

# Silicon Valley Chemist

Santa Clara Valley Section

American Chemical Society

Volume 24 No. 5

## JUNE DINNER MEETING Annual Family Picnic, Awards Ceremony, and Beer Tasting

The Santa Clara Valley Section will hold its annual Family Picnic, Awards Ceremony, and Beer Tasting on Saturday, June 29, 2002 at the Keck Chemistry Building on the Stanford campus. We will taste a variety of beers from ales to stouts, recommended by Dave Nehrkorn, our local section brew expert (see biography and abstract). He will answer your questions and guide you

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through your beer tasting experience.

The tasting will begin at 4:30 PM in the foyer of the Keck building. A family style picnic, catered by Sally and Howard Peters, will begin at 5:30 PM on the patio of the nearby Mudd Building. Recognition of the ACS 50-year members, Chem Olympiad Finalists, and the Awards for the Santa Clara Valley Section will follow dinner.

The price of the dinner and tasting will be \$15.00. Children ages 4 to 12 are only \$5.00. Dinner is free for children under the age of four. The deadline for reservations is Monday, June 24, 2002. Payment is required in advance, as we are not allowed to accept money on campus. Registration on our web site is not available for this informal, relaxed event. There is a large grassy area next to the Mudd Building where children can play. Bring blankets for eating picnic style. If you require more proper seating,

## Reminder May Dinner Meeting

This month's dinner meeting will be held on **May 23** starting at 6:30 PM. Bob Roudon and Phil Crews will be guiding our tastebuds with a variety of wines to taste and a discussion. The dinner meeting will be held at the Sundeck Restaurant in Menlo Park off of Sand Hill Road. To make your reservations, please contact Shirley Radding by phone 408-246-2564, by fax 408-296-8625, or fill out the registration form on the section web site [www.scvacs.org](http://www.scvacs.org) by **May 19th!** Hope to see you there!

please indicate this on your reservation form and we will arrange for some tables and chairs. Also, we need a crew of volunteers to help set up and clean up for this event. If you can help, please note this on the registration form.

### RESERVATION FORM

Annual Wine Tasting, Family Picnic and Awards Ceremony

Stanford University – Saturday, June 29, 2002    Deadline for Reservation – Monday, June 24, 2002

Name(s): \_\_\_\_\_ Telephone No.: ( \_\_\_\_\_ ) \_\_\_\_\_

No. of Reservations at \$15.00 ..... \_\_\_\_\_

No. of Children (age of 4-12) at \$5.00 ..... \_\_\_\_\_

**Total Amount Enclosed** .....\$ \_\_\_\_\_

Make check payable to: Santa Clara Valley Section – ACS

Mail check and reservation form to: Ms. Shirley Radding, 2994 Cottonwood Court, Santa Clara, CA 95051

Please check if you can volunteer:     I can help set-up     I can help clean-up

## June Dinner Meeting

# Beer Tasting and Science of Brewing

### *Biography and Abstract*

Our speaker and tasting leader is David Nehrkorn, PhD., who is in charge of the yeast fermentation project for BIO-MASS SYSTEMS, an East Bay company. Dr. Nehrkorn has been a beer brewer for many years and is

### **SCV-ACS Nominations 2002 Petition Candidates**

Petition candidates can be nominated by the membership.

Offices are: Chair-Elect, Secretary, Treasurer, Councilor, and Alternate Councilor

The requirements are:

- member (grade) of SCV Section
- Agreement to run for the office
- Agreement to attend Executive Committee meetings
- Signatures of 15 members (member grade) of the SCV Section
- Petitions along with a brief biography and statement must be received by August 1, 2002.

Mail nominations to:

Dr. Karl Marhenke  
1710 Wilshire Drive  
Aptos, CA 95003-2836

an authority on the subject. He offers the following information on beers of the world:

“It is important to mention that all beer can be divided into two types, ales and lagers. These are distinguished by the varieties of yeast that are used to ferment them. Ales are fermented at room temperature, and are top fermenting beers. Lagers are fermented around 40F, and are bottom

fermenting beers; after fermentation has been completed, the lagers are aged for a month at near freezing. This process is known as lagering; hence the name. Around the middle of the 1800s, brewers discovered that they could get a more consistent product this way, hence most of the world's brewers started producing lagers.”

The different types of beers for the tasting and discussion will be chosen from the following: Ales, Lagers, Pilsners, Stouts, Porters, and Steam Beers.

## Illustrating Nature

### **Exhibition of Student Works from the Science Illustration Program, UCSC**

**May 4 - June 9, 2002**

Santa Cruz boasts many remarkable attributes, not the least of which is UCSC's Science Illustration graduate program. Nestled in the redwoods, many of the nation's most accomplished science illustrators make their beginnings. After graduating, these students will go on to illustrate for such prestigious institutions as National Geographic, Smithsonian, Scientific American, and the American Museum of Natural History. Each spring, our community has a unique opportunity to view their astounding work when the Santa Cruz Museum of Natural History hosts Illustrating

Nature, an exhibit of exquisite botanical and zoological illustrations. The talented artists from UCSC's program depict everything from mammals to microbes in astounding detail. More than 60 elegant works in watercolor, acrylic, pen and ink, colored pencil, graphite, and scratchboard will be on view this year. You'll also have an opportunity to meet the artists and learn some of their trade secrets at a “how-to” demonstration on May 18, from 10 AM to 12 PM at the Museum of Natural History.

Illustrating Nature will be on view May 4 through June 9 at the Santa Cruz Museum of Natural History, 1305 East Cliff Drive, Santa Cruz. Museum hours are Tuesday through Sunday, 10 AM to 5 PM. For more information please call 831-420-6115.

The Santa Clara Valley Section co-sponsors Illustrating Nature along with the Santa Cruz City Museum of Natural History, the Santa Cruz Museum Association, the Science Communication Program, and Community Printers. UCSC is one of the few universities in the United States where a specialized program in scientific illustration is offered.

**Special Invitation for SCV-ACS members:** An opening reception for the exhibition will take place on Friday, May 3, from 7 to 9 PM at the Museum. All and any SCV-ACS members are welcomed to attend this special event.

## Chair's Message

This month's dinner meeting should be an enjoyable as well as an educational experience. We'll have a wine tasting and a lecture on wine making led by expert winemakers Bob Roudon and Phil Crews. For details, see the highlighted dinner meeting reminder on the front page. In June, we'll hold our annual picnic and awards ceremony at Stanford University. The dinner meetings will then go on hiatus for the rest of the summer. They will start again in September when Stanford's Professor Hongjie Dao will talk on carbon nanotubes (details will appear in future newsletters).

As we look forward to next fall, it is worth noting that National Chemistry Week will begin a week early this year. Instead of being the first full week in November, it will be the last full week in October (October 20-26). The theme this year will be “Chemistry Keeps Us Clean.” Our section along with local sections around the country will hold educational events and activities for school children and the general public. We'll focus on the chemistry and action of detergents, soaps, and other chemical aspects of cleanliness. Our National Chemistry Week coordinator this year is Asfia Qureshi (asfiaq@yahoo.com). If you have suggestions or are interested in volunteering, please contact Asfia. More information about National Chemistry Week is available at:

<http://chemistry.org/portal/Chemistry?PID=acsdisplay.html&DOC=ncw%5Cindex.html>

Jon Touster

# More Patent Truths

1. All U.S. patents are issued on Tuesday - holidays included.
2. U.S. patents are effective at noon on the Tuesday they are issued and are enforceable until midnight of the day they expire. That extra 12-hour period for Karl Ziegler's patent on polymer formation from olefins was worth an additional \$150,000 in royalties. Of course, it had to be litigated and the lawyers got most of it. I love a story with a happy ending.
3. The U.S. is the only country to have a "grace period" of one year after disclosure to file a valid patent application as part of their patent law. The rest of the world observes an "absolute novelty" policy: any enabling disclosure, sale, brochure, etc. destroys novelty and all possible patent rights - as soon as it occurs.
4. The Stanley Cohen- Herbert Boyer gene splicing patent shared between Stanford and UC San Francisco (U.S. patent #4,237,224) is one of the world's most profitable patents from a government sponsorship and an university laboratory. When it expired in December 1997, the royalty income totaled over \$300 million. The first U.S. patent application was filed in the 12th month of the "grace period" with days before all potential U.S. patent rights would have been lost forever. There are no foreign equivalent patents because the technology had been published. The Stanford Alumni Magazine December 1997 had a related cover story titled "The Day the World Stood Still".
5. The U.S. patents filed now are enforceable for 20 years from the date of filing of the first application or from 17 years from date of issue - which ever is longer. This change occurred in 1995.
6. The U.S. is the only country to still have a first-to-invent patent system. That is why accurate laboratory notebook records and diligence are very important. The rest of the

- world is on a first-to-file basis: the first (and true) inventor is the one who first files the patent application. I predict that the U.S. will have a first-to-file within 10 years.
7. If the first-to-file system had been in place in the U.S. in 1883, the aluminum industry would now be a French industry. In April 1886, Frechman Paul Heroult first filed for the electrolysis process to remove aluminum metal from bauxite. In July of the same year, Charles Martin Hall filed his U.S. patent application for the same technology in the U.S. Under the existing law, Heroult could only use his filing date in the France (which was earlier than Hall's) but had no prior laboratory data. In the U.S., Hall was declared the first inventor because he could use his laboratory notebooks to establish that he practiced his invention in February 1886. Heroult received rights in the rest of the world and Hall received the U.S. rights in U.S. patent #400,665. Hall's company soon moved to the U.S. high technology center in 1889 (Pittsburgh, Pennsylvania) where ALCOA was formed shortly thereafter. Hall was the first chemist to be inducted into the National Inventors Hall of Fame in 1976.
  8. Thomas Midgley, Jr. was trained as a mechanical engineer and not a

chemist. Charles Kettering asked him to solve the knocking problem with gasoline in the '20s. On February 23, 1926, the U.S. patent #1,573,846 for tetraethyl lead gasoline additive was issued and the Ethyl Corporation was formed.

Lead was later removed from gasoline in the 1970's because it poisoned the metals in catalytic converters. And you thought it was removed because of the health hazard.

9. Refrigeration in the 1920's was hazardous. Kettering wanted a new and safe refrigerant; Thomas Midgley obliged. In 1929, Midgley attended an ACS meeting with the new FREON (U.S. patent #1,886,339; issued December 31, 1928) in a container and a candle. On stage, he breathed in a lung full of FREON and exhaled the FREON to extinguish the burning candle. Thus, he proved that the dichlorodifluoromethane was non-toxic and non-flammable. Could you see this being done now?? This discovery ushered in the commercial refrigeration industry of the 1930's. Now these same FREONS have been banned because of their interaction problems with the earth's ozone layer.

Do you have any patent truths to share? Contact Howard Peters at [peters4pa@aol.com](mailto:peters4pa@aol.com)

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## Editor's Corner

Have you ever wondered how many technical divisions are there in the ACS? Can you believe that there are 35?! When you think about it, it makes sense since chemistry is all around us. Have you ever been curious about what each division does or thinks of? Starting next month, I will begin a column to introduce you to most, hopefully all, of the individual divisions through interviewing the division chairs. Since I joined the ACS, I have been interested in understanding the different aspects of chemistry/the ACS and now we can learn about them together.

In addition to what the ACS and its technical divisions offer, there are other local opportunities to continually learn about chemistry and science in general. For example, the Palo Alto Chapter of the Association of Women in Science holds monthly meetings that are free and open to the general public, not only women. Check out their web site at [www.pa-awis.org](http://www.pa-awis.org) for more information.

# CHEMPLOYMENT ABSTRACTS — MAY 2002

## CHEMPLOYMENT ABSTRACTS 3618

*Position Title:* Chemistry Research Associates  
(3 positions)

*Job Description:* Demonstrated abilities in syn org chem. As part of a multidisciplinary proj team will conduct syn, isolation & characterization of target molecules for biol evaluation. Maintain a detailed lab notebook of results & provide oral & written communication of data & results.

### QUALIFICATIONS DESIRED

*Education:* BS/MS

*Experience:* 1-3 yrs exp in biotech/pharm industry. Exp in design & syn of org cpds. Ability to perform multi-step syn on mg to gram scale. Knowledge of modern analytical techniques & instrumentation for isolation & identification of org cpds is required. Exp with solid phase synthesis is helpful. Excellent written & verbal communication skills & ability to work independently & also in a team-based environment a must.

### LOCATION, SALARY, MAIL ADDRESS

*Location:* San Francisco

*Description of Employer:* A rapidly growing SF company focused on therapeutic small molecule drugs

Application Instructions: Send resume to:

Email: Sylvvia@qualtechsearch.com  
or QualTech Search, Inc.  
9740 Scranton Road, Suite 150  
San Diego, CA 92121  
858-505-0090  
FAX: 858-505-0290

## CHEMPLOYMENT ABSTRACTS 3619

*Position Title:* Staff Scientist - Chemistry

*Job Description:* Affymax is seeking a dynamic & creative individual with ability to work independently & plan synthetic methodologies in designing novel drug candidates.

### QUALIFICATIONS DESIRED

*Education:* PhD, org/medicinal chem

*Experience:* Min 3 yrs of industrial exp. Exp with solid phase org synthesis is highly desirable. Also required exp includes high thruput purification techniques & related analytical technol.; exp in modern analytical techniques & knowledge of current advances; knowledge of modern computational tools pertaining to structure activity relationships and drug discovery, excellent interpersonal & oral/written communication skills; & currency with literature & recent developments in drug discovery.

### LOCATION, SALARY, MAIL ADDRESS

*Location:* Palo Alto

*Salary:* Competitive salary & benefits

*Description of Employer:* Leading drug discovery corp.

Application Instructions: Send CV with Job Code:

ABA001 to:  
career@affymax.com or  
Affymax, Inc., Human Resources  
Attn: Richard Llewellyn  
4001 Miranda Avenue  
Palo Alto, CA 94304

## CHEMPLOYMENT ABSTRACTS 3620

*Position Title:* Research Associate - Chemistry

*Job Description:* As part of team, you will report to staff scientist & will be responsible for synthesis of bioactive molecules using solid & soln phase chemistries, together with sophisticated library generation technologies.

### QUALIFICATIONS DESIRED

*Education:* MS or BS chem

*Experience:* Min 1 yr industrial exp in org synthesis; other required exp includes: cpd purification using various anal techniques including HPLC, LCMS, & NMR; familiarity with database search tools & excellent interpersonal & oral/written skills.

### LOCATION, SALARY, MAIL ADDRESS

*Location:* Palo Alto

*Salary:* Competitive salary & benefits

*Description of Employer:* Leading drug discovery corp.

Application Instructions: Send CV with Job Code:

ABA002 to: career@affymax.com or  
Affymax, Inc., Human Resources  
Attn: Richard Llewellyn  
4001 Miranda Avenue  
Palo Alto, CA 94304

## CHEMPLOYMENT ABSTRACTS 3621

*Position Title:* Laboratory Technician

*Job Description:* GC sample prep, pesticide residue analysis & microbiological testing.

### QUALIFICATIONS DESIRED

*Education:* BS degree.

*Experience:* Microbiology and/or chemistry background; basic laboratory skills. Experience with GC/HPLC desirable. Demonstrated discipline with record keeping and reasonable communication skills.

### LOCATION, SALARY, MAIL ADDRESS

*Location:* Monterey area (Salinas) right off Hwy 101.

*Salary:* Competitive salary and benefits.

*Employer Description:* Analytical laboratory doing food analyses, microbiological and pesticide residue analysis.

Application: Send resume to:

Richard Todd  
Analytical Biochem, Inc.  
P.O. Box 6278  
Salinas, CA 93912  
Fax: (831) 758-2625  
Email: rtodd@trece.com

## CHEMPLOYMENT ABSTRACT 3622

*Position Title:* Analytical Chemist

*Description:* Food analyses: formulations, GC, & HPLC detn of components & pesticide residue in foods.

### QUALIFICATIONS DESIRED

*Education:* BS or MS in Chemistry

*Experience:* Chemistry; Minimum three years analytical laboratory experience. Exp with GC/HPLC/troubleshooting. GC/MS experience with instrumentation a plus. Demonstrated discipline w/ record keeping and reasonable communication skills.

### LOCATION, SALARY, MAIL ADDRESS

*Location:* Monterey area (Salinas)right off Hwy 101.

*Salary:* Competitive salary and benefits package.

*Employer Description:* Analytical laboratory doing food testing; microbiological and pesticide residue tests.

Application: Submit resume and salary requirements to:

Richard Todd  
Analytical Biochem, Inc.  
P.O. Box 6278  
Salinas, CA 93912  
FAX: (831) 758-2625  
Email:rtodd@trece.com

## CHEMPLOYMENT ABSTRACT 3624

*Position Title:* Research Associate, II/III - Medicinal Chemistry

*Description:* Responsible for the purity analysis and structure confirmation of compounds, will implement/maintain analytical and semi-preparative LC/MS instrument. Additional responsibilities include purity determination and structure confirmation of submitted samples using LC/MS, developing methods for analyzing structural types, submitting samples for registration, maintenance of LC/MS system and input of analytical data using ISIS databases.

### QUALIFICATIONS DESIRED

*Education:* Res Assoc II: BS or equiv in Chem & 3-5 yrs exp or MS and 1-3 yrs of exp. Res Assoc III: BS/MS or equiv in Chem & 5+ yrs of exp with specialized coursework in instrumental analysis, analytical & org chem.

*Experience:* Must have excellent working knowledge of HPLC & MS techniques and work creatively on multiple programs. Lab computer familiarity is also required. Exp with LC/MS, lab automation, combinatorial chemistry/parallel synthesis is preferred.

### LOCATION, SALARY, MAIL ADDRESS

*Location:* Palo Alto,

Visit our website at <http://paloalto.roche.com>.

Application: Send resume, indicating Job Code 2492-ACS, to: paloalto.hr\_staffing@roche.com

## CHEMPLOYMENT ABSTRACTS 3625

*Position Title:* Research Associates/Sr. Research Associates Medicinal Chemistry

*Job Description:* Will apply strong knowledge of modern synthetic org chem & org practical skills to various lab assignments.

### QUALIFICATIONS DESIRED

*Education:* BS/MS with relevant lab exp required

*Experience:* Along with modern synthetic org chem exp, will need excellent org practical skills.

Independent work skills are a must. Relevant med exp in pharmaceutical industry would be an advantage.

### LOCATION, SALARY, MAIL ADDRESS

*Location:* South San Francisco

*Salary:* Comprehensive benefits package

*Description of Employer:* An established pharmaceutical company focused on research & development of novel human medicines.

Application Instructions: Send resume to:

Advanced Medicine  
Human Resources  
Job Code 02-005RA  
901 Gateway Blvd.  
South San Francisco, CA 94080  
Email: resume@advmedicine.com  
FAX: 650-808-6121

## CHEMPLOYMENT ABSTRACTS 3626

*Position Title:* Scientists, Medicinal Chem

*Job Description:* As part of our integrated, multidisciplinary discovery team, you will design & synthesize novel drug candidates.

### QUALIFICATIONS DESIRED

*Education:* PhD synthetic org chem

*Experience:* Postdoctoral and/or industrial exp preferred

### LOCATION, SALARY, MAIL ADDRESS

*Location:* South San Francisco

*Salary:* Comprehensive benefits package

*Description of Employer:* An established pharmaceutical company focused on research & development of novel human medicines.

Application Instructions: Send resume to:

Advanced Medicine  
Human Resources  
Job Code 02-005SC  
901 Gateway Blvd.  
South San Francisco, CA 94080  
Email: resume@advmedicine.com  
FAX: 650-808-6121

## CHEMPLOYMENT ABSTRACTS 3627

*Position Title:* Associate Chemist

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

### QUALIFICATIONS DESIRED

*Education:* BS/BA or MS/MA 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  
850 Maude Avenue  
Mountain View, CA 94043  
FAX: 650-526-3034

## CHEMPLOYMENT ABSTRACTS 3628

*Position Title:* Research Associate, Chemistry

*Job Description:* Design, synthesis, & characterization of a wide variety of org compounds like heterocyclic compounds, lipids, & polymers. Ability to use & maintain NMR. Detailed study report writing.

### QUALIFICATIONS DESIRED

*Education:* M.S. synthetic org or medicinal chem with 2 to 5 years of industrial exp

*Experience:* Exp with lipid synthesis is preferred. Exp as a team player with the ability to do chiral synthesis & characterization. Strong skills in interpretation of NMR, IR, and mass spectral data. Exp with periodic cryogen filling. Extensive exp in semi preparative & preparative HPLC and other preparative chromatographic techniques is essential. Online literature search, collect data & design & execute org chem experiments Excellent presentation and writing skills.

### LOCATION, SALARY, MAIL ADDRESS

*Location:* Palo Alto

*Salary:* Competitive Salary and Benefits, DOE.

*Description of Employer:* Targesome is a leading company in the development of targeted therapeutic drugs. EOE.

Application: Please submit your resume via e-mail to: jobs@targesome.com  
No fax/phone calls please.

## CHEMPLOYMENT ABSTRACT 3629

*Position Title:* Research Associate I/II/III Metabolism/Bioanal Chemistry

*Job Description:* Exptl work to support identification of analytes in biol samples & help detn metabolic characteristics of new compds in animals & humans. Develop & validate anal methods for identification & quant of drugs in biol samples, help design pharmacokinetic & metabolic studies, analyze samples & document results. Present reports to the dept & outside of the department.

### QUALIFICATIONS DESIRED

*Education:* Requires BS/MS in Chem, Biol or Biochem & basic knowledge of chem, biochem, and lab tech, instruments and computers unique to this position. RAI: Requires a BS with up to 3 yrs of exp. RAIL: Requires a BS with 3-5 yrs exp or MS with 1-3 yrs. RAIIL: Requires a BS/MS & 5+ years of experience.

*Experience:* Should be detail oriented with excellent communication, problem solving and documentation skills. Exp with HPLC, cell/tissue culture, biol sample handling, immunoassay, mass spect, automated high-throughput analysis and robotics is preferred.

### LOCATION, SALARY, MAIL ADDRESS

*Location:* Palo Alto

Application Instructions: To apply, send your resume, indicating Job Code 2442-ACS, to paloalto.hr\_staffing@roche.com  
<http://paloalto.roche.com>.

## CHEMPLOYMENT ABSTRACTS 3630

*Position Title:* Sr. Scientist, Peptide/Protein Chemist Job Code: DL 05-SPPP

*Job Description:* We are seeking a highly motivated PhD scientist to join our Technology Development team. The Technology Development group discovers and develops innovative methods that contribute to Gryphon's comprehensive approach to chemically synthesized protein therapeutics.

### QUALIFICATIONS DESIRED

*Education:* PhD in Chem or Biochem

*Experience:* 2-3 yrs exp in Biotech Industry or a combination of industry and post-doctoral work in a related area. Exp relating to synthesis of peptides or other complex org mole on solid phase. Exp with small mol org synthesis, solid phase org chem &/or combinatorial chem a plus. A strong background in the chem of peptides &/or proteins. Excellent communication & writing skills

### LOCATION, SALARY, MAIL ADDRESS

*Location:* South San Francisco

*Salary:* competitive compensation & benefits package & project team-based work environment. An equal opportunity employer.

Application Instructions: Send resume to:

Gryphon Sciences, Inc. Attn: HR Manager  
250 East Grand Ave, Suite 90  
South San Francisco, CA 94080  
Telephone: 650-952-7714 FAX: 650-952-3055  
Email: resume@gryphonsci.com

# CHEMPLOYMENT ABSTRACTS — MAY 2002

## CHEMPLOYMENT ABSTRACTS 3631

*Position Title:* GMP Production Manager/Assoc. Dir. Job Code: LG 01-GPM

*Job Description:* Member of company's GMP Manufg dept to produce therapeutic peptide prods for clinical & toxicol studies. Responsible for day-to-day clean (class 10,000) room operations to ensure peptide prod (via chem methods) is on schedule. Work with the Proc Development group to implement proc changes to syn & purification steps as needed (tech trans). Peptide ligation & folding, HPLC based purifn, conc/diafiltration. Write, review & revise SOP's & MPR's. Generate & distribute prodm schedules. Implement facility modifications to ensure GMP compliance.

### QUALIFICATIONS DESIRED

*Education:* PhD, MS, BS org chem, chem, or related field 10+ yrs ind exp with a BS or MS; 5+ yrs ind exp with a PhD  
*Experience:* 3+ yrs of hands-on exp with cGMP manfg. Exp in peptide syn, protein folding & purifn, & supervision of GMP prodm. Good communication skills

### LOCATION, SALARY, MAIL ADDRESS

*Location:* South San Francisco

*Salary:* competitive compensation & benefits

*Application Instructions:* Send resume to: Gryphon Sciences, Inc. Attn: HR Manager  
250 East Grand Ave, Suite 90  
South San Francisco, CA 94080  
Telephone: 650-952-7714 FAX: 650-952-3055  
Email: resume@gryphonsci.com

## CHEMPLOYMENT ABSTRACTS 3632

*Position Title:* Sr. Scientist, Peptide/Organic Chemist Job Code: LM 01-SSPOC

*Job Description:* Develop state-of-the-art methods for synthesis of highly bioactive proteins for therapeutic application. Innovative scientist with exp in modern soln & solid-phase peptide & organic chemistry. Conceive & plan efficient syn routes to moles of interest. Isolate & characterize prods using state-of-the-art techniques.

### QUALIFICATIONS DESIRED

*Education:* Ph.D. in Chem, Org Chemistry  
*Experience:* 2 yrs ind or post-doctoral exp is required. Knowledge of or exp with HPLC, NMR, &/or Mass Spect, Sound knowledge of syn org chem, Strong background in the chem syn of peptides & proteins, Strong interest in protein chem, Ability to work on multidisciplinary teams

### LOCATION, SALARY, MAIL ADDRESS

*Location:* South San Francisco

*Salary:* competitive compensation & benefits package & project team-based work environment. An equal opportunity employer.

*Application Instructions:* Send resume to: Gryphon Sciences, Inc. Attn: HR Manager  
250 East Grand Ave, Suite 90  
South San Francisco, CA 94080  
Telephone: 650-952-7714  
FAX: 650-952-3055  
Email: resume@gryphonsci.com

## CHEMPLOYMENT ABSTRACTS 3633

*Position Title:* Sr. Scientist, Analytical, Job Code: LG 03-SSA

*Job Description:* Leader & key team member within the company's prog to develop analytical methods to support the API production, formulation development & manufacturing, & the assessment of quality & purity of GMP materials. Develop & transfer anal methods for API's & drug prods. Provide support for proc development, prodm & formulation studies, Characterize structure of API's & side products

### QUALIFICATIONS DESIRED

*Education:* Ph.D. anal chem, chem, biochem & 3+ yrs of industrial experience  
*Experience:* Exp in anal techniques for characterization of protein therapeutics such as HPLC, SDS-PAGE, peptide mapping map, amino acid sequencing, & other related assay methods, knowledge of GMP & regulatory filings is a plus, Excellent communication & writing skills

### LOCATION, SALARY, MAIL ADDRESS

*Location:* South San Francisco

*Salary:* competitive compensation & benefits package & project team-based work environment. An equal opportunity employer.

*Application Instructions:* Send resume to: Gryphon Sciences, Inc. Attn: HR Manager  
250 East Grand Ave, Suite 90  
South San Francisco, CA 94080  
Telephone: 650-952-7714 FAX: 650-952-3055  
Email: resume@gryphonsci.com

## CHEMPLOYMENT ABSTRACTS 3634

*Position Title:* Scientist, Peptide/Protein Chemist Job Code: LM 02-SPPC

*Job Description:* The Peptide/Protein Chemist will be part of a team that synthesizes highly bioactive peptide proteins for therapeutic application. We are seeking a candidate with experience with protein purification & folding, & peptide chemistry.

### QUALIFICATIONS DESIRED

*Education:* B.S. Org or Peptide Chem with 3 yrs of ind &/or res exp, or M.S. with 2 yrs of res exp  
*Experience:* 2 yrs of practical exp with routine lab instrumentation e.g., anal/prep HPLC, mass spect, & electrophoresis, knowledge of basic peptide syn, exp in purifying proteins, ability to multitask in a lab environment.

### LOCATION, SALARY, MAIL ADDRESS

*Location:* South San Francisco

*Salary:* competitive compensation & benefits package & project team-based work environment. An equal opportunity employer.

*Application Instructions:* Send resume to: Gryphon Sciences, Inc. Attn: HR Manager  
250 East Grand Ave, Suite 90  
South San Francisco, CA 94080  
Telephone: 650-952-7714  
FAX: 650-952-3055  
Email: resume@gryphonsci.com

## CHEMPLOYMENT ABSTRACTS 3635

*Position Title:* Scientist, Peptide Synthesis (2 openings) Job Code: NC 01-SPS

*Job Description:* Scientist will be a key team member within the peptide syn group. Responsible for syn, purifn & characterization of high purity syn peptides. Perform automated & manual solid phase peptide syn, perform post-syn modifications, perform prep scale HPLC purifn, work closely with Research & Technol Development groups, provide tech support for peptide outsourcing efforts, generate procedures, check-lists & protocols as needed, perform routine maintenance of lab equipment.

### QUALIFICATIONS DESIRED

*Education:* B.S., M.S. chem, biochem, or biochem engr  
*Experience:* Min 3 yrs of biotech ind exp. Must have knowledge of ES-MS & must know HPLC in anal characterization of peptides. Exp with HF cleavage a plus. Must have excellent communication skills & a demonstrated ability to contribute in a team environ.

### LOCATION, SALARY, MAIL ADDRESS

*Location:* South San Francisco

*Salary:* competitive compensation & benefits package & project team-based work environment.

*Application Instructions:* Send resume to: Gryphon Sciences, Inc. Attn: HR Manager  
250 East Grand Ave, Suite 90  
South San Francisco, CA 94080  
Telephone: 650-952-7714 FAX: 650-952-3055  
Email: resume@gryphonsci.com

## CHEMPLOYMENT ABSTRACTS 3636

*Position Title:* Application Engineer

*Job Description:* Responsible for tech proj both internal & external to JSR. Work on resist development, proc development & integration activities for JSR mats. Support sales efforts by prep tech data & presentations. Evaluate new mats at Sunnyvale Plant. Occasional support & take part in tech evaluations at customer sites. Prepare customer repts & distribute to Tech Management & other application engns & techs. Internal trouble-shooting of prods related to JSR prods. Attend ind tech confs. Train & act as mentor for QC & application techs.

### QUALIFICATIONS DESIRED

*Education:* BS Chem, Phys, Engrg field.  
*Experience:* Min 3 yrs related exp or 5 or more years exp as an Engr or Scientist in lithography. Trouble-shooting skills & understanding of basic chem. Knowledge of computers & statistics applied to semi-conductor manufg. Knowledge of semi cond photolithographic proc equipment is mandatory.

### LOCATION, SALARY, MAIL ADDRESS

*Location:* Sunnyvale

*Salary:* 85K Annually  
*Description:* JSR Microelectronics, Inc makes photoresists related prods for use in semiconductor manufg

*Application Instructions:* Submit your resume as Word attachment to email with Job Title in subject line to: mmatos@jsrusa.com

## CHEMPLOYMENT ABSTRACTS 3637

*Position Title:* Development Engineer

*Job Description:* Responsible for tech proj internal & external to JSR. Work on resist development, proc development & integration activities pertaining to JSR mats. Assist with development of new products. Support sales efforts by prep tech data & presentations. Evaluate new mats at Sunnyvale Plant. Occasional support & participate in tech evaluations at customer sites. Prep customer repts & distribute to Tech Management & other application engns & techs. Internal trouble-shooting of problems related to JSR products.

### QUALIFICATIONS DESIRED

*Education:* BS Chem, Phys, Engrg.  
*Experience:* Min 3 yrs related exp or 5+ yrs exp as an Engr or Scientist in lithography. Good trouble shooting skills & understanding of basic chem. Knowledge of computers & statistics applied to semi-conductor manufacturing. Knowledge of semiconductor photolithographic processing equipment is mandatory.

### LOCATION, SALARY, MAIL ADDRESS

*Location:* Sunnyvale

*Salary:* 85K Annually  
*Description of Employer:* JSR Micro-electronics, Inc makes photo-resists related prods for use in semiconductor manufg

*Application Instructions:* Submit resume as Word attachment to email with Job Title in subject line to: mmatos@jsrusa.com

## CHEMPLOYMENT ABSTRACTS 3638

*Position Title:* Production Engineer

*Job Description:* Performs process-engineering functions under the guidance of the Production Manager. Perform Process Engineering Functions; Monitor & collect process data for analysis. Assist in development of process studies in order to optimize process parameters. Participate in quality improvement program. Adhere to all plant safety and environmental policies.

### QUALIFICATIONS DESIRED

*Education:* BS or MS, Chemical Engineering.  
*Experience:* Min 1 yr integration or process engineering experience. Must be detail oriented and highly analytical.

### LOCATION, SALARY, MAIL ADDRESS

*Location:* Sunnyvale

*Salary:* \$50K annually  
*Description of Employer:* JSR Microelectronics, Inc. designs, manufactures, sells, distributes and services photoresists and other related products used in the manufacture of semiconductors.

*Application Instructions:* Please submit a resume as Word attachment to email that includes the position title in the subject line to: mmatos@jsrusa.com

## CHEMPLOYMENT ABSTRACTS 3639

*Position Title:* Synthetic Chemist

*Job Description:* Perform synthesis, run analysis & interpret data for development of new colloidal inks. Will be expected to work closely with senior scientists & maintain a lab notebook.

### QUALIFICATIONS DESIRED

*Education:* BS/MS chemistry  
*Experience:* 1 yr in the handling & manipulation of air-sensitive compounds using Schlenk-line & glove-box techniques. Experience in optical spectroscopy, FTIR, HPLC, NMR & thermal analysis.

### LOCATION, SALARY, MAIL ADDRESS

*Location:* Redwood City

*Salary:* Competitive salary  
*Description of Employer:* NanoTechnica is a brand new Kleiner-Perkins backed startup developing electronics using colloidal inks of inorganic nanoparticles.

*Application Instructions:* For immediate consideration, please Email your resume to: jobs@print-this.com

## CHEMPLOYMENT ABSTRACT 3670

*Position Title:* Organic Chemistry Instructor

*Job Description:* A part-time instructor is needed to teach the organic chemistry lecture and laboratory sections for a year-long organic chemistry course. The fall semester begins Wednesday August 28, 2002, and ends Friday December 13, 2002. The spring semester begins Wednesday January 8, 2003, and ends Friday May 2, 2003.

### QUALIFICATIONS DESIRED

*Education:* Ph.D. in chemistry.  
*Experience:* Prior teaching experience strongly preferred.

### LOCATION, SALARY, MAIL ADDRESS

*Location:* Belmont, CA

*Description of Employer:* Founded in 1851, Notre Dame de Namur University is a dynamic institution whose reputation for excellence and commitment to the development of the whole person comes from its heritage as a Catholic institution.

*Application Instructions:* Please contact Dr. Elizabeth Center, Chair, Department of Natural Sciences Notre Dame de Namur University 1500 Ralston Avenue Belmont, CA 94002 Phone: (650) 508-3553 Fax: (650) 508-3736 email: ecenter@ndnu.edu

## CHEMPLOYMENT ABSTRACT 3671

*Position Title:* Quality Control Chemist II/III

*Job Description:* Perform routine chem & phys assays on raw mats, in-process mats & final prods. Review & verify tests. Collect, calculate, & compute data, analyze & submit interpreted results to manager for disposition; report abnormalities at once; investigate, analyze & resolve problems; write nonconformance reports. Evaluate & improve techs & assays. Review & revise SOP's as needed. Coordinate use, calibration & maintenance of instruments.

### QUALIFICATIONS DESIRED

*Education:* BS/BA in Chem, Biochem, or related field.  
*Experience:* Min. 2-3 yrs of recent exp in a QC environment & have a thorough understanding of cGMP & GLP guidelines. Min. 2-3 yrs of recent, continuous hands-on HPLC exp, pharm exp or have worked in a pharm co. Must be detail oriented, flexible, team player, & possess leadership skills.

### LOCATION, SALARY, MAIL ADDRESS

*Location:* Cupertino

*Description of Employer:* DURECT Corp is pioneering development & commercialization of pharm systems for treatment of chronic debilitating diseases & enabling biotech-based pharm products.

*Application Instructions:* Send resume to: DURECT Corp., HR www.durect.com 10240 Bubb Road Cupertino, Ca. 95014 FAX: 408-777-3577 Email: jobs@durect.com





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#### MAY 2002 NEWSLETTER TOPICS:

June Dinner Meeting: Annual Family Picnic, Award Ceremony,  
and Beer Tasting

Reminder: May Dinner Meeting

Beer Tasting and the Science of Brewing

Chair's Message

Illustrating Nature

SCV-ACS Nominations for 2002 Petition Candidates

More Patent Truths

Editor's Corner

#### CHEMPLOYMENT ABSTRACTS



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## SANTA CLARA VALLEY SECTION

### 2002 Section Officers

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Secretary: <b>Karl Marhenke</b>	831-479-6263	<a href="mailto:karlmar@armory.com">karlmar@armory.com</a>
Treasurer: <b>Hong Gao</b>	650-564-5197	<a href="mailto:hong.gao@alza.com">hong.gao@alza.com</a>
Past-Chair: <b>Sally Peters</b>	650-812-4994	<a href="mailto:speters@parc.xerox.com">speters@parc.xerox.com</a>

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### ChemEmployment Abstracts

Director: **Shirley B. Radding** 408-246-2564 [sradding@att.net](mailto:sradding@att.net)

## FUTURE MEETINGS

<b>May 23</b>	Wine Tasting Sundeck Restaurant Menlo Park, CA
<b>Jun 8-12</b>	28th National Medicinal Chemistry Symposium
<b>Jun 10-14</b>	37th National Organic Symposium San Diego, CA
<b>Jun 29</b>	Annual Family Picnic and Awards Ceremony Stanford Chemistry Department
<b>Aug 18-22</b>	ACS National Meeting Boston, MA
<b>Sep 21</b>	SVC Dinner Meeting <i>Dr. Hongjie Dao</i> Stanford University

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