

Silicon Valley Chemist

Santa Clara Valley Section

American Chemical Society

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APRIL 2012 NEWSLETTER TOPICS

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Santa Clara Valley SciMix

April 26, 7-9:00 PM

Amgen, 1120 Veterans Blvd, South San Francisco

For the April dinner meeting, we are trying a new experiment. Each year at the National meetings, one of the more popular events is the SciMix, where graduate students present their research. Since not all of us can attend the National meetings, we thought it would be a great idea to invite our local student population to present their research posters again for the Santa Clara Valley audience. This should be an excellent opportunity for networking between the industrial chemistry community and the academic community, and for us all to learn about the prolific research that is ongoing in the San Francisco Bay Area.

If this experiment is successful, this local replicate of the SciMix may become an ongoing feature of the Santa Clara Valley local meetings. Light refreshments (popcorn, chocolate, and water/sodas) will be served. Amgen SSF has generously agreed to host the meeting.

If you would like to present a poster at the SciMix, please contact Natalie McClure at nmccclure@drugregulatoryaffairs.com.

May Dinner Meeting

Save the Date

Date: Thursday, May 17, 2012

Time: 6:00 p.m. Social Hour
7:00 p.m. Dinner
8:00 p.m. Presentation

Speakers: Nick Drobac and
Captain Jim "Homer" Holm
The Clean Oceans Project

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

Cost: \$26, Greek chicken or cheese ravioli

Reservations: www.scvacs.org
Sally Peters 650-854-4614

Reservations should be made by May 14th stating your name, address, company/school affiliation, number of people in party. Watch the web site for more information.

Chair's Message

March was a very busy month for the Santa Clara Valley section. We held a very interesting dinner meeting at the Newdoll Enterprises, hosted by artist Julie Newdoll and her father Ron Newdoll. For "Chemists Celebrate Earth Day," over 100 students have submitted poems for consideration in the National competition for the best poem that addresses this year's theme, "Rethinking recycling: It's easy to be green". The hard part for us is that we have to choose one poem per age group for nomination to National. And there was, of course, also the National meeting in San Diego. A councilors' report will be included in the next newsletter.

We are kicking off two new initiatives this month. For our April dinner meeting, we are hosting a local version of the SciMix poster session. This will provide an excellent opportunity for local graduate students to meet and network with the chemistry community and discuss their research. This meet-



ing will be held at the Amgen facility in South San Francisco.

Our second new initiative is a new program for outreach to the kids that get overlooked. We have been awarded an innovative program grant to fund development of chemistry and science programs for

children who live in the shelters of San Mateo County and for the farm workers programs. We will be developing this new program in the coming months. If you would like to be involved, please let me know. This will be an exciting and rewarding program.

I hope to meet you at the upcoming SciMix. It should be thought provoking and informative.

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2012 Synopsys Championship

The 52nd annual Santa Clara Valley Science and Engineering Fair, the Synopsys Championship, was held Wednesday, March 7, at the San Jose Convention Center (<http://sites.google.com/site/synopsyschampionship/>). As our regional competition, it showcased and celebrated 995 local 6th-12th grade students who will become our future scientists, engineers, technologists, and mathematicians. While these students were supported by their parents, teachers, mentors, and schools, they performed and presented independent research that exceeded the bounds of their normal classroom studies. So whether or not they were selected for one of the SCV-ACS awards or to represent Santa Clara County at the Intel International Science and Engineering Fair, they are all winners.

The SCV-ACS special award team of Dr.

Howard Peters, Dr. Gary Bullard, Susan Oldham-Fritts (co-chair), and Mark Kent (co-chair) judged 186 incredible projects to select the winners of our three section awards:

\$500 First Place Individual Award:

Anjini Karthik, 8th grade, Challenger School, for Green Nanotechnology: Novel Environmentally Benign Synthesis of Gold Nanoparticles for Bioapplications.

\$200 Second Place Individual Award:

Leo Yu, 9th grade, Harker School, for The Effects of Rhamnolipid Biosurfactant on Various Concentrations of Hydrocarbons.

\$300 Team Award:

Eesha Khare and Paulomi Bhattacharya, 11th grade, Lynbrook High school and Harker School, for Synthesis and Characterization of Novel Internal Alkyne-Stabilized Ruthenium Nanoparticles for Molecular Electronics Applications: The

Effect of Ligand Structure and Interfacial Bonding on Optoelectronic Properties.

Dr. Howard Peters and Mark Kent presented these awards on Sunday, April 1, at the Synopsys Championship Middle School and High School Award Ceremonies, held at Great America in Santa Clara.

In addition to our special award judges, we'd like to thank the category award judges for volunteering their time and expertise. We also extend our thanks to Dr. Aart de Geus, CEO of Synopsys, and Gary Robinson and Heidi Black of the Synopsys Outreach Foundation for their continuing generous support of local science students and their teachers. Science fairs don't happen without these committed students, teachers, judges, and sponsors.

Call for Nominations Ottenberg Service Award 2012

It is again time to nominate candidates for the Abraham Ottenberg Service Award of the Santa Clara Valley Section.

This Award was established in 1973 by the Santa Clara Valley Section to recognize members who have rendered outstanding service to the Section. It is named after Abraham Ottenberg, a former member who devoted much of himself to serving the Section. The award consists of an engraved plaque and a check for two hundred fifty dollars. The award recipient is selected from candidates nominated by members of the Section. Nominees must be members of the Santa Clara Valley Section.

Previous recipients are: Shirley B. Radding (1974), Oliver F. Senn (1975), Floyd M. Hobbs (1976), Frank R. Mayo (1977), Harry S. Mosher (1978), Lois J. Durham (1979), Richard W. Gaver (1980), Alan C. Ling (1982), Ludwig A. Mayer (1983), John F. Riley (1983), Howard M. Peters (1984), June G. Jones (1986), Robert L. Montoya (1986), Malcolm Dole (1987), Donald E. Green (1991), Hubert E. Dubb (1992), Karl Marhenke (1993), Stephen N. Senzer (1994), Carol W. Mosher (1995), Bonnie Charpentier (1998), Linda Brunauer (1999), Herbert B. Silber (2000), Sally Peters (2001), Jamil Talhouk (2002), Ean Warren (2003), Maureen Scharberg (2004), Hong Gao (2005), George Lechner (2006), David Parker (2007), Bruce Raby (2008), Peter Rusch

Call for Nominations Shirley B. Radding Award

The Santa Clara Valley Section of the American Chemical Society (ACS) announces the call for nominations for the 2012 Shirley B. Radding Award.

First awarded in 1994 to its namesake, the Shirley B. Radding Award annually honors someone who has been a member of the ACS for at least 20 years. Nominees must have demonstrated dedicated, unselfish leadership, service and significant contributions over a sustained period of time to industrial, applied or academic chemistry and to the ACS through elected or appointed positions at local, district and national levels.

Award Criteria

- Member of the American Chemical Society for more than twenty (20) years.
- Demonstrated dedicated and unselfish service to ACS and its members over a sustained period of time.
- Provided leadership through elected and appointed ACS positions at local, district and national levels.
- Made significant contributions to industrial, applied or academic chemistry.

Previous Award Recipients

1994 Shirley B. Radding	1995 Agnes Ann Green (deceased)
1996 John F. "Jack" Riley (deceased)	1997 Howard M. Peters
1998 Alan C. Nixon (deceased)	1999 Valerie J. Kuck
2000 Halley A. Merrell	2001 Norman A. LeBel (deceased)
2002 Paul H. L. Walter	2003 Jean'ne M. Shreeve
2004 Maureen G. Chan	2005 Glenn Fuller
2006 Janan M. Hayes	2007 Merle I. Eiss
2008 Dorothy J. Phillips	2009 Bryan Balazs
2010 Herbert B. Silber	2011 Carol A. Duane

The award consists of an honorarium of \$1,000 and a suitably inscribed memento. Nominations must consist of at least one letter of nomination stating how the nominee's work relates to all aspects of the award. It is strongly recommended that seconding letters accompany the nomination.

Nominations are due on or before May 1, 2012, and may be sent electronically to Radding-Award@scvacs.org or be mailed to:

Radding Award Committee, Santa Clara Valley Section ACS
P. O. Box 395, Palo Alto, CA 94302

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(2009, Stephanie Gehling (2010) and Abby Kennedy (2011).

The nominating letter should include a brief biography of the candidate and a description or evaluation of the service(s) to be recognized by the award. Seconding nominations are not required but will be accepted.

Nominations should be sent to:

Chair, Ottenberg Award Committee
Santa Clara Valley Section, ACS
Post Office Box 395
Palo Alto, CA 94302

Or to ldurham9398@sbcglobal.net

Nominations must be received by June 1, 2010, to be considered for the 2012 Award.

ACS Fellows Nominations

Nominations are now being requested for the ACS Fellows Program. The purpose of the ACS Fellows Program, one component of the broader ACS Awards Program, is to recognize members of the American Chemical Society for their outstanding achievements in and contributions to the science/profession and for service to the ACS community.

ACS needs your help in identifying those members who should be recognized with this esteemed honor.

Nominations are now being accepted for 2012 Fellows. Nominations can be sponsored by individual ACS members, by Divisions,

and by Local Sections. Nominations are accepted until April 23, 2012. For a copy of the nomination forms and more information, please see: www.nominatefellow.acs.org

Nominees for ACS Fellows must be current members (including retired and emeritus members) in good standing of the American Chemical Society. Former members or deceased members will not be considered as nominees for ACS Fellows. However, if a member dies after his/her name is submitted as a nominee and if that candidate is selected, he/she will be granted the Fellows designation posthumously.

The selection of ACS Fellows is based on documented excellence and leadership in BOTH of two areas: (1) science, the profession, education, and/or management, AND (2) volunteer service in the ACS community. Nomination documents must address BOTH of these areas.

There must be documented evidence of exceptional accomplishments, professional attainment, and impact in both of the above two areas. Excellence in research, teaching, or management alone is not enough, nor is exceptional leadership of ACS activities; members selected as Fellows must have excelled in multiple areas. In assessing the qualifications of a nominee, the Selection Committee will weigh the depth, extent, and impact of the nominee's activities as documented in the nomination submission.

See the list of current ACS Fellows and other information on the ACS website at www.acs.org/fellows. For additional inquiries, send an email to fellows@acs.org.

If you would like to propose a nomination for someone to ACS Fellows program, either contact Natalie McClure and we will help with the nomination process, or send the nomination in directly.

Welcome to the Santa Clara Valley Section of ACS

Each month the section receives a spreadsheet from national ACS with the names of members new to our section. The members are either new to ACS, have transferred in from other areas, or are the newest members -- students. To welcome you to the section and get to know you, the Executive Committee offers new members a free dinner!! To encourage you to attend a monthly section dinner meeting, we would like you to be our guest. When you register, make certain to mention that you are a new member and you and a spouse (or friend) will be our

guests. The dinner meetings are often the 3rd Thursday of the month at a local spot, somewhat convenient to the entire section. If you are unable to attend in the evening, perhaps you would join us for an outreach event, like judging a science fair, participating in the Chemistry Olympiad, or a National Chemistry Week event in October. Then, there is our annual wine tasting and awards picnic in July. The local section is a volunteer organization. Please attend an event, volunteer to help, and get to know your local fellow chemists. Welcome!!

New Members List for March

Yilma Adem	Dr. Xuhui Huang	Gary T. Olsen
Dr. David Aziz	Dr. Terry W. Hudson	Brian Phung
Lu Bai	Dr. Michael D. Ironside	Dr. John A. Pople
Eugene Beh	Erik Johnson	Adrian J. Riives
Stephanie J. Benight	Asavari Kale	Jessica Rosenthal
Dr. Kamal N. Bharucha	Toshiyuki Kaneko	Richard R. Seipert
Dr. Abhoyjit Bhowan	Dr. Shoeb Iqbal Khan	Dr. Nilesh D. Shah
Regina N. Carbon	Gert Kiss	Dr. Diwakar Shukla
Dr. Hye Jin Choi	Sarah E. Lee	David Simpson
Dr. Yilin Chung	Dr. Xin Linghu	Vong Sok
Dr. Frederick Cohen	Eric Joseph Lingren	Dr. Rajendra M. Srivastava
Christopher Corona Cortez	Sabrina M. Lopez	Courtney Vella
Kirandeep K. Deol	Dr. Tina L. Mah	Tianxin Wang
Dr. Kumaraswamy Emayan	Sydney Mardell	Dr. Xiang Wang
Jonathan M. Fong	Jose Martinez	Zhuguang Wang
Kristy Fournier	Dr. Omkaram Nalamasu	Douglas Andrew White
Sam Fung	Dr. Satoru Narizuka	Curtis A. Wray
Joshua M. Garcia	Dr. Marc Navre	Michael Wyatt
Craig Gorin	Sachin Nedungadi	Nicole Yee
Greta Gottardy Cary	Lauren Nguyen	Dr. Myung Jin Yim
Dr. Tan Guo	Nam K. Nguyen	Bing Yu
Wesley D. Hahn	Thao T. Nguyen	Jin Zhang
Armando Hernandez		



Highlights of the March 15th Dinner Meeting with Dr. Peter Rusch

Photos Courtesy of Lois Durham



Ron Newdollar (our host)



George Lechner and Kevin Greenman



Natalie McClure and Bonnie Charpentier



Peter Rusch (speaker)

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Julie Newdollar (speaker)

CHEMEMPLOYMENT ABSTRACTS APRIL 2012

For a complete list of current abstracts, please visit: www.scvacs.org/Local_Folder/abstract.htm

CHEMEMPLOYMENT ABSTRACT 3975

Position Title: Principal Scientist

Job Description: Novartis Pharmaceuticals in San Carlos has an opportunity for a Scientist, who will independently design and perform packaging and device materials chemical analysis studies for combination products. Trace analysis including residual solvents, extractables and leachables methods are primary areas of focus. Duties will involve performing lab work that includes FTIR, Mass Spectrometry, GC, HPLC, and may involve supervising work at contract labs. Data analysis, interpretation and report writing are required.

QUALIFICATIONS DESIRED:

Education: PhD in a scientific discipline is required. Equivalent experience may be accepted.

Experience: A minimum of 2 years work experience in a research and/or development environment is required. Post-doctoral work may serve as experience. Exceptional non-PhDs with demonstrated capabilities and/or significant experience may also be considered. Must be able to demonstrate hands-on technical proficiency with Mass Spectrometry and Chromatography; this includes chemical structure elucidation and troubleshooting. Must also demonstrate scientific creativity, collaboration with others and independent thought. Must have excellent verbal and written communication. Must be able to compose sound written work with no assistance. Strong organizational and problem solving skills are required. Must be able to work as part of a team and demonstrate good interpersonal skills. Good computer skills are required. Working knowledge of MS word, Excel, Power point is expected. Experience working in an FDA regulated environment and knowledge of current GMPs as they apply to laboratory practices are highly desired.

LOCATION, SALARY, EMPLOYER:

Job Location: San Carlos, CA

Salary: DOE

Employer: Novartis was created in 1996 through the merger of Ciba-Geigy and Sandoz, two companies with a rich and diverse corporate history. Throughout the years, Novartis and its predecessor companies have discovered and developed many innovative products for patients and consumers worldwide. We want to discover, develop and successfully market innovative products to prevent and cure diseases, to ease suffering and to enhance the quality of life. We also want to provide a shareholder return that reflects outstanding performance and to adequately reward those who invest ideas and work in our company.

Application Instructions: Please visit our website at www.novartis.com/careers or submit your resume to regina.roodhouse@novartis.com

CHEMEMPLOYMENT ABSTRACT 3978

Position Title: Quarterly Adjunct Lecturer in Organic Chemistry Lab

Job Description: Teach one or more laboratory sections of Chemistry 31 (Organic Chemistry I), during the fall quarter of the 2012-2013 academic year. Re-employment in subsequent quarters of the academic year may be possible. For more details regarding responsibilities, go to <http://www.scu.edu/hr/careers/faculty.cfm?id=3298>

QUALIFICATIONS DESIRED:

Education: M.S. in chemistry (Ph.D. desirable).

Experience: Prior experience teaching organic chemistry laboratory essential. SCU does not sponsor any visa applications for this position. The successful candidate(s) must be able to provide evidence of identity and legal authorization to work in the United States.

LOCATION, SALARY, EMPLOYER:

Job Location: Santa Clara, CA

Salary: \$3,300 per laboratory section

Employer: Pending funding, the Department of Chemistry & Biochemistry at Santa Clara University, a Jesuit, Catholic university with an ACS-approved undergraduate program, is accepting applications for quarterly adjunct lecturer in Organic Chemistry.

Application Instructions: Interested applicants should submit the following items to jgilbert@scu.edu on or before May 11, 2012: a curriculum vitae, statement describing applicant's experience or interest in working with people of diverse cultures and identities; copies of undergraduate and graduate transcripts; and two letters of recommendation.

CHEMEMPLOYMENT ABSTRACT 3977

Position Title: Quarterly Adjunct Lecturer in General Chemistry Lab

Job Description: Teach one or more laboratory sections of Chemistry 11, General Chemistry I, during the fall quarter of the 2012-2013 academic year. Re-employment in subsequent quarters in the same academic year may be possible. For more details, go to <http://www.scu.edu/hr/careers/faculty.cfm?id=3297>

QUALIFICATIONS DESIRED:

Education: M.S. in chemistry (Ph.D desirable)

Experience: Prior experience teaching general chemistry laboratory essential. SCU does not sponsor any visa applications for this position. The successful candidate(s) must be able to provide evidence of identity and legal authorization to work in the United States.

LOCATION, SALARY, EMPLOYER:

Job Location: Santa Clara, CA

Salary: \$3,300 per laboratory section.

Employer: The Department of Chemistry & Biochemistry at Santa Clara University, a Jesuit, Catholic university, is an ACS-approved undergraduate program.

Application Instructions: Interested applicants should submit the following items to jgilbert@scu.edu on or before May 11, 2012: a curriculum vitae, statement describing applicant's experience or interest in working with people of diverse cultures and identities; copies of undergraduate and graduate transcripts; and two letters of recommendation.





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

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<http://www.scvacs.org>

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is published on our web site, sign up at:
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SANTA CLARA VALLEY SECTION

2012 Section Officers

Chair	Natalie McClure	650-906-7831	nmcclore@drugregulatoryaffairs.com
Chair Elect	Jeanette Medina	650-306-3255	medinaj@smccd.edu
Past Chair	Abby Kennedy	209-640-2005	akennedycali2007@yahoo.com
Secretary	Karl Marhenke	831-688-4959	karlmar@cruzio.com
Treasurer	Ihab Darwish	650-594-1654	darwishis@yahoo.com

Councilors

2010-2012	Linda Brunauer	408-554-6947	lbrunauer@scu.edu
2010-2012	Sally Peters	650-854-4614	sallybrownpeters@gmail.com
2010-2012	Peter Rusch	650-961-8120	pfrusch@aol.com
2011-2013	George Lechner	408-226-7262	glechne@aol.com
2011-2013	Herb Silber	408-924-4954	hbsilber@science.sjsu.edu
2012-2014	Abby Kennedy	209-640-2005	akennedycali2007@yahoo.com
2012-2014	Ean Warren	650-329-4554	ewarren@scvacs.org

Alternate Councilors

2010-2012	Lois Durham	650-322-3507	ldurham9398@sbcglobal.net
2010-2012	Natalie McClure	650-906-7831	nmcclore@drugregulatoryaffairs.com
2010-2012	Stephanie Bachmann	408-429-9681	s_gehling@hotmail.com
2011-2013	Mark Kent	408-736-0989	markkent@yahoo.com
2011-2013	Harry Ungar	831-708-2049	haungar@cruzio.com
2012-2014	Lisa Milstein	510-624-4019	lisa.milstein@balazs.com
2012-2014	David Parker	408-615-4961	dparker@santaclaraca.gov

Newsletter

Editor	Aaron Novack	650-796-3665	aaronnovack@yahoo.com
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ChemPloyment Abstracts

Director	Charles Sullivan	650-728-7034	cdansullivan@sbcglobal.net
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FUTURE MEETINGS

- Apr 21** National Chemistry Olympiad Exam
Las Positas College
Livermore, CA
- Apr 21** California Section Meeting
Development of Enzymes and
Enzyme Systems to Covert
Mass to Sugars
USDA, Western Regional
Research Center, Albany, CA
<http://calvaryslz.org/calacs/>
- Apr 26** First SCV-ACS SciMix
Poster Session
Amgen Corporation
South San Francisco, CA
- May 17** Nick Drobac and Capt. Jim
"Homer" Holm
The Clean Oceans Project
Biltmore Hotel
Santa Clara, CA
<http://thecleanoceansproject.org>
- Jul 14** Annual Awards and Wine Tasting
Stanford Chemistry Department
Stanford, CA