several copies of the Silicon Valley Chemist have been returned because of incorrect addresses. When you change jobs or home addresses you think of contacting C&EN for an address change, but you should also think of contacting the local section with the changes. National eventually filters the changes down to our level, but it may take 3 or more months.

By then you have not received a newsletter, meeting announcement, Chememployment, or read my titillating column for several issues! So call one of the officers (numbers listed in the newsletter and on the website), send Shirley Radding a fax (408-296-8625, also usually in the newsletter) or contact the webmasters via email at the bottom of the web page, <http://www.scvacs.org>. That will help us and ultimately help you.

Sally Peters

ACS-SCVS NOMINATIONS FOR 2002

Chair-elect	Maureen Scharberg
Secretary	Karl Marhenke
Treasurer	Hong Gao
Councilors	Bonnie Charpentier Herb Silber
Alternate Councilors	Peter Rusch Jon Touster Carol Mosher

Volunteers Needed for Planned National Historic Chemical Landmark

In the March 2000 issue of the Silicon Valley Chemist (SVC), a volunteer search was conducted for the first planned landmark event in biotechnology/biochemistry. Unfortunately, the volunteer response was low and the section was unable to follow through as planned.

On September 15, 2001, Dr. Stanley Cohen of Stanford and Dr. Herbert Boyer of University of California at San Francisco (UCSF) will be inducted into the National Inventors Hall of Fame for their gene splicing research. Their patent rights generated about \$330 million in license fees for Stanford and UCSF combined. The SCV-ACS is planning to establish a National Historic Chemical Landmark (NHCL) in 2002 – the first of its kind in biochemistry or biotechnology! This NHCL event will be held at both Stanford University's Medical Center and UCSF on the same day.

We need about 10 volunteers and corporations NOW to serve as the organizing committee to finalize the existing pre-proposed application, raise funds (about \$30,000), and to set the dates to program, organize, and run the NHCL event. Both inventors are still active today and are expected to participate

with invaluable personal history accounts of those early days - if we act quickly!

Please contact Dr. Peters as soon

as possible for more information:

Dr. Howard Peters
Acting Chair – NHCL Organizing
Committee
(650) 324-1677 Ext. 20
email: peters4pa@aol.com



California Section's 100th Anniversary Celebration

Come join fellow chemists to hear speakers on the future of our profession, enjoy some musical entertainment, and have lunch with other California Section members!

DATE: Saturday, October 27, 2001

PLACE: Dean Leshner Regional Center
for the Arts

1601 Civic Drive, Walnut Creek, CA
Parking available in adjacent garage
one block to BART

TIME: 10:30 am to 3:00 pm

PRICE: \$15.00

Includes Buffet Lunch at Massimo Ristorante

For reservations please call the California Section Office at (925) 287-8055 or email: office@calacs.org by October 19.

Photo (top): National President Attila Pavlath and past-California section Chair Mary Singeton at the California Section Centennial Celebration at the 2001 Spring Meeting in San Diego.
Photo (bottom): California section Chair, Marinda Wu, poses with Sally Peters and the California Centennial t-shirt at the in San Diego.



CHEMPLOYMENT ABSTRACTS – SEPTEMBER 2001

CHEMPLOYMENT ABSTRACTS 3526

Position Title: Sr. Research Associate/Scientist I/II

Job Description: Design/synthesize lead cpd optimization libraries & drug candidate cpds for various drug discovery targets as well as develop new technologies for applications in high-throughput assay development & screening projects.

QUALIFICATIONS DESIRED

Education: PhD synthetic chem or BS with 4 yrs industrial exp or MS with 2 yrs exp.
Experience: Knowledge of multi-step synthetic chem methods, purification & analytical techniques & TLC, flash chromatog, HPLC, LC/MS, NMR & UV/vis.

LOCATION, SALARY, MAIL ADDRESS

Location: San Diego
Salary: Competitive salary & benefits
Description of Employer: Drug discovery company

Application Instructions: Send resume to:
Aurora Biosciences Corp.
HR (ref Job #0144LM)
11010 Torreyana Road
San Diego, CA 92121
Email: hr@aurorabio.com
FAX: 858-404-6720

CHEMPLOYMENT ABSTRACTS 3527

Position Title: Research Associate I/II, Chemistry

Job Description: Design/synthesize lead cpd optimization libraries & drug candidate cpds for various drug discovery targets.

QUALIFICATIONS DESIRED

Education: BS/MS org chem
Experience: Minimum 2 yrs exp in lab chem synthesis, multi-step synthetic chem, analytical techniques for routine small molecule cpd analysis, TLC, flash chromatog, HPLC, LC/MS, NMR, UV/vis, cheminformatics databases

LOCATION, SALARY, MAIL ADDRESS

Location: San Diego
Salary: Competitive salary & benefits
Description of Employer: Drug discovery company

Application Instructions: Send resume to:
Aurora Biosciences Corp.
HR (ref Job #0203AS)
11010 Torreyana Road
San Diego, CA 92121
Email: hr@aurorabio.com
FAX: 858-404-6720

CHEMPLOYMENT ABSTRACTS 3528

Position Title: Scientist/Sr. Scientist Chemistry

Job Description: Bioconjugate or bioorganic chemist needed to develop effective strategies & methods for conjugation of bioaffinity molecules (haptens, antibodies, DNA, small molecules) to quantum dot semiconductor nanocrystals. Work closely with biologists to maximize conjugate performance in a variety of assays.

QUALIFICATIONS DESIRED

Education: PhD chem, biochem or equivalent
Experience: Must have at least 2 yrs industrial R&D exp in bioconjugate chem. Exp with manipulation of colloids, liposomes or modification of proteins or synthetic macromolecules is required & knowledge of std modification chemistries for biomolecules is essential. Exp with colloidal mats & surface chem is beneficial. Must be organized & communicative.

LOCATION, SALARY, MAIL ADDRESS

Location: Hayward

Application Instructions: Send resume and job code to:
Quantum Dot Corp.
HR (Job Code Chem 7/01)
26118 Research Road
Hayward, CA 94545
Email: jobs@qdots.com
FAX: 510-783-9729

CHEMPLOYMENT ABSTRACTS 3529

Position Title: Research Scientist, (BF1-104)

Job Description: Responsible for analytical method development, assay validation, impurity identification & physical/chemical characterization of drug substance & polymorphic forms.

QUALIFICATIONS DESIRED

Education: PhD org, analytical or pharmaceutical chem
Experience: 0-2 yrs exp; HPLC/GC skills needed. DSC, surface area determination, LC-MS, XRPD preferred.

LOCATION, SALARY, MAIL ADDRESS

Location: Foster City
Salary: Competitive salary & benefits
Description of Employer: Discovers, develops, manufactures, markets & sales therapeutics for viral fungi & bacterial infections & cancer.

Application Instructions: Send resume to:

Gilead Sciences
Email: gilead@rpc.webhire.com
(Please reference Job Code ACSBF1-104 in subject line)
Or apply at www.gilead.com.
Please indicate job code.

CHEMPLOYMENT ABSTRACTS 3531

Position Title: Principal Scientist, Band C
Oligonucleotide Specialist

Job Description: Evaluate novel chem in support of synthesis & analysis of oligos & their use in PCR. Responsibilities include developing thermodynamic parameters providing information to users of oligos such as Tm & Tmp algorithms & modified bases in calc. Also study enzyme kinetics of PCR proc pertaining to different phases of PCR, using HPLC, MS & CE analysis to establish purity & identity of oligos prods & org chem to modify conditions of DNA synthesis at the level of phosphoramides or on DNA synthesizer for optimization of DNA synthesis.

QUALIFICATIONS DESIRED

Education: PhD chem or equiv.
Experience: 2+ yrs exp in applied chem study of oligonucleotides in an ind biotech setting. Demonstrated effectiveness in areas of nucleic acid biochem & org chem of DNA synthesis is preferred.

LOCATION, SALARY, MAIL ADDRESS

Location: Pleasanton
Description of Employer: Pioneer of PCR technology

Application Instructions: Send resume, indicating Job Code RM105-ACS to:
Roche Molecular Systems, HR
P.O. Box 9002
Pleasanton, CA 94566-0900
Email: usa_rms_resume@roche.com

CHEMPLOYMENT ABSTRACTS 3532

Position Title: Principal Scientist Organic Chemistry

Job Description: Synthesis of organic chemistry of nucleo-sides & nucleotides & development of new & innovative chemistries for PCR technol. Apply modern analysis to probs relating to kinetics & thermodyn of oligonucleotide interactions & responsible for developing analytical methods needed to support prod development & manufacture.

QUALIFICATIONS DESIRED

Education: PhD synthetic org chem, biochem or related field

Experience: Demonstrated expertise in syn org chem of nucleosides & nucleotides, carbohydrates & heterocycles. Exp in modern methods of oligonucleotide synthesis, PCR techniques with emphasis of fluorescence tech & nucleic amplification, detection technol required. Must have skills in interpretation of data from analytical instruments including MS, NMR & fluorimeter. 2-4 yrs postdoc exp or equiv combination of education & work-related exp preferred.

LOCATION, SALARY, MAIL ADDRESS

Location: Pleasanton
Description of Employer: Pioneer in PCR technology

Application Instructions: Send resume including Job Code RM024-ACS to:
Roche Molecular Systems, HR
P.O. Box 9002, Pleasanton, CA 94566-0900
Email: usa_rms_resume@roche.com

CHEMPLOYMENT ABSTRACTS 3533

Position Title: Protein Separation Scientist Protein Chemistry

Job Description: Responsible for developing & implementing affinity chromatog strategies for protein separation on high-density biochip array surfaces. Also involves developing & evaluation of biochip functional performance using liquid-handling robotics & laser mass spect for protein analysis. Will take part & lead dynamic proj teams for solving client problems using utility-driven protein discovery mission of LumiCyte.

QUALIFICATIONS DESIRED

Education: PhD protein chem and/or related fields.
Experience: Preferably 3-5 yrs relevant industrial exp, hands-on expertise in protein separation & bioconjugate chem & ability to work in diverse interdisciplinary environment. Familiarity with design of exp (DOE) a plus.

LOCATION, SALARY, MAIL ADDRESS

Location: Fremont
Salary: Competitive salary & benefits & stock options
Description of Employer: Interdisciplinary bio-informatics company

Application Instructions: Send resume & cover letter to: kmeyer@lumicyte.com
FAX: 650-625-1776
Phone: 510-226-3953

CHEMPLOYMENT ABSTRACTS 3534

Position Title: Laboratory Technician, 2 openings

Job Description: Responsible for assisting R&D scientist(s). Perform general lab work, executing solid-phase & soln-phase org synthesis needed for biochip microarray fabrication & protein assays. Apply hands-on lab exp to maintain reagent inventories & order supplies. Responsibilities will be focused in lab & supporting dynamic project teams.

QUALIFICATIONS DESIRED

Education: BS org chem with some related academic and/or industrial exp.
Experience: Ability to perform in diverse interdisciplinary environments. Knowledge of basic lab methods is desirable.

LOCATION, SALARY, MAIL ADDRESS

Location: Fremont
Salary: Competitive salary & benefits & stock options
Description of Employer: Interdisciplinary bio-informatics company

Application Instructions: Send resume & cover letter to: kmeyer@lumicyte.com
FAX: 650-625-1776
Phone: 510-226-3953

CHEMPLOYMENT ABSTRACTS 3535

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
Microcide Pharmaceuticals, Inc
850 Maude Avenue
Mountain View, CA 94043
FAX: 650-526-3034

CHEMPLOYMENT ABSTRACTS 3536

Position Title: Research Associate, Medicinal Chemistry

Job Description: Synthesize novel org molecules with potential biological activity & will focus efforts on optimizing chem leads for potency, selectivity & pharmacokinetic profile.

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 an attractive equity position & full benefits.
Description of Employer: A leading biopharmaceutical company focused on development of novel small molecule drugs that work thru regulation of gene expression.

Application Instructions: Send resume to:
Email: resume@tularik.com
or:
Tularik Inc.
HR Department
Two Corporate Drive
South San Francisco, CA 94080
www.tularik.com

CHEMPLOYMENT ABSTRACTS 3543

Position Title: Chemistry Instructor

Job Description: Teach the full range of freshman & sophomore level college chemistry courses (General Chemistry - Organic Chemistry), develop innovative approaches to teaching. A detailed job description can be viewed on the Internet on Cabrillo's web page: <http://www.cabrillo.cc.ca.us>

QUALIFICATIONS DESIRED

Education: (1) California Community College Instructor credential in chemistry or (2) Meet CA State minimum qualifications or equivalency

LOCATION, SALARY, MAIL ADDRESS

Location: Aptos, California
Salary: \$42,383 to \$65,011 plus benefits package up to \$9,231 per month
Description of Employer: Cabrillo Community College is an EO/AE/ADA employer, located in the vibrant university community of Santa Cruz on the Monterey Bay.

Application Instructions: Required application forms must be obtained from and returned to:
Cabrillo Community College
Personnel Department
6500 Soquel Drive
Aptos, CA 95003
Phone: 831-479-6217

CHEMPLOYMENT ABSTRACTS 3544

Position Title: Research Associate, Analytical Chemistry

Job Description: Perform high thrupt quantitative & qualitative analysis of org cpd libraries. Will be responsible for technology advancement in high thrupt analysis; operating, maintaining & troubleshooting LC/MS.

QUALIFICATIONS DESIRED

Education: BS/MS Chem
Experience: 1-5 yrs industry exp in mass spect & analytical chem; hands-on exp with HPLC, mass spect, LC/MS, MS/MS & detection methods (UV,ELSD, CLND, etc.); working knowledge of analytical instrumentation & strong written/verbal communication skills.

LOCATION, SALARY, MAIL ADDRESS

Location: South San Francisco
Salary: Competitive

Application Instructions: Send resume to:
ChemRx Advanced Technologies, Inc., HR Dept., Attn: Job# N01-ARA-SCA
385 Oyster Point Blvd., Suite 1
South San Francisco, CA 94080
Email: hr@chemrx.com
www.chemrx.com

CHEMPLOYMENT ABSTRACTS 3545

Position Title: Research Associates, Synthetic Organic/Combinatorial Chemistry

Job Description: Apply synthetic organic, medicinal, process, combinatorial & computational chem to discovery of new drug candidates; design/synthesize org compounds & combinatorial libraries for evaluation as part of continuing combi-chem programs.

QUALIFICATIONS DESIRED

Education: BS/MS chem
Experience: 1-5 yrs industry exp. Active experimentalists & eager to work in integrated, multidisciplinary drug discovery environ. Exp in multistep synthetic org, combinatorial, process or medicinal chem. Use of NMR, IR, MS, HPLC & routine compound isolation & characterization methodology; record of accomplishment.

LOCATION, SALARY, MAIL ADDRESS

Location: South San Francisco
Salary: Competitive

Application Instructions: Send resume to:
ChemRx Advanced Technologies, Inc., HR Dept., Attn: Job# N01-ARA-SCA
385 Oyster Point Blvd., Suite 1
South San Francisco, CA 94080
Email: hr@chemrx.com
www.chemrx.com

**EMPLOYMENT HELP
IN OTHER AREAS
OF CALIFORNIA**

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

California Section

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

California Los Padres Section

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

Mojave Desert Section

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

Orange County Section

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

Sacramento Section

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

San Diego Section

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

San Gorgonio Section

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

Southern California Section

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

CHEMPLOYMENT ABSTRACTS 3537

Position Title: Staff Scientist/Research Scientist

Job Description: Provide expertise in mats characterizations, including drug substances, excipient, & polymer mats, & responsible for characterization of rheological, mechanical, thermal, morphological & structural properties that affect performance of mats in drug delivery systems.

QUALIFICATIONS DESIRED

Education: BS/MS/PhD polymer phys, chem, science, chem engrg or mats sci.
Experience: 6+ yrs exp. Knowledge of statistical methods of exptl design & data analysis a plus. Job Code 00-687-GS-CHEM.

LOCATION, SALARY, MAIL ADDRESS

Location: Mountain View
Salary: Competitive salary & benefits

Application Instructions: Send resume indicating Job

Code to:
ALZA Corporation, HR Dept.
1900 Charleston Road
P.O. Box 7210
Mountain View, CA 94039-7210
FAX: 650-564-5656
Email: jobs@alza.com (ASCII files only)
Job Hotline: 650-564-5319

ALZA - It's all about IMPROVING LIFE.

As a research-based pharmaceutical company, ALZA is focused on developing and bringing to market products with enhanced therapeutic value based on our innovative drug delivery technologies. In our role as a developer, manufacturer and marketer of breakthrough products, we are committed to creating innovative solutions to advance patient care. Our mission is to improve the lives of people everywhere.

CHEMPLOYMENT ABSTRACTS 3538

Position Title: Sr. Project Chemist

Job Description: Help identify & implement strategies to provide bioanalytical support for toxicology, clinical and/or PK studies. Will include helping ensure that analysis, report & review of study samples complies with SOPs & GLP/GMP stds; reporting on proj status/issues; & preparing justification for outsourcing versus in-house analysis.

QUALIFICATIONS DESIRED

Education: MS or PhD chem or biochem with emphasis on analytical chromatog & immunochem techniques
Experience: 6+ yrs analytical pharmaceutical background including 2 yrs supervisory exp & demonstrated success in IND/NDA report submissions & approvals. Job Code 00-885GS-CHEM

LOCATION, SALARY, MAIL ADDRESS

Location: Mountain View
Salary: Competitive salary & benefits

Application Instructions: Send resume indicating Job

Code to:
ALZA Corporation, HR Dept.
1900 Charleston Road
P.O. Box 7210
Mountain View, CA 94039-7210
FAX: 650-564-5656
Email: jobs@alza.com (ASCII files only)
Job Hotline: 650-564-5319

CHEMPLOYMENT ABSTRACTS 3539

Position Title: Sr. Chemist/Staff Scientist

Job Description: Using liquid & gas chromatography & general chem methods, perform method quality review, including evaluating, enhancing, developing & validating methodologies. With min supervision, establish priorities & timelines & communicate issues & resolutions.

QUALIFICATIONS DESIRED

Education: BS/MS/PhD chem or pharmaceutical sciences
Experience: 5-8 yrs hands-on analytical exp in pharmaceutical industry, knowledge of regulatory requirements for raw pharmaceutical usage & familiarity with GMPs. Job Code 01-239-GS-CHEM

LOCATION, SALARY, MAIL ADDRESS

Location: Mountain View
Salary: Competitive salary & benefits

Application Instructions: Send resume indicating Job

Code to:
ALZA Corporation, HR Dept.
1900 Charleston Road
P.O. Box 7210
Mountain View, CA 94039-7210
FAX: 650-564-5656
Email: jobs@alza.com (ASCII files only)
Job Hotline: 650-564-5319

CHEMPLOYMENT ABSTRACTS 3540

Position Title: Sr. Chemist

Job Description: Provide anal support for studies in macro-mol formulation development on proprietary systems, conduct assay tests, setting up analyt instruments for assay testing, & performing required daily anal testing under min supervision. Duties include developing methods, in-corporating new technologies & instrumentation & performing method transfer.

QUALIFICATIONS DESIRED

Education: BS/MS biochem, chem or equivalent
Experience: 6+ yrs exp protein formulation & analyt chem. Thorough understanding of chromatog (HPLC) & protein analysis, characterization techniques & phys & chem mechs of protein degrdn is critical. JOB CODE 01-330-GS-CHEM

LOCATION, SALARY, MAIL ADDRESS

Location: Mountain View
Salary: Competitive salary & benefits

Application Instructions: Send resume indicating Job

Code to:
ALZA Corporation, HR
1900 Charleston Road
P.O. Box 7210
Mountain View, CA 94039-7210
FAX: 650-564-5656
Email: jobs@alza.com (ASCII files only)
Job Hotline: 650-564-5319

CHEMPLOYMENT ABSTRACTS 3541

Position Title: Research Scientist (2 positions)

Job Description: Lead the formulation & development of protein products & technical development of 1+ projects for our emerging technologies, as well as design experiments, interpret data and possibly supervise other chemists in the execution of formulation tasks.

QUALIFICATIONS DESIRED

Education: PhD Pharmaceutical science, chem engrg, biochem or a related field
Experience: 3+ yrs exp in protein chem (preferably in a pharmaceutical research or industrial development setting. A thorough understanding of chromatography (HPLC), most protein analysis & characterization techniques, & Physical & chemical mechanisms of protein degradation is essential. JOB CODE 01-259-GS-CHEM and 01-332-GS-CHEM

LOCATION, SALARY, MAIL ADDRESS

Location: Mountain View
Salary: Competitive salary & benefits

Application Instructions: Send resume indicating Job

Code to:
ALZA Corporation, HR Dept.
1900 Charleston Road, P.O. Box 7210
Mountain View, CA 94039-7210
FAX: 650-564-5656
Email: jobs@alza.com (ASCII files only)
Job Hotline: 650-564-5319

CHEMPLOYMENT ABSTRACTS 3542

Position Title: Chemist II/III/Sr (2 positions)

Job Description: Provide analytical method development validation supporting protein/peptide formulation res and prod development, including HPLC, in vitro release rate assays, CE, peptide mapping, SDS-PAGE, & IEF. Analyze samples from res and stability prog, summarize exptl results and stability data in tech reports, present findings & support NDA filings.

QUALIFICATIONS DESIRED

Education: BS chem or biochem
Experience: 2-6 yrs hands-on anal pharma exp is required, including exp with HPLC, CE, SDS-PAGE, IEF & protein/peptide analysis & characterization. Must be familiar with computerized data acquisition systems, GMP environ operations, & major scientific charting software, JOB CODES 01-336-GS-CHEM

LOCATION, SALARY, MAIL ADDRESS

Location: Mountain View
Salary: Competitive salary & benefits

Application Instructions: Send resume indicating Job

Code to:
ALZA Corporation, HR Dept.
1900 Charleston Road
P.O. Box 7210
Mountain View, CA 94039-7210
FAX: 650-564-5656
Email: jobs@alza.com (ASCII files only)
Job Hotline: 650-564-5319

CHEMPLOYMENT ABSTRACTS 3546

Position Title: Chromatography Chemist (RA/SRA)

Job Description: Synthesis & purification of peptides & other small molecules by automated methods, as well as analysis & HPLC preparation of such molecules.

QUALIFICATIONS DESIRED

Education: Ms or BS in chemistry
Experience: 2+ yrs of industrial exp. Substantial exp with HPLC & peptide synthesis equipment & its operation. Familiarity with typical analytical instruments & procedures, such as mass spect, NMR, IR & TLC. Excellent verbal & written communication skills.

LOCATION, SALARY, MAIL ADDRESS

Location: South San Francisco
Salary: Competitive
Description of Employer: We're committed to channeling the strength of an internationally growing company into bio-pharmaceutically innovation.

Application Instructions: Send resume to:

Email: elanpharma@rpc.webhire.com indicating Job Code 50510041-ACS or FAX to Attn: Elan Pharmaceuticals, 800-295-2479
Elan Pharmaceuticals
700 Gateway Blvd.
South San Francisco, CA 94080

CHEMPLOYMENT ABSTRACTS 3547

Position Title: Scientist/Engineer

Job Description: Develop, validate & implement methods for electrochemical detection of enzyme activity in high throughput.

QUALIFICATIONS DESIRED

Education: MS or PhD, electrochem, electrical engrg or related field
Experience: At least 5 yrs exp in electrochem detection of enzyme activity. Exp with biosensors & a basic knowledge of biochem & enzymology essential.

LOCATION, SALARY, MAIL ADDRESS

Location: Redwood City
Salary: Commensurate with exp.
Description of Employer: Leader in design, development & application of directed evolution technologies to evolve new properties into single genes, multigene pathways, plasmids, viruses & genomes.
www.maxygen.com

Application Instructions: Send resume to:

jobs@maxygen.com or mail to:
Maxygen, Inc.
HR, Job Code NT-195
515 Galveston Drive
Redwood City, CA 94063
FAX: 650-298-5453





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SEPTEMBER 2001 NEWSLETTER TOPICS:

HST Images of Saturn's Rings
September Dinner Meeting
Chair's Message
Service Above and Beyond the Call of Duty
ACS-SCV Nominations for 2002
California Section's 100th Anniversary Celebration
Volunteers Needed for Planned National Historic
Chemical Landmark

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Newsletter Editor

Laura Rasay 650-859-4782
e-mail: laura.rasay@sri.com

FUTURE MEETINGS

Sep 6	Biodegradation of MTBE under Methanogenic Conditions <i>N. Calif. MTBE Committee</i>
Sep 12	Executive Committee Meeting
Sep 20	SCV Dinner Meeting Hubble Space Telescope <i>Dr. Jack Lissauer</i>
Oct 7-10	Defining the Proteomics Agenda Leesburg, VA
Oct 18	SCV Dinner Meeting Fizzics of Beer <i>Dr. Dick Zare</i>
Oct 27	California Section's Centennial Celebration Walnut Creek, CA
Oct 28-31	Western Regional Meeting Santa Barbara, CA
Nov 4-10	National Chemistry Week

CHEMPLOYMENT ABSTRACTS

Shirley B. Radding, Director
Phone: 408-246-2564 FAX: 408-296-8625
e-mail: sradding@att.net



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