

Silicon Valley Chemist

Santa Clara Valley Section

American Chemical Society

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OCTOBER 2009 NEWSLETTER TOPICS

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Reminder!

October Dinner Meeting

Thursday, October 15, 2009

Biltmore Hotel & Suites

Dr. Elizabeth Furukawa

will speak on FDA, Nanotechnology and Food Handling

Dr. Jeanette Medina Wins Teacher-Scholar Award ACS President Tom Lane to Present Award

Professor Jeanette Medina, an exemplary faculty member from the Chemistry Department at Cañada College has won the first Teacher-Scholar Award for Community College Chemistry Faculty. Jeanette will speak briefly about some of the activities that helped bring her this award. She has taught chemistry for 13 years and despite being in the relatively early stages of her career at the time, has been awarded three NSF grants that benefit students at her college as well as local elementary teachers. She is involved in numerous outreach activities which encourage or spark an interest in science in general or chemistry in particular. She developed an honors level chemistry class for her college's new honors program. Jeanette will receive a plaque and \$500, with another \$500 going to her department at Cañada College.

Tom Lane, the president of the American Chemical Society, will be with us to present the award. We are expecting him to talk about



the importance of community college education not only to the academic world, but also to chemical industry, and why he himself so strongly supports community colleges.

The ACS gives awards at local, regional and national levels, for excellent teaching at high

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November Dinner Meeting

Date: THURSDAY, November 19

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

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

Speakers: Dr. Tom Lane
President of the American Chemical Society and Jeanette Medina the first recipient of the SCV ACS Community College Teacher-Scholar Award

Cost: \$27.00 with a choice of:
Apricot Chicken
Cheese Ravioli

Reservations: www.scvacs.org or
Shirley Radding 408-246-2564
408-296-8625 Fax

Reservations should be made by November 16th 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 Tuesday, November 17th, you will be invoiced following the dinner meeting

Chair's Message

With the September dinner meeting, we have restarted our monthly dinner meetings. Bruce Raby, Chair Elect, has assembled a varied and interesting series of meetings. Last month, Dr. Tom Passell gave an interesting talk on the ongoing research and activities in cold fusion. I must confess that I thought that this field had died years ago. However, I was mistaken and there is a dedicated, small group of researchers who continue to explore the area. Perhaps the time has come to re-invigorate some of these research efforts. If suc-



cessful, albeit a long shot, this could be part of the solution to the world's energy problems.

There are some other fun activities planned for ACS members. As part of our celebration of National Chemistry Week, Abby Kennedy has arranged for 50 free tickets for ACS members and guests to hear Brian Malow, "the Earth's Premier Science Comedian" who will be performing at Rooster T. Feathers Comedy Club in Sunnyvale on Wednesday, October 28.

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Dr. Jeanette Medina, continued from front page
school, college and university levels. The Santa Clara Valley Section's award is the first in the nation to recognize the contributions of community college chemistry teachers to science education.

The award was established by the Section early in 2009. Each year it will honor an outstanding faculty member from one of the 13 community colleges in the Section's territory, which includes five counties around San Jose. This year's award will be presented at a dinner meeting on November 19 at the Biltmore Hotel In Santa Clara.

We hope that this initiative will generate publicity and catalyze the creation of similar awards in other ACS local sections, at regional levels, and ultimately at the national level. The publicity surrounding these awards is expected to increase the visibility, respect and appreciation accorded to community college science education, both by other chemists and the general public.

For supporting information about the award and how it works, please contact Harry

Ungar of the Cabrillo College Chemistry Department (e-mail haungar@cruzio.com). We will provide all the materials needed to make it easy to set up an award.

The initiative for the award and the first \$500 in seed money came from the NSF-funded ChemEd Bridges Project. ChemEd Bridges provides professional development opportunities to expand the horizons and enrich the careers of community college chemistry faculty, encouraging more of them to become teacher-scholars. The Santa Clara Valley Section has allocated \$1100.

Chair's Message, continued from front page

Brian's comedy covers a broad range of science from relativity and quantum physics to space travel and time travel, robotics, the internet, to black holes and alien life in the far reaches of the expanding universe. This show will be "Rational Comedy for an Irrational Planet" - A great general presentation including material about everyday technology - computers, cell phones, snooze alarms - as well as the environment, food,

smoking, birth, aging, and science fiction movies. He has entertained the National Academy of Sciences, Microsoft, Apple, Dell, the American Chemical Society (National), and the National Association of Science Writers. Now, it is our turn. Please go to our website (www.scvacs.org) and sign up for your free tickets.

The other event that you should be sure to make note of is our November dinner meeting. We will be hosting a presentation by Dr. Tom Lane, President of ACS who will be presiding over the inaugural presentation of the Teacher-Scholar Award for Community College Chemistry Faculty. Dr. Lane will be making the presentation to the award recipient, a professor from a local community college. We have invited several State and Federal politicians who are interested in STEM (science, technology, engineering and math) education and hope to generate some "buzz" around this meeting.

It is shaping up to be an interesting fall at SCV. I hope to see you at these events.

Celebrate NCW 2009 with Earth's Premier Science Comedian!

It's time to celebrate National Chemistry Week 2009! October 18-24th is designated as our special week this year and we hope you will join our celebration of "Chemistry—It's Elemental!" in honor of the 140th anniversary of Mendeleev's Periodic Table of the Elements. This year we've got three great activities planned to help you celebrate!

First up, our fun annual public outreach booth will take place on Saturday, October 17th from 10 a.m. - 1 p.m. at the MLK Jr. Library in downtown San Jose (150 E. San Fernando St., San Jose). Of course, the crowd-favorite Wheel of Chemistry Fortune will be spinning for all kids to win a prize, and we'll have fun hands-on activities for kids. This will also be your opportunity to pick up your free copy of "Celebrating Chemistry", the NCW newsletter for elementary-aged children. To volunteer, or for more information, please contact Abby Kennedy (akennedy@exelixis.com). Hope to see you there!

As our highlight event for NCW this year, Brian Malow presents "Rational

Comedy for an Irrational Planet" – an evening of science humor. "It's as much about expanding the mind as it is tickling the funny bone," said The Washington Times. An evening of science-flavored stand-up from Brian Malow, Earth's Premier Science Comedian. Let Brian be your tour guide for this evening's humorous exploration of the expanding universe! As seen on NBC's Late Late show with Craig Ferguson, Brian is a life-long fan of science and science fiction, and has developed a brand of intelligent, imaginative comedy that delights audiences! Brian has performed in nearly 40 states, and has shown no interest in the others.



He'll be headlining at the Rooster T. Feathers Comedy Club on Wednesday, October 28 at 8 p.m. (doors open at 7:15) at 157 W. El Camino Real, Sunny-

vale. This event is open to the public for \$15, but your admission can be free! The first fifty Section members to sign up online will receive a free ticket for themselves and for one guest for this great show. Please note that, like most comedy clubs, you will have a two-item minimum purchase per person once you're in (appetizers/drinks). Go to www.scvacs.org/Local_Folder/malow.htm to get on our VIP list and for more details! To purchase tickets in advance for friends and family (the free admission is only for Section members and one guest; also note that there's no admittance to anyone under 21), go to www.roostertfeathers.com.

Finally, the 2009 K-12 national poster contest takes place this month, focusing on fun, motivational, and inspiring representation of an element or elements in the periodic table. For details, please email Abby Kennedy (akennedy@exelixis.com) for full contest guidelines. Posters must be received no later than October 19, 2009 to qualify.



Photos from the September 17th Dinner Meeting with Dr. Thomas Passell

by Lois Durham



Marjorie Ottenberg and Bob Wallace



Sally Peters, Martin Neitzel and Howard Peters



Peter Rusch, James Yeary and
Martin Neitzel



George Lechner and Jim McClure



Dr. Tom Passell and Friend



Mark Kent and Peter Rusch



David Nehrkorn and Kevin Greenman



Marjorie Ottenberg and John Stutz

INTEL International Science and Engineering Fair (ISEF2010)

San Jose, CA ❖ May 9-14, 2010 ❖ Tuesday 4-9 pm and Wednesday 8-6 pm

Some VOLUNTEERS needed all week JUDGES for Student Projects needed

For more information see: www.societyforscience.org/isef/index.asp

Local Contacts: **Dr. Howard Peters** peters4pa@sbcglobal.net

Dr. Roy Okuda okuda@sjsu.edu

INTEL ISEF2010 Board of Directors

Section Election

Voting in our 2009 Section election will begin on Monday, October 19 and end on Monday, November 23. Watch for an e-mail or a postcard with voting instructions shortly before the beginning of this period, and PLEASE VOTE!

Councilor Talking Points from the Washington National Meeting

August in Washington, DC, is too damn hot! I apologize for holding the meeting in our nation's capital (and headquarters of the ACS) in August, as I was a member of the Meetings and Expositions Committee that made that decision 12 years ago! Why are we there in August? In a nutshell, it is cheaper. Congress is not in session and the 5,000 hotel rooms that are required are at more reasonable rates. We do not return until 2014 – in March. So then I will complain about how cold it is!

This was the largest meeting we have had in WDC with 14,319 registrants, including 3,159 student members. The new Walter E. Washington Convention Center was very accommodating, contained interesting art work, but was located far from most of the hotels. The Exposition was spacious with wide aisles and places to sit after touring the 453 booths presented by 307 exhibitors. I have never seen so many booths sponsored by government agencies, i.e. Oak Ridge National Lab, National Library of Medicine, the National Research Council, and even the FBI!

The Career Fair was held in the Convention Center. Forty-three employers were interviewing to fill several positions a piece, and

983 members were registered as interviewees.

The council meeting was long and active with committee elections, petitions, reports from the officers, and reports from various committees.

The candidates for the fall 2009 ACS national election were announced as follows: **Nancy B. Jackson**, International Chemical Threat Reduction Department; *Manager, Sandia National Laboratories, Albuquerque, NM*

Cheryl A. Martin, Currently on sabbatical; *former Corporate Vice President and General Manager, Rohm and Haas Company, Philadelphia, PA*

Mary Virginia Orna, Professor of Chemistry, College of New Rochelle; *New Rochelle, NY*

As of July, the Society has 160,964 members including 9,732 Student Members. The provisions of the Petition on Membership Categories and Requirements were fully implemented this past June with the transfer of former Student Affiliates to Student Member status, and Associate Members to regular Member status.

Everyone is concerned about their fi-

nances in this time of recession and the Society is not different. The news from the Budget and Finance Committee and the Chair of the Board was positive. The Society is projected to end the year with a net contribution from operations of \$11.2 million, or \$528,000 favorable to the 2009 approved budget. The favorable projection is largely the result of Contingency Plan actions and expense management initiatives implemented in early 2009, which are expected to fully offset revenue shortfalls in the Approved Budget across several categories.

Two petitions occupied a great deal of 'floor time' with comments from the councilors and ex officio members. A petition for 'urgent action' on Candidate Selection by Member Petition proposed to permit candidates to be selected by a petition process from members. To be considered for urgent action, the petition required a 3/4 affirmative vote. After considerable discussion, a vote to consider the petition at the 2009 fall meeting FAILED. Absent urgent action, the Petition on Candidate Selection by Member Petition will now be up for action at the 2010 spring

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CHEMPLOYMENT ABSTRACTS OCTOBER 2009

CHEMPLOYMENT ABSTRACT 3940

Position Title: Lecturer, Chem 152 (Thermodynamics) - Part Time - Start Date 01/04/2010

Job Description: Planning and teaching one section of Chemistry 152 (Thermodynamics); Consulting with tenure-stream faculty regarding course content; Specific teaching responsibilities are posted at: <http://www.scu.edu/cas/chemistry/Job-Opportunities.cfm>.

QUALIFICATIONS DESIRED:

Education: Ph. D. in Chemistry

Experience: Prior experience teaching physical chemistry at the undergraduate level is preferred, and experience teaching at SCU is advantageous.

LOCATION, SALARY, EMPLOYER DESCRIPTION:

Job Location: Santa Clara University, Santa Clara, CA

Salary: \$5,500

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

Application Instructions: Submit a curriculum vitae, a statement describing applicant's experience or interest in working with people of diverse cultures and identities, a copy of graduate transcripts, and two letters of recommendation before 10/16/2009 to Dr. Jack Gilbert, Chair, Dept of Chemistry & Biochemistry, Santa Clara University, 500 El Camino Real, Santa Clara, CA 95053.

E-mail: jgilbert@scu.edu.

CHEMPLOYMENT ABSTRACT 3941

Position Title: Lab Lecturer, General Chemistry III Lab - Part-time - start date 3/29/2010

Job Description: Planning and teaching one or more laboratory sections of Chemistry 13 (General Chemistry III); Coordinating with other Chemistry 13 laboratory instructors through regularly scheduled meetings; Specific teaching responsibilities are posted at:

<http://www.scu.edu/cas/chemistry/Job-Opportunities.cfm>

QUALIFICATIONS DESIRED:

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

Experience: Prior experience teaching general chemistry laboratory essential

LOCATION, SALARY, EMPLOYER DESCRIPTION:

Job Location: Santa Clara University, Santa Clara, CA

Salary: \$3,300 per laboratory section

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

Application Instructions: Submit a curriculum vitae, statement describing applicant's experience or interest in working with people of diverse cultures and identities, a copy of graduate transcripts, and two letters of recommendation before 2/19/2010 to Dr. Jack Gilbert, Chair, Dept of Chemistry & Biochemistry, Santa Clara University, 500 El Camino Real, Santa Clara, CA 95053.

E-mail: jgilbert@scu.edu.

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meeting of the Council.

Next, the Council discussed in great detail the Petition on Election Timelines and Procedures 2009. This petition proposes to shorten certain election timelines and change petition candidates (who go straight on the ballot if they obtain enough signatures) to petition nominees (who need to be screened by Council along with other nominees chosen by the Committee on Nominations and Elections). After rejecting a request to have a recorded vote, the Council VOTED to recommit the petition to the Committee on

Nominations and Elections with instructions. Following this action, N&E sought input through a nonbinding survey to help guide their revisions. A revised petition will likely be up for action at the 2010 spring Council meeting.

The Council meeting in San Francisco in the spring will therefore be long and active!

A hot topic discussed during the committee reports was the decision to not run the shuttle buses between the convention center and the hotels during the middle of the day. A young councilor from New York City enumerated all of the problems that decision

created. The chair of M&E replied that it was an experiment, and the experiment failed!

The Spring 2010 National Meeting and Exposition will be in our own backyard, San Francisco. The theme will be Chemistry for a Sustainable World. Plan to present a paper, attend presidential sessions, tour the exposition, and VOLUNTEER!

http://portal.acs.org/portal/acs/corg/content?_nfpb=true&_pageLabel=PP_TRANSITIONMAIN&node_id=2060&use_sec=false&sec_url_var=region1&_uuiid=0a574587-16db-40-b1-972e-ca99064d1a6c

CHEMPLOYMENT ABSTRACTS OCTOBER 2009

CHEMPLOYMENT ABSTRACT 3942

Position Title: Part-time Lecturer, Chem 150 (Biophysical Chem) - Start date 3/29/2010

Job Description: Planning and teaching one section of Chemistry 150 (Biophysical Chemistry); Consulting with tenure-stream faculty regarding course content; Specific teaching responsibilities are posted at: <http://www.scu.edu/cas/chemistry/Job-Opportunities.cfm>

QUALIFICATIONS DESIRED:

Education: Ph.D. in Chemistry

Experience: Prior experience teaching physical chemistry at the undergraduate level is preferred, and experience teaching at SCU is advantageous.

LOCATION, SALARY, EMPLOYER DESCRIPTION:

Job Location: Santa Clara University, Santa Clara, CA 95053

Salary: \$5,500

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

Application Instructions: Submit a curriculum vitae, statement describing applicant's experience or interest in working with people of diverse cultures and identities, a copy of graduate transcripts, and two letters of recommendation before 2/12/2010 to Dr. Jack Gilbert, Chair, Dept of Chemistry & Biochemistry, Santa Clara University, 500 El Camino Real, Santa Clara, CA 95053. E-mail: jgilbert@scu.edu

CHEMPLOYMENT ABSTRACT 3944

Position Title: Research Associate - Medicinal Chemistry

Job Description: This is an exciting opportunity for a Synthetic Chemist to participate in our innovative program in drug discovery. The individual will be responsible for the design and synthesis of novel drug-like compounds. The position requires an individual that is highly motivated and excited to work in a collaborative environment.

QUALIFICATIONS DESIRED:

Education: This position requires a Bachelor's or Master's degree in Organic Chemistry

Experience: This position requires 2-8 years of experience in synthetic or medicinal chemistry. Demonstrated expertise in multi-step synthesis, compound purification and structural characterization is preferred.

LOCATION, SALARY, EMPLOYER DESCRIPTION:

Job Location: South San Francisco, CA

Salary: DOE

Employer Genentech is among the world's leading biotech companies, with multiple therapies on the market for cancer and other serious medical conditions.

Application Instructions: Genentech is dedicated to fostering an environment that is inclusive and encourages diversity of thought, style, skills and perspective. To learn more about our current opportunities, please visit: <http://careers.gene.com> and reference Req. # 1000029032. Please use "Web - ACS" when a source is requested. Genentech is an Equal Opportunity Employer.

CHEMPLOYMENT ABSTRACT 3943

Position Title: Associate Director - Bioanalytical (DMPK)

Job Description: The Associate Director will lead a team of experienced and talented bioanalytical Scientists. This individual will work closely with colleagues within DMPK and in other departments on projects ranging from early to late stage discovery and up to proof of concept in the clinic.

QUALIFICATIONS DESIRED:

Education: PhD in Analytical Chemistry, Pharmacokinetics, Drug Metabolism or other relevant fields

Experience: At least 10 years of industrial experience

LOCATION, SALARY, EMPLOYER DESCRIPTION:

Job Location: South San Francisco, CA

Salary: DOE

Employer Description: Genentech is among the world's leading biotech companies, with multiple therapies on the market for cancer and other serious medical conditions.

Application Instructions: To learn more about our current opportunities, please visit: <http://careers.gene.com> and reference Req. #1000028847. Please use "Web - Chememployment" when a source is requested. Genentech is an Equal Opportunity Employer

CHEMPLOYMENT ABSTRACT 3945

Position Title: NIH-funded Postdoctoral Research Associate in Medicinal Chemistry (2 positions)

Job Description: Great opportunity to participate in an NIH-funded multi-disciplinary Research Project focusing on the discovery of novel small-molecule therapeutics for new targets for central nervous system diseases. Position requires an individual who is motivated and eager to learn in an integrated collaboration between discovery chemistry and biology teams.

QUALIFICATIONS DESIRED:

Education: PhD in Synthetic Medicinal Chemistry or Organic Chemistry

Experience: 0-2 years past doctorate, experience with multi-step organic synthesis, purification and characterization techniques. Knowledge of medicinal chemistry, structure-activity relationships preferred but not required; good written communication skills and ability to work independently..

LOCATION, SALARY, EMPLOYER DESCRIPTION:

Job Location: Sunnyvale, California

Salary: DOE

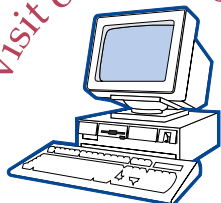
Employer Astraera Therapeutics is dedicated to the discovery of novel medications for unmet clinical needs. Astraera offers a stimulating, collaborative working environment and opportunities for career growth in drug discovery research and development.

Application Instructions: Please submit a CV detailing educational experience and description of types of research projects and chemistry experience to Dr. Nurulain Zaveri at info@astraeatherapeutics.com



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

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<http://www.scvacs.org/newsletter/>

SANTA CLARA VALLEY SECTION

2009 Section Officers

Chair	Natalie McClure	650-906-7831	nmclure@drugregulatoryaffairs.com
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Past Chair	Mark Kent	408-736-0989	markkent@yahoo.com
Secretary	Karl Marhenke	831-688-4959	karlmar@armory.com
Treasurer	Ihab Darwish	650-594-1654	darwishis@yahoo.com

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2009-2011	Ihab Darwish	650-594-1654	darwishis@yahoo.com
2009-2011	David Parker	408-615-4961	dparker@santaclaraca.gov
2009-2011	Bruce Raby	408-294-6718	alanice811@att.net
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Newsletter

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ChemPloyment Abstracts

Director: **Charles Sullivan** 650-728-7034 cdansullivan@sbcglobal.net

FUTURE MEETINGS

- Oct 15** Dr. Elizabeth Furukawa
How the FDA Regulates
Nanotechnology in Food Containers
and Food Processing
Biltmore Hotel, Santa Clara, CA
- Oct 28** CA section ACS meeting
Health Benefits of Wine as Part of
Your Evening Meal - Dr. Valery Uhl
<http://www.calacs.org/caldetail.asp?id=71>
- Nov 2-4** Process Chemistry in the
Pharmaceutical Industry
ACS ProSpectives Conference
Durham, NC
<http://www.proed.acs.org/courses>
- Nov 8-13** 09 AICHE Annual Meeting
Nashville, TN
<http://www.aiche.org/Conferences>
- Nov 18** BioScience Forum Meeting
Dr. Hans Reiser, VP Gilead
<http://www.biosf.org/programs.htm>
- Nov 19** Dr. Tom Lane, President, ACS
Dr. Jeanette Medina
Teacher-Scholar Awardee for
CA Community Colleges
Biltmore Hotel, Santa Clara, CA