

# Silicon Valley Chemist

Santa Clara Valley Section

American Chemical Society

Volume 26 No. 10

## Public Perception of Chemistry

Dr. William Carroll

### Abstract

After a successful election, the person designated as ACS President-Elect starts the process of defining an agenda and preparing for an active year as President. Over the course of 2004, I have carried on discussions with hundreds of members on issues that they perceive are important. I would like to continue those discussions with the members of the Santa Clara Valley section during your 50th anniversary celebrations.

The initial focus of the after dinner dialog will be "The Public Perception of Chemistry." We all know that chemistry has brought more benefit to humanity than any other scientific discipline; however, the public and occasionally the government forget this. How can we



bring the benefits of chemistry back to the public eye?

If time permits, I would also like to delve into pre-college education and educators' issues. Sixty per cent of high school students take chemistry, but few take it from a trained chemist. On

the other hand, most career chemists cite an early teacher as their inspiration for their career. How do we get more chemists into the classroom?

### Biography

Dr. William F. Carroll, Jr. holds a B.A. in Chemistry and Physics from DePauw University, Greencastle, IN, an M.S. from Tulane University in New Orleans, and a Ph.D. from Indiana University, Bloomington, IN, both in Organic Chemistry. He started his industry career in 1978 with Rohm and Haas Company, Bristol, PA, and moved to Firestone Plastics Company in Pottstown, PA as Manager of Research and Development in 1979. After Firestone's PVC operations were acquired by OxyChem, he became Director of Technology for PVC Resins and Compounds with responsibility for R&D, Technical Service, Pilot

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## October Dinner Meeting

**Date:** Thursday, October 21, 2004

**Time:** 6:00 PM Social Hour  
7:00 PM Dinner  
8:00 PM Lecture

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

**Speaker:** Dr. William Carroll  
President Elect of the  
American Chemical Society

**Cost:** \$27.00 with the choice of  
Filet of Salmon or Eggplant  
Parmesan. Wine is included  
with dinner

**Reservations:** [www.scvacs.org](http://www.scvacs.org)  
Shirley Radding  
408-246-2564  
408-296-8625 Fax

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

If you are unable to honor your reservation and do not cancel by Wednesday, October 20th, you will be invoiced following the dinner meeting.

## Upcoming Dinner Meetings

For November and December, there will be no monthly dinner meetings. Our October meetings will be the last for 2004! Register while there still is time!

## Receive the Newsletter Early!

See <http://www.scvacs.org/newsletter/> for details.

continued from front page

Plant, and Technical Licensing.

In September, 1989, Dr. Carroll was named Director of Commercial Development for Polymers and Plastics, and primarily worked in recycling, then in 1994 began two years on loan to the Chlorine Chemistry Council (CCC) in Washington, DC. He is currently Vice President, Chlorovinyl Issues for OxyChem and works on public policy issues and communications related to chlorine and PVC. He is also Adjunct Professor of Chemistry at Indiana University, Bloomington, Indiana and teaches polymer chemistry there.

Dr. Carroll is 2004 President-Elect of the American Chemical Society, a member of the Budget and Finance Committee, and past chair of the International Activities Committee. He is a Fellow of the Royal Society of Chemistry, a member of the U.S. National Committee for the International Union of Pure and Applied Chemistry, and a member of the Science Advisory

Board for DePauw University.

He has been an active member of and chaired various committees for a number of chemistry, plastics, fire protection and recycling organizations. He has served on expert groups commissioned by the United Nations Environmental Program, and the states of Florida, and Oregon. He received

the Vinyl Institute's Roy T. Gottesman Leadership Award for lifetime achievement in 2000.

He holds two patents, and has over forty publications in the fields of organic electrochemistry, polymer chemistry, combustion chemistry and physics, incineration, plastics recycling and chlorine issues.

## An Invitation to the Junior College Chemistry Professors and Students

The Executive Committee of the SCV-ACS would like to specifically invite you and your students to meet with William Carroll while he is here in the Silicon Valley. He will be meeting with professors and students Thursday afternoon at San Jose State University and Friday afternoon at Santa Clara University. For more specifics contact Dr. Maureen Scharberg at SJSU or Dr. Linda Brunauer at SCU. Their contact information is in the Councilor information on the cover of this newsletter.

You are also welcome to attend the dinner and/or luncheon. Four students from each school can attend the Thursday night dinner as guests of the section. For more information, contact Shirley Radding.

## Chair's Message

Last month, I was commenting on the passage of time and you know what? It's October already! And, it's the month that the Executive Committee decided to celebrate our Section's 50-year Anniversary. To help us celebrate, Dr. William Carroll will be our guest at the October dinner meeting and the Founder's Luncheon. As you know, Dr. Carroll is the 2004 President-elect of the ACS and we are honored he accepted the invitation to join in our celebration. While in the Bay Area, he will be talking about things that matter to all of us: Chemistry, Science Education, Changes in the Chemistry Enterprise, and what these changes will bring us in the next 10, 20 or even 50 years. Certainly, there are many challenges that await us. Think of what has happened during the 50 years we have been a Section of ACS where chemistry was involved. Seems like most everything! I encourage everyone who can to attend the dinner meeting

and Founders Luncheon. Make your reservations on the website or call Shirley Radding before they fill up.

As you will see in the SV Chemist, National Chemistry Week is October 17th - 23rd. Plan on attending the Sally Ride Festival where our Section will have a booth set up with giveaways that celebrate chemistry and health and wellness, the theme of NCW. The NCW planning committee has done a great job in putting all this together. If you are a college student reading this, check out the career events that will be held during NCW; Notre Dame, Cabrillo and Canada Colleges are participating.

Stand by for the Section Member Survey and be sure to vote for the slate of candidates on the ballot for 2005. October 20th is the deadline for sending in your vote. The ballot was in the September issue. If there is anyone out there in the membership who would like to become more involved in Section or other ACS activities, contact any one of our

Section officers, councilors or alternate councilors. Please take some time to consider what you could do to strengthen and expand our mission to chemistry and to our community.

Make your voice heard. VOTE in the upcoming ACS elections, both National and Local Section.

Check out  
<http://www.scvacs.org/>.

See you at our next meeting.

## VOTE!

Along with America's election, remember to vote in the 2004 ACS National and Local elections! Your local section ballot must be received by October 20th to be counted! See your September newsletter or <http://www.scvacs.org/newsletter/news0409.pdf> for the candidate information and ballot!

## Santa Clara Valley Section Anniversary Events

William Carroll is a busy man. When he visits the Section during our anniversary celebration he will be a very busy man!

Shortly after Dr. Carroll arrives in the Valley on Thursday afternoon, he will meet with a group of high school chemistry teachers at San Jose State University to discuss the importance of pre-college chemistry education. After that, he will be discussing chemistry as a profession with the SJSU student affiliates (Did you have the opportunity to interact with an ACS president elect when you were in college?).

By 6:00 PM, Dr. Carroll will be greeting section members at the social hour at the Biltmore Hotel in Santa Clara. After a grilled salmon dinner, he will be engaging us in a discussion on "The Public Perception of Chemistry".

After a quiet Friday morning, Dr. Carroll again will be involved with our members at the "Founders' Luncheon" at the Sheraton Hotel in Palo Alto (from noon to 2:00 PM). Here, we expect to meet several past chairs of the section, as well as Dr. Irv Abrams, the first chair, and Dr. Doug Skoog, the first chair-elect! Did you know that 3 of our current board members were charter members of the new section? Congratulations and thank you to Shirley Radding, Floyd

Hobbs, and Lois Durham for their dedicated work and endurance! Dr. Carroll's topic after lunch is "The Chemistry Enterprise in the U.S. is Changing".

Friday afternoon (about 4:00 PM) will find him at Santa Clara University interacting with their student affiliate chapter in Daly Science Center.

Later that evening, he will greet Dr. Paul Anderson, a past president of the ACS, and meet with another group of chemists at the Johnson Symposium at the Stanford University Faculty Club. There he will say a few words



Harry Mosher



Early Officers of the Section. (l. to r.) Robert Focht, Bruce Graham, Joel Hildebrand, Douglas Skoog, and H Murray Clark. Presentation of Charter to Santa Clara Valley ACS Section, January 25, 1955.



Joel Hildebrand, ACS President, presents charter to Douglas Skoog, Stanford University, chair of the local section, January 25, 1955.



about the future of the American Chemical Society.

Saturday morning, Dr. Carroll will be glad to fly back to Dallas for a little rest!

Members of the Santa Clara Valley section are fortunate to have so many opportunities to meet the president elect of the ACS. You are welcome to attend one or all of the meetings we have to help celebrate the 50th anniversary of the section!

### UPDATE: Santa Clara Valley Celebrates Its Golden Anniversary!

As a part of this year's 50th Anniversary celebration we are holding a Founders' Luncheon on Friday, October 22, 2004. Lunch will start at noon and feature a presentation by ACS President-Elect William Carroll. The location is the Sheraton Palo Alto located at 625 El Camino Real, Palo Alto near the intersection of University Avenue.

All members are invited to attend and help honor our special guests including some of the founders who signed our original ACS Local Section Charter. The updated prices have been subsidized to all attendees: \$15 per person plus \$3 per car for parking. This subsidy was made possible by a generous donation from Jack Riley – thank you, Jack!

Please make your plans to join us for this event. Reservations are required by October 19, 2004.

### Founders' Luncheon

**Date:** Friday, October 22, 2004

**Time:** 12:00 noon to 2:00 pm

**Location:** Sheraton Palo Alto, 625 El Camino Real, Palo Alto, CA 94306

**Speaker:** Dr. William Carroll

President-Elect of the  
American Chemical Society

**Cost:** \$15.00 (subsidized by a generous donor!) Choice of Roasted Chicken Bordelaise Or Hawaiian Chicken Salad (plus \$3.00 per car parking)

**Reservations:** [www.scvacs.org](http://www.scvacs.org)

Shirley Radding

408-246-2564

408-296-8625 Fax

Reservations MUST be made by October 19th, ABSOLUTELY no reservations will be accepted after 10/19.

# National Chemistry Week: Health and Wellness

October 17-23, 2004

It's time for National Chemistry Week again and in this spirit, both Governor Arnold Schwarzenegger and San Jose Mayor Ron Gonzales have proclaimed October 17-23 "National Chemistry Week" in California. We have a big kick-off event planned on October 17th at Stanford University, as part of the Sally Ride Science Festival. At our SCVS-ACS exhibition booth, we will be giving away Celebrating Chemistry, ChemMatters, Clinistix, and Multistix (the stix are useful in urine testing –

all part in keeping with our theme this year!). We will also be having a sucrose-filled competition "Guess How Many Pixi-stix" (winner gets the jar of candy), as well as "Name That Molecule" (we will have models of popular molecules like caffeine and aspirin for kids to touch, then clues to help them guess the identity of the molecules) - an ode to organic chemistry's role in health and wellness - plus lots more! Student volunteers from local universities will be on-hand to lead all the

fun. So mark your calendars to come along to our kick-off event which starts at 11:30 AM and will wind down at 4:15 PM. Tickets are \$18 with pre-registration and \$25 the day of the event. More information and registration can be found at the web site: [www.sallyridefestivals.com](http://www.sallyridefestivals.com).

Additionally, there will be college career events during NCW at Notre Dame de Namur University, Cabrillo Community College and Canada College. We are also having our annual teacher's workshop at Roche so look for additional details in this newsletter.



## 228th ACS Meeting - Councilor's Report

Philadelphia, PA August 21-26, 2004

The Fall 2004 national meeting was attended by 13,805 members, including guests and exhibitors. This was the first national meeting held in the city of 'brotherly love' in 30 years. Unfortunately, meeting rooms were scattered among the hotels and the convention center, but distances between were not very far and the weather and shuttle buses cooperated. Your section was represented by all eight of its councilors. This report provides some highlights from the meeting, with a particular focus on the Council and Board activities.

### Council Election Results

- The Committee on Nominations and Elections presented to Council a slate of nominees for membership on the Committee on Committees for the 2005-2007 term. By written ballot the Council elected Lawrence

Barton, Lissa Dulany, Larry K. Krannich, Mary Virginia Orna, and Eleanor D. Siebert.

- The Committee on Nominations and Elections presented to Council a slate of nominees for membership on the Council Policy Committee for the 2005-2007 term. By written ballot the Council elected Rita R. Boggs, Dean W. Cooke, Yorke E. Rhodes, and Peter J. Stang.
- The Council Policy Committee presented to Council a slate of nominees for membership on the Committee on Nominations and Elections. By written ballot the Council elected Frank D. Blum, Michael P. Doyle, Carol A. Duane, Ruth A. Hathaway and Kathleen M. Schulz for the 2005-07 term; and to fill two vacancies on the committee, Merle I. Eiss for a 2005-06 term, and Ellen B. Stechel for a 2005 term.

**The Council was informed of the candidates for the Fall 2004 ACS national election as follows:**

### President-Elect, 2005

E. Ann Nalley, Cameron University, Lawton, Oklahoma  
F. Sherwood Rowland, University of California, Irvine, California  
Isiah M. Warner, Louisiana State University, Baton Rouge, Louisiana

### Director-at-Large, 2005-2007

David F. Eaton, Light Insights, LLC,



Student winners from the State University of New York at Binghamton of the Division of Chemistry and the Law free raffle at SCIMIX

Wilmington, Delaware  
Judith C. Giordan, Visions in Education, Inc., Pleasanton, California  
Howard M. Peters, Peters, Verny, Jones & Schmitt, LLP, Palo Alto, California  
David N. Rahni, Pace University, Pleasantville, New York

### Director, District II, 2005-2007

Thomas H. Lane, Dow Corning Corporation, Midland, Michigan  
Diane G. Schmidt, Procter & Gamble Company, Cincinnati, Ohio

### Director, District IV, 2005-2007

Eric D. Bigham, GlaxoSmithKline, Chapel Hill, North Carolina  
Paul R. Jones, University of North Texas, Denton, Texas  
Robert L. Lichter, Merrimack Consultants, LLC, Atlanta, Georgia  
John L. Massingill, Jr., Texas State University, San Marcos, Texas

### Council Approval of Petitions:

- The Petition for Electronic Balloting proposed changes to the Society's

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SCV Councilors Bonnie Charpentier and Ean Warren with our poster at the ACS Chemluminary Awards.

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Our local chocoholics Howard and Sally Peters at the Field Museum Traveling Chocolate Exhibit at the Philadelphia Academy of National History (They flew in a day early to see this!)

Constitution and Bylaws allowing for the option of electronic balloting. The first Society implementation will be internet-based, similar to those currently used by several divisions, sister societies, and other organizations, such as public corporations polling their shareholders prior to annual meetings.

- The Petition to Change Division Annual Report Deadlines makes the annual report deadline consistent with that of Local Sections. This allows the Council Committee on Divisional Activities more time to evaluate Division Annual Reports for making selections for the ChemLuminary Awards program.
- The Petition for Membership Requirements for Teachers allows experienced qualified chemistry teachers, who may not otherwise fully meet the requirements, to become members based on their status and experience. The petition also allows a pre-college chemistry or allied science teacher to become an associate member.

#### **Proposals for Consideration:**

- The Council discussed a recent decision by the Committee on Nominations to reduce the allowable length for candidate statements (President-Elect and Board of Directors) from 1000 to 750 words. A resolution was defeated at

Council that would have allowed candidate statements to be 1000 words or more.

- The Committee on Committees presented to Council a proposal for establishing an Ethics Committee as an Other Committee of the Council. The Council voted to refer the recommendation back to the Committee on Committees for further study, as there are currently other committees that deal with ethics.

#### **Membership and Meetings Information:**

- The Council approved 2014 meeting sites as follows: Washington, D.C. (March 16-20) and San Francisco (August 24-28). AICHE will share the 2008 meeting site with ACS in New Orleans.
- The Council was informed that as of June 30, 2004, total ACS membership stood at 154,945. Compared to last year, this represents less than a 1% decrease in the overall membership number. The good news is that the very impressive 50% increase in the recent graduates joining the Society experienced at year-end last year is continuing. At the end of June, more than 6,800 new members had been added to the membership rolls, which aligns well with the number at the same time last year.

#### **Budgetary Issues:**

- The Board received a positive report from the Committee on Budget and Finance and was advised that the Society is projected to end 2004 with a net contribution from operations of \$1,531,000, which is \$60,000 favorable to the approved budget.
- Belmont Conference Center has



An exhibit of relics from the Titanic disaster at the Franklin Institute.



Local Stanford Provost Judge LaDoris H. Cordell (and elected Palo Alto City Council member) speaks to the ACS Minority Affairs Committee luncheon group in Philadelphia. She became, at the end of her talk, the first Honorary Member of the ACS Division of Chemistry and The Law. For an ACS interview in 2003, see <http://membership.acs.org/C/CHAL/CHAL03-1v1.pdf>

been sold for \$5.2 million dollars.

#### **Special Discussion Item**

- A special discussion item was put on the Council agenda for this meeting. ACS President Charles Casey and Board Chair James Burke lead the Council in a discussion on the multidisciplinary/dispersion of chemistry as a discipline and its impact on ACS members and the profession

#### **Western District Councilors Caucus:**

Ean Warren led the Sunday evening caucus of all of the councilors of 26 sections that comprise the Western Region. The petitions and issues that were to come before council were discussed. The issue of electronic balloting was the most debated topic and the members agreed to vote in favor of the petition. We were reminded of the up-and-coming Western Regional Meeting in Sacramento, October 27-30, 2004. The Alaska section will be hosting the Northwest Regional Meeting, June 15-18, 2005, in Fairbanks and we were all invited!

#### **Shirley Radding Award Presentation:**

Peter Rusch hosted a dinner to honor Maureen Chan, 2004 Radding Awardee, at a Philadelphia restaurant. Dr. Chan's husband and four close friends joined six councilors from the section to honor and present the award to the recipient. A wonderful time was had by all!

**Sally Peters**  
Councilor

# Society Committee on Education Report

As chair of the subcommittee on higher education and continuing education for the Society Committee on Education (SOCED), I will share some of highlights of our discussion at the Philadelphia meeting.

SOCED approved the updated ACS White Paper on Science Education. After this White Paper is approved by the Board of Directors in December, it will be sent to ACS's Office of Legislative and Government Affairs to serve as ACS's official position paper on educational issues for use at both national and state government levels.

We discussed the outcomes of the "Undergraduate Transitions: Enhancing Student Success" symposium which was held at the 18th Biennial Conference on Chemical Education in July 2004 at Ames, Iowa. The goal of this symposium was to develop recommendations to increase the success of students who transfer from a community college to a 4-year college/university. Our recommendations from this symposium are:

- Improve communication between students, advisors, administrators, community college faculty and 4-year university/college faculty.
- Increase awareness for the need to involve chemistry faculty and the various approaches that are being pursued.
- Develop partnerships that have sustained regular activities, promote the benefits of all partners, and maintain a focus on the students.

ACS will be involved in issue and will pursue multiple strategies, including preparing a report and articles, highlighting model programs, hosting events where two- and four-year faculty can meet and discuss articulation issues. SOCED will encourage the use of standardized assessment and exams to address concerns regarding the variation in quality of instruction and academic standards. We will also highlight the importance of student learning outcomes and quality academic advising.

SOCED also discussed strategies

for investigating the membership status of Student Affiliates. We drafted a memo that was sent to the Committee on Membership Affairs highlighting the facts that Student Affiliates are not considered ACS members and that there is no mechanism to account for how many Student Affiliates become ACS members after graduation. A task force was formed to investigate how other professional organizations classify student members. This task force will work closely with the Membership Division.

President-Elect William Carroll presented his vision for "The Chemical Enterprise, 2015". He will share his insights on his vision at our ACS-SCV October 2004 meeting.

SOCED will be involved in this initiative with respect to educational issues, as part of our "Exploring the Molecular Vision" project (go to <http://www.chemistry.org>, run a search "Exploring the Molecular Vision"). SOCED will also explore the factors that are involved in career transitions to teaching high school chemistry, a topic that I am very familiar with as Director of Science Education at SJSU.

As you might have observed after reading this summary of activities, SOCED is involved with many ACS education initiatives. If you have any questions or concerns on these initiatives, please e-mail me at [scharbrg@pacbell.net](mailto:scharbrg@pacbell.net).

**Maureen Scharberg**

## 2004 Shirley B. Radding Award Wrap-up

This year's recipient of the Shirley B. Radding Award is Ms. Maureen G. Chan of the North Jersey Section. Presentation of the award plaque and honorarium was made at a dinner on August 22, 2004, during the ACS National Meeting in Philadelphia.

Attending the dinner were Maureen; her husband, C. K. Chan; and Family friends and ACS colleagues of Maureen: Sue and Ken Farhenholtz; Valerie J. Kuck (1999 Radding Award recipient); and Melissa Kuck, Maureen's goddaughter.

Representing our Section were Jack Riley, Maureen Scharberg, Bonnie Charpentier, Sally Peters, Ean Warren, and Peter Rusch.

Maureen Chan expressed her appreciation to the Santa Clara Valley section for the honor of the award and indicated that the honorarium would be helpful in her acquisition of a new computer to assist with her continued ACS activities.



*Peter Rusch presenting Maureen Chan the Radding Award*



The Saguaro Cactus in Tucson, Arizona.

## Editor's Corner: Volunteer to learn

There are many volunteer opportunities within your ACS Local Section. In fact, the group that you vote to be on the Executive Committee year-to-year volunteers to be on your ballot! Are you interested in becoming a volunteer? It's a great way to learn about the community's scientific needs and gives you an opportunity to give back to the community your knowledge about chemistry, science, and life.

A couple new faces to the group are Abby Kennedy and Jay Parrish! They have offered to help and continue our section's National Chemistry Week activities. Our coordinator from the couple years past, Asfia

Qureshi, has moved to San Diego, recently. Asfia put in so much to kick off last year's NCW; I was truly amazed. Asfia, thank you for your efforts and best wishes in San Diego! Abby and Jay, welcome!

If you are interested in getting more involved with your local section, please contact anyone on the list on the back of your newsletter. There are still many opportunities where you can help out, either by leading or through assisting other committees. It will be great to hear from you.



## CHEMPLOYMENT ABSTRACTS OCTOBER 2004

### CHEMPLOYMENT ABSTRACT 3755

*Position Title:* Scientist Instrumentation & Analytical Chemistry

*Job Description:* Responsibilities will include supervision of the Chemistry Department's NMR, mass spectrometry, and HPLC open-access facilities, as well as significant hands on structural elucidation in support of various key medicinal chemistry projects. Responsible for instrument maintenance, troubleshooting, user training, & developing/implementing techniques to address the department's analytical needs.

#### QUALIFICATIONS DESIRED

*Education:* Ph.D. degree in NMR, org anal chem, natural products chem, or org chem  
*Experience:* The qualified candidate should have a strong background in small-molecule instrumental analytical chemistry with a proven record of structure elucidation for complex molecules using a variety of spectroscopic techniques.

#### LOCATION, SALARY, MAIL ADDRESS

*Location:* South San Francisco, CA  
*Salary:* DOE

*Application Instructions:* For immediate consideration for this job opening please mail, e-mail or fax your resume to: Amgen Human Resources, 1120 Veterans Boulevard South San Francisco, California 94080 e-mail: resume@tularik.com Fax: 650.825.7303

### CHEMPLOYMENT ABSTRACT 3756

*Position Title:* Medicinal Chemistry Scientist/Sr. Scientist

*Job Description:* As members of multi-disciplinary teams, Chemistry Scientists are responsible for the optimization of chemical leads for potency, selectivity, pharmacokinetic profile, etc. The Chemistry Scientists independently design and synthesize novel molecules with the required biological and physicochemical properties to become candidates for clinical development.

#### QUALIFICATIONS DESIRED

*Education:* Ph.D. in Organic Chemistry and 0-2 years of academic postdoctoral training  
*Experience:* Completion of academic research, prior pharmaceutical research experience and proven track record of academic accomplishments is required. Academic projects should reflect a solid background in organic synthesis. Some knowledge about the application of parallel synthesis techniques to medicinal chemistry would also be an asset.

#### LOCATION, SALARY, MAIL ADDRESS

*Location:* South San Francisco, CA  
*Salary:* DOE

*Application Instructions:* For immediate consideration for this job opening please mail, e-mail or fax your resume to: Amgen Human Resources 1120 Veterans Boulevard South San Francisco, California 94080 e-mail: resume@tularik.com Fax: 650.825.7303

### CHEMPLOYMENT ABSTRACT 3757

*Position Title:* Medicinal Chemistry Research Associate

*Job Description:* As members of a multi-disciplinary research teams, Chemistry Research Associates are responsible for the synthesis of novel molecules and working closely with senior members of the department identifying drug candidates suitable for clinical development.

#### QUALIFICATIONS DESIRED

*Education:* B.S. or M.S. in chemistry  
*Experience:* 2+ yrs of laboratory experience in organic synthesis. Demonstrated ability to work proactively and independently in a quality research environment. Willingness to set and achieve research goals.

#### LOCATION, SALARY, AND MAIL ADDRESS

*Location:* South San Francisco  
*Salary:* DOE

*Application Instructions:* For immediate consideration for this job opening please mail, email or FAX your resume to: Amgen Human Resources 1120 Veterans Blvd. South San Francisco, CA 94080 email: resume@tularik.com Fax: 650.825.7303

### CHEMPLOYMENT ABSTRACT 3758

*Position Title:* Research Scientist I/II - Pharmaceuticals

*Job Description:* Will be responsible for analytical method development & validation, release testing & stability studies for drug substance & drug products. Will conduct physicochemical property studies, measure partition properties, solubility, dissociation constants, chemical purity & stability, & prepare analytical and stability reports for regulatory submissions.

#### QUALIFICATIONS DESIRED

*Education:* Ph.D./MS/BS/equivalent in Anal Chem, Org Chem or Pharmaceutical Science with 5-10 years relevant experience. (BS/MS) or 1-5 years relevant exp (Ph.D.).  
*Experience:* Must have exp in HPLC anal, wet chem, knowledge in anal chem & pharmaceutical analysis, cGMP/G.P.P., FDA & ICH guidelines & regulations. Preferred experience with analytical & pharmaceutical development as well as with chromatog systems such as Waters Empower or Agilent Chemstation, LIMS, and SOPs.

#### LOCATION, SALARY, MAIL ADDRESS

*Location:* Palo Alto  
*Salary:* Competitive

*Description:* Roche Palo Alto is focusing on key clinical candidates aimed at CNS and genitourinary disorders, HIV/AIDS, HCV, inflammation, autoimmune diseases & transplantation.

*Application Instructions:* For immediate consideration, please email your resume and cover letter, specifying job code 100083, to paloalto\_hr\_staffing@roche.com.

### CHEMPLOYMENT ABSTRACT 3759

*Position Title:* Research Associate I/II - Pharmaceuticals

*Job Description:* This position will conduct well-defined experiments & perform supportive tasks in drug substance/product analyses, assist in the development of new methods & perform method validation for drug substance/product development. Will perform & complete all analytical activities in a timely manner with the implementation of GLP/GMP regulations.

#### QUALIFICATIONS DESIRED

*Education:* BS/BA in Chemistry or related field with 0-5 years relevant experience for RA I/II & 5+ years relevant experience for RA III.  
*Experience:* Must have experience with Qual & Anal Chem using wet chemistry & instrumental analysis, HPLC skills including chromatography software usage as well as NMR, MS, UV/VIS & IR Spectroscopy & Dissolution technique. Must have experience with analytical method development & validation, skills & familiarity with GLP/GMP regulations.

#### LOCATION, SALARY, MAIL ADDRESS

*Location:* Palo Alto  
*Salary:* Competitive  
*Description:* Roche Palo Alto is focusing on producing key clinical candidates aimed at CNS and genitourinary disorders, HIV/AIDS, HCV, inflammation, autoimmune diseases and transplantation.

*Application Instructions:* For immediate consideration, please email your resume and cover letter to paloalto\_hr\_staffing@roche.com.

### CHEMPLOYMENT ABSTRACT 3760

*Position Title:* Research Associate/Senior RA - Medicinal Chemistry Dept

*Job Description:* a synthetic organic chemist to work as part of a research team in all aspects of drug development from lead discovery to clinical candidate selection. Conduct multi-step syntheses using solution and solid-phase chemistries, responsible for purification and structural characterization of synthetic targets and communication to dept colleagues.

#### QUALIFICATIONS DESIRED

*Education:* MS/BS or BS in chemistry is required  
*Experience:* 2 years lab exp in organic chemistry using modern synthetic & chromatographic techniques and literature searching is required. Preference will be given to candidates with exp in scaling up multi-step synthetic sequences. Candidates should also have strong interpersonal and organizational skills.

#### LOCATION, SALARY, MAIL ADDRESS

*Location:* South San Francisco, CA  
*Salary:* DOE

*Description of Employer:* Genentech offers one of the most comprehensive benefits packages in the industry.

*Application Instructions:* Visit <http://www.gene.com/gene/careers/> which will take you to Genentech's career website. Go to "Job Postings", search for available jobs and reference requisition "1000003886" in the key word search. This will allow you to create an account and store a resume for application to Genentech positions.

### CHEMPLOYMENT ABSTRACT 3761

*Position Title:* Nanocrystal/Organometallic Chemist #2243

*Job Description:* Candidates for this position will be required to synthesize, develop and characterize various types of nano-crystals, ligands and surfactants. Flexibility in the face of rapidly changing issues, effective communication skills, and individual initiative are critical.

#### QUALIFICATIONS DESIRED

*Education:* Ph.D. degree in Inorganic or Organometallic Chemistry or the equivalent  
*Experience:* Candidates should have 2+ years of relevant industry experience. Knowledge and experience is required in the use of air-free schlenk and drybox techniques, NMR, UV-vis, IR, mass spectrometry, crystallography, and general spectroscopic characterization methods. Experience with materials characterization equipment such as TEM, XRD, and PL is a plus.

#### LOCATION, SALARY, MAIL ADDRESS

*Location:* Palo Alto, CA  
*Salary:* unspecified

*Employer Description:* Nanosys is an industry leading nanotechnology company developing products based on a technology platform incorporating high performance inorganic nanostructures.

*Application Instructions:* Please e-mail your resume to careers@nanosysinc.com or fax to: 650 331-2101 attention Human Resources.

Santa Clara  
Valley Section  
Happy  
Anniversary!



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

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Palo Alto, CA

#### OCTOBER 2004 NEWSLETTER TOPICS:

Public Perception of Chemistry  
October Dinner Meeting  
October Founders' Luncheon  
Upcoming Dinner Meetings  
Chair's Message  
An Invitation to the Junior College Chemistry  
Professors and Students  
Santa Clara Valley Anniversary Events  
Update: Santa Clara Valley Celebrates It's Golden  
Anniversary  
National Chemistry Week  
Councilor's Report  
Society Committee on Education Report  
2004 Shirley B. Radding Award Wrap-up  
Editor's Corner

#### CHEMPLOYMENT ABSTRACTS

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## FUTURE MEETINGS

- Oct 17-23** National Chemistry Week  
**Oct 17** Sally Ride Science Festival  
Stanford University  
**Oct 21** SCV Dinner Meeting  
Biltmore Hotel & Suites  
Santa Clara, CA  
**Oct 22** Founders Luncheon  
Sheraton Hotel  
Palo Alto, CA  
**Oct 22** Johnson Symposium  
Stanford University  
**Oct 27-30** 39th Western Regional Meeting  
Sacramento, CA  
**Jan 2005** SCV Dinner Meeting  
Mosher Award

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