

Dr. Colucci Ríos, US Patent & Trademark Office, to Speak at May Meeting

On May 17th, CSW will host a Saturday brunch meeting at La Tasca in downtown Washington, DC. The featured speaker will be Dr. José A. Colucci Ríos from the US Patent & Trademark Office. Additional meeting details can be found on page 2.

Dr. José A. Colucci Ríos earned his doctoral degree from University of Wisconsin-Madison in Chemical Engineering, characterizing fuel cells for synthesis of chemicals and pollution abatement applications. Presently, he is a Patent Examiner at the US Patent & Trademark Office in the Electrochemistry Art Unit. Previously, he was a Professor of Chemical Engineering at the University of Puerto Rico-Mayaguez (UPRM). He received teaching and research awards, and professional service recognitions such as Distinguished Scholar Lecturer (2011), Chemical Engineer of the Year in Puerto Rico, Distinguished Chemical Engineering Professor (UPRM-CHEME) and Researcher (UPR) and a 2009 EPA Environmental Quality Award. He has both industry and management experience. In the former, he fast-tracked (7 years) from Research Engineer to Market Manager. This includes a two year assignment as a Business Analyst working, defining, and approving capital appropriation requests, budget/actual reconciliations, and strategic plans compilations with total annual budgets of approximately 800 million dollars. He also developed and implemented the next generation of UCC C3 to C12 alcohols catalysts using both liquid and gas phase hydrogenation reactors. In addition, he developed Operational Safety Standards for high risk operations. Dr. Colucci held multiple leadership positions at UPRM, including Head of the Chemical Engineering Department, Associate Dean of Research in Engineering, and UPRM R&D Center Director. His pioneering work in the areas of biodiesel, fuel cells, and other renewable strategies and technologies is widely recognized in Puerto Rico.



Abstract, “Sustainable Energy Is Far More Than Renewable Energy”

The world’s complex problems require a holistic approach that integrates the expertise and will of many diverse fields and individuals. Sustainability, including energy, presents a holistic approach to integrate not only the technological dimension, usually tied up with economic considerations, but also the environmental and social dimensions of development. There is also an ethical dimension to sustainability, and any sustainable strategy must occur within the limits imposed by Nature. In

...cont. on page 4

Message From the President

Contributed by Kathryn Hughes, CSW President

It’s hard to believe it’s already time for the May issue of the *Capital Chemist*. We’ve already had a busy year at the CSW, with dinner meetings covering topics ranging from TSCA reform to arsenic’s role in history to catalysis research that is opening new opportunities for research and development. We’ve recognized excellent student research at the graduate and undergraduate level, outstanding teaching in our area, and our 2013 Hillebrand Prize winner. We’ve also had a great number of outreach activities and local events sponsored and supported by CSW. To highlight just a few:

- In February, the YCC and National Associate of Chemical Distributors held the “You Be the Chemist” Challenge at Marymount University.
- In March, local high school students participated in

the Chemistry Olympiad. Good luck to our local nominees in the National Exam being held this month!

- In April, we are supporting Chemathon and the ACS booth at the USA Science & Engineering Festival.
- In May, we’ll be having our first “brunch” meeting as a change of pace from the dinner meetings. Let us know what you think.
- Also in May, we’ll be expecting to receive and review the applications for our local Project SEED program, which has grown spectacularly in recent years. Our thanks to all the teachers, parents, and mentors who support the program and to ACS for its generous financial support!

...cont. on page 3

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THE CHEMICAL SOCIETY OF WASHINGTON PRESENTS: 1127th Meeting

May 17th, 2014
La Tasca
722 Seventh Street, NW
Washington, DC 20001

Agenda

11:30 a.m.: Check-in
12:15 p.m.: Brunch
1:00 p.m.: Featured Speaker, Dr. José Colucci-Ríos

Cost \$25.00 Members & guests,
\$12.00 Students

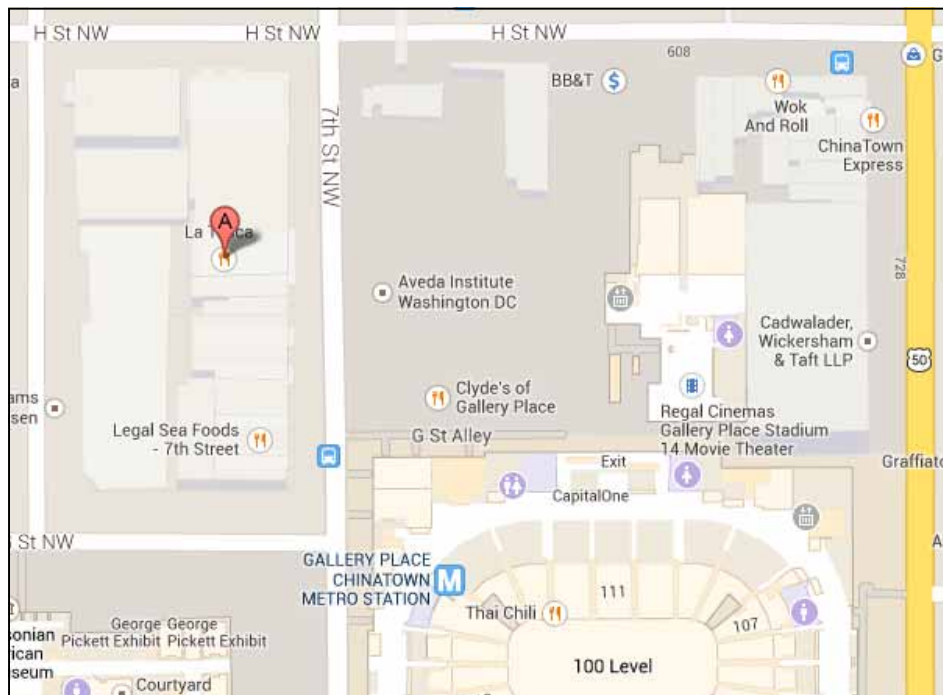
The brunch menu will consist of a variety of tapas, including Tortilla de Patatas (Potato Egg Omelet), Buey a la plancha (New York Strip Steak), Esparragos (Grilled Asparagus), Gambas al Ajillo (Sautéed Shrimp), Rulada de Salmon (Grilled Salmon Stuffed w/Shrimp Mousse), Empanadas (Chicken and Cheese Empanadas), and unlimited Sangria, Mimosas, and Cava.

Reservations: Make reservations by **Thursday, May 15, 2014, 12:00 noon**, online at <http://may2014csw.splashthat.com>. If you are unable to make your reservation online, please call the CSW office at 202-659-2650. Please designate the names in your party. The public is invited to attend. You may attend the talk only, but reservations are appreciated. **Those who make a reservation, but are unable to attend, should send a check for the cost of their meal to the CSW office.**

Directions: La Tasca is located directly across from the Verizon Center in the heart of the Chinatown district.

Parking: Parking is available in nearby commercial parking garages. **You should check the individual meters for details and payment methods as some are no longer coin-operated.**

Metro: Gallery Place (Red, Yellow, Green Line)



Volunteers Needed for Anacostia Environmental Youth Summit

Contributed by Richard Goodman, Environmental Sustainability Committee

The Environmental Sustainability Committee (ESC), in collaboration with the Younger Chemists Committee (YCC), will participate in the Anacostia Environmental Youth Summit (AEYS) at Anacostia Park in DC on Friday, May 16th. Each year, approximately 400 District students are invited to attend this outdoor event, where they interact with environmental educators from numerous public and private organizations and engage in hands-on learning experiences. Sponsored by the District's Department of the Environment, the program highlights the various aspects of environmental stewardship. CSW's ESC participated last year and will again offer demonstrations on the nature of carbon dioxide as a greenhouse gas, as well as its properties in the form of dry ice, and by launching a rocket with carbon dioxide gas as the fuel. A second station will feature the use of a chemical packet to clean up dirty waters, especially useful for third world locales, and the role of green detergents in sustaining the environment in more affluent areas. The ESC and YCC welcome any CSW members who wish to help out on this very fun day. Demos start approx. 9:30 AM and run through about 2:00PM.

Awards Presented at April Dinner Meeting

Contributed by Kathryn Hughes, CSW President

On Thursday, April 10, the CSW had a celebratory night as the section recognized its recent Hillebrand and Schubert awardees with a dinner and talk at the University of Maryland in College Park. After a toast and time for attendees to mingle and chat, the Schubert Award winners, Kimberly Duncan of Flint High School and Jerry Turner of Robert Montgomery High School, were recognized for their outstanding efforts teaching high school chemistry. When the applause died down, Alan Anderson presented Michael Doyle with the Hillebrand Prize, the highest award given by the section, citing his groundbreaking research, mentorship of young chemists, and leadership in the community. Attendees were then invited to move to a lecture room to hear Mike's talk entitled "Dirhodium, Dinitrogen, and Determined Influences from Talented Associates," which was an entertaining and educational overview of his academic research career. His love of chemistry and catalysts and joy in the successes of his students and postdocs was as evident as always. It was a wonderful evening, and CSW is proud to be able to acknowledge and support these outstanding members of our local chemistry community. Look for photos soon on the CSW website!

Message From the President, Continued from Page 1

In addition to these events and activities, many of our committees are hard at work planning summer and fall events, so more is yet to come. Though the *Capital Chemist* is dormant over the summer, CSW is not. Please keep an eye on the website and your email for information about upcoming events. Have an idea? Please send us a note at csw@acs.org. What could we be doing better? What are we doing well? We want to hear it all.

Before I sign off, I do want to give my thanks to Kristy Martin, our administrative coordinator, who will be moving on from CSW in August of this year. She has been a wonderful colleague to us all, and we will miss her support, her humor, and her excellent work keeping us all on track. Thank you, Kristy, for everything you've done for our organization, and we wish you and your family all the best.

With that, I'll wish you a wonderful, warm, and hopefully not-too-humid summer. I hope to see you at a CSW event later in the year!

Calendar of Events



May 2, 2014
Project SEED Applications Due
More information on page 8

May 16, 2014
Anacostia Environmental Youth Summit

May 17, 2014
May CSW Meeting
More information on page 1

May 26, 2014
Student Travel Award Applications Due
More information on page 4

June 2, 2014
Schubert Award Nominations Due
More information on page 5

June 16, 2014
CSW Officer Nominations Due
More information on page 6

June 17-19, 2014
GC&E Conference
More information on page 4

August 10-14, 2014
ACS National Meeting
San Francisco, CA

**Please join us in congratulating
Ajay Mallia, recipient of the 2014 E.
Ann Nalley Award for Outstanding
Volunteer Service from the Middle
Atlantic Region of the ACS.**



Congratulations, Ajay!

2014 CSW Student Travel Award Application Process

The Chemical Society of Washington is pleased to announce a travel award to defray travel and/or registration costs to a National ACS meeting. Eligible expenses include meeting registration and travel expenses, such as airfare and lodging. Applicants should submit the following to CSW (csw@acs.org) by May 26, 2014:

1. A cover letter stating how and why attending this ACS meeting will promote the applicant's career;
2. The applicant's CV;
3. A letter of recommendation from the student's mentor explaining why the student deserves the award and how this will help the applicant's professional development;
4. An accepted abstract with proof of acceptance.

Within three weeks of returning from the ACS meeting, the awardees should submit receipts to the Treasurer for any or all of the eligible expenses described above, after which the Treasurer of the Chemical Society of Washington will issue a check to each of the awardees. After returning from the conference, awardees will be asked to present their posters at one of the upcoming CSW dinner meetings.

The award is not intended for post-doctoral fellows. There will be a maximum of 4 awards available for each National meeting. Each award will be for \$500 and award of this stipend will be based on the review of the above materials. The award is open to undergraduate and graduate students in the jurisdiction of the Chemical Society of Washington.



18th Annual Green Chemistry & Engineering Conference (GC&E) - June 17-19, 2014, Bethesda, MD - Hosted by the ACS Green Chemistry Institute®

GC&E is the premier conference on Green Chemistry and Engineering. Hundreds of participants come together every year to share research as well as education and business strategies to ensure a green and sustainable future.

Register today to explore green chemistry and engineering advancements over three days of programming featuring more than 25 technical sessions, poster sessions, green exhibit hall, and keynote lectures. Special events include the GC&E Student Workshop held on June 16th, a Careers Workshop, and a 2014 GC&E Business Plan Competition.

This year, the conference will be held at Bethesda North Marriott Hotel & Conference Center in Bethesda, MD, just outside of Washington, DC. [Learn more about the green chemistry conference.](#)

Speaker Abstract, Cont. from Page 1

comparison, renewable energy technologies focus mainly on sound economic and environmental factors. The concept of sustainability evolved from ideas about human impact on the environment and the welfare of people. One of the first international forums on the subject was the United Nations Conference on the Human Environment held in Stockholm in 1972.

There are many definitions of sustainability or sustainable development. In fact, there is literature comparing the various stances on sustainability, classifying definitions in terms of weak, strong, or normative sustainability. There are also various indicators of sustainability, such as those from the World Bank, the European Union, and the UN. Perhaps one of the best-known definitions of sustainable development is from *Our Common Future* (UN) and deals with how we use resources today in a way that does not compromise the ability of future generations to meet their needs. Wider exposure was given to sustainable development in the 1992 UN Earth Summit in Rio de Janeiro.

Besides conflicting definitions, there are opposing views to sustainability, for example how can we determine the most important needs that future generations will have. Nevertheless, a sustainable future is a vision desired by all sectors in society. This presentation focuses on general concepts and priorities that are being considered for a sustainable energy world including resilience, externalities, stressors, etc.

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Now Accepting 2014 CSW Award Nominations

Leo Schubert Memorial Award

The Leo Schubert Memorial Award recognizes an outstanding teacher of high school chemistry in the Washington, D.C. area. The award was established in 1979 to honor Dr. Leo Schubert, a chemistry professor at American University who devoted much of his career to developing programs for high school teachers and students. The award consists of a \$500 honorarium and a certificate, which will be presented at the December CSW dinner meeting.

Nominations for the award must be comprehensive and include supporting letters as well as details about the nominee's accomplishments in areas such as innovation in teaching, writing curricula, outside teaching, papers published, involvement in science fairs, and postgraduate study. A nomination form can be obtained via an e-mail request to csw@acs.org.

Eligibility: the nominee must teach chemistry at a secondary school in the geographic region of the Chemical Society of Washington, Washington, D.C., which includes neighboring counties in Maryland and Virginia. Please contact the Chair of the Awards Committee, Michael P. Doyle, mdoyle3@umd.edu, if you have any questions. Completed nominations should be submitted by Monday, June 2, 2014.

Charles L. Gordon Memorial Award

Named after Charles Gordon for his years of service as managing editor of the *Capital Chemist*, the Charles L. Gordon Memorial Award is given in recognition of exemplary service by a CSW member to the profession of chemistry, to the science of chemistry, and/or to the Chemical Society of Washington. Nominations are invited for this award, consisting of a plaque that will be presented at the December CSW dinner meeting. A written nomination should include a description of the accomplishments on which the nomination is based. Additional documentation that includes seconding letters and the nominee's CV are welcome.

Completed nominations for the Charles L. Gordon Award are due on or before September 13, 2014. The nomination should be submitted electronically to csw@acs.org. Please contact the Chair of the Awards Committee, Michael P. Doyle, mdoyle3@umd.edu, if you have any questions.

Community Service Award

Nominations are invited for the Chemical Society of Washington Community Service Award that is given to a member of CSW in recognition of outstanding public service. The annual award, in the form of a certificate, will be presented at the December CSW dinner meeting. A written nomination consists of a letter that describes the contributions of the nominee and why the candidate is deserving of the honor. Additional documentation that includes seconding letters and the nominee's CV are welcome. In order to be eligible for the award, the nominee must be a member of the Chemical Society of Washington (ACS Local Section).

Completed nominations for the CSW Community Service Award are due on or before September 13, 2014. The nomination should be submitted electronically to csw@acs.org. Please contact the Chair of the Awards Committee, Michael P. Doyle, mdoyle3@umd.edu, if you have any questions.

Hillebrand Prize

Nominations are invited for the Hillebrand Prize that is awarded annually for original contributions to the science of chemistry by a member or members of the Chemical Society of Washington. The Hillebrand Prize is the most prestigious honor given by CSW and is recognized nationally as a mark of significant accomplishment in chemistry. The Hillebrand Prize originated in 1924 and is named for Dr. William F. Hillebrand (1853-1925), an internationally recognized pioneer in analytical chemistry and one of Washington's most distinguished chemists. Many previous Hillebrand Prize winners have won numerous other national and international awards, including three who have received the Nobel Prize. The prize carries an honorarium of \$2000. Recent awardees can be found at <http://csw.sites.acs.org/hillebrand.htm>.

The nomination letter is limited to 1000 words. Two seconding letters are required, each limited to a maximum of 500 words, and the nomination package must also contain the nominee's curriculum vitae, including a list of publications and other accomplishments, and a proposed citation of not more than 25 words. The nomination package should be submitted by e-mail, preferably in PDF format, to csw@acs.org. Nominations will be active for three years. In accordance with the CSW Standing Rules, both the nominee and the nominator must be current members of CSW, but this restriction does not apply to writers of seconding letters. All materials must be received by October 15, 2014. The awardee will be announced before the end of the year, and the Prize will be presented at a CSW dinner meeting in 2015 (usually in March). If you would like to verify the eligibility of an individual as a nominee or nominator, please contact the CSW Administrator at csw@acs.org.

Call for Nominations for CSW Officers/Councilors/Managers

The annual election of Officers, Councilors, and Managers of the CSW will be held in November 2014 in accordance with the Bylaws and Standing Rules. All CSW Members are now invited and encouraged to submit nominations for the open positions. Self-nomination is acceptable. Elected members have general charge of the business and affairs of the CSW.

The following positions are open for election this year:

- 3 Councilors and 3 Alternate Councilors serving three-year terms, and 1 Alternate Councilor serving a one-year term
- Treasurer (serving a two-year term)
- President-Elect (one year as President-Elect, one year as President, one year as Past President)
- 6 Managers (serving two-year terms)

Nominations should be submitted to the CSW Office no later than June 16, 2014. All CSW members are eligible for nomination, and CSW welcomes all who are willing to participate, including those who have not previously held positions in CSW. Incumbents are eligible for nomination to the same position (if the term expires) or any other position as Officer, Councilor or Manager. Please note that all candidates will have to fill out a form for publication at the time of balloting.

Current Officers:

President: Kathryn Hughes, NAS; President-elect: Alan Anderson, Bowie State U; Past President: Douglas Raber, Green Point Science; Secretary: Jennifer Tanir, HESI Global; Treasurer: Stefanie Wittenberg, US PTO

Managers:

Through 2014: Christopher Avery, US DOE; Nicole Bolden, US DEA; Deana Jaber, Marymount U; J. Faye Rubinson, Georgetown U; Michael Wagner, GWU
Through 2015: Alan Ehrlich, Stein IP, LLC; Kaitlyn Crawford, UMD; Zory Glaser, JHU; Katrice Lippa, NIST ; Fatima Sequiera, NIST; Kelli Sikorski, UMD

Councilors:

Through 2014: Regina Cody, NASA; Jennifer Tanir, HESI Global; Robert Wiacek, Pixelligent Technologies
Through 2015: Elise Ann Brown, USDA (ret); Michael Doyle, UMD; Kim Morehouse, FDA
Through 2016: Joseph Antonucci, NIST; John Malin, ACS (ret); Jason Schaff, FBI

Alternate Councilors:

Through 2014: Philip DeShong, UMD; Monika Konaklieva, American University; John Ruth, USDA (ret)
Through 2015: Dennis Chamot, NAS; Daron Freedberg, FDA; one vacancy
Through 2016: Richard Goodman, Richard M Goodman Consulting LLC; Richard Jordan, Dickinson Wright PLLC; Bhushan Mandava, Consultant

Nomination Instructions

1. Use the nomination form below, a copy of the form, or submit the requested information using a sheet of paper and labeled "Nomination Form" by mail or electronically. An electronic copy of the form is also available online (csw.sites.acs.org). Send completed form by e-mail to csw@acs.org or by mail to the CSW office at: Chemical Society of Washington, (CSW); Attn: Chair, Nominations Committee; 1155 16th St., NW, O - 218; Washington, DC, 20036.
2. For each nomination, indicate the corresponding office, name of the nominee, and the nominee's telephone number or email address, if known. **IMPORTANT:** If you have determined that the nominee is a CSW member and is willing to be a candidate, please indicate this next to the candidate's name.
3. Please submit your form in time to arrive by June 16, 2014.

2014 CSW Nominations Form – Nominations are invited for the following offices/positions (numbers of positions to be filled shown in parentheses). President-Elect (1); Treasurer (1); Councilors, including Alternate Councilors (7); Managers (6).

For Each Nominee: please indicate the office or position, the name of the nominee, whether the nominee is a CSW member and is willing to be a candidate, and, if known, the telephone number (including area code) and e-mail address of the nominee.

Office/Position: _____

Phone: _____

Name of Nominee: _____

E-mail address: _____

Willing to run (y)? _____

Joining National Committees

Contributed by Alan Ehrlich, CSW Board of Managers, Vice-Chair Council Policy Committee, ehrllichpolin@verizon.net

ACS has over 40 committees that advise the Board of Directors, the Council, or both on matters that could come before those bodies. Committee service is a great way to understand ACS' national machinery, to network with other people interested in ACS governance, and to network with people having shared professional interests. For example, I am a patent attorney, and I started my trip through ACS governance on the Committee on Patents and Related Matters.

The ACS Secretary sent out links for committee preference forms in April to Councilors, Alternate Councilors, current members of committees, and others who have shown interest in a committee appointment. The forms are online and interactive, give a brief description of each committee, and let you know if you have the minimum qualifications for that committee (for example, some are restricted to Councilors). If you are interested in receiving the form, please e-mail Cheryl Vockins at c_vockins@acs.org. Compensation is available for about \$550 per National Meeting for non-Councilors, and more for certain specialized committees. The forms are due June 9.

If you want more information about specific committees, see their web pages at www.acs.org. Click on the governance tab on the second toolbar from the top, then click on the committees link in the middle of the page. Charters for many of the committees are also listed on pages 50 to 55 of Bulletin 5; the link is just below the committees link.

STEM Volunteers Needed

The American Association for the Advancement of Science needs scientists, engineers, and physicians to assist K-12 STEM (Science, Technology, Engineering, Mathematics) teachers in the District of Columbia and adjacent counties during the 2014-15 school year. The details of the collaboration are worked out between the teacher and the volunteer, and may involve giving demonstrations, assisting in lab experiments, lecturing on special topics, assisting with homework, etc. The hours are flexible, and volunteers attend a one-day orientation session before being assigned to schools. To see how volunteers are assisting their teachers, go to www.seniorscientist.org. If you care about K-12 STEM education and have time to share your knowledge with students and teachers, please send a note to bcalinge@aaas.org with your home address, or call 202-326-6629.

Position Opening: Administrative Assistant for the Chemical Society of Washington

The Executive Committee of the Chemical Society of Washington (CSW), a Section of the American Chemical Society (ACS), is seeking an Administrative Assistant for the CSW office in Washington, DC. A potential candidate should be interested in providing support to the CSW president, its officers, and committee chairs. Duties include (but are not limited to) coordinating monthly dinner meetings and events (to include reservations, attendance rosters, programs, awards certificates, funds collection, and host functions); communicating with CSW members via postal- and e-mail; handling, distributing and organizing mail and other correspondence; distributing telephone messages to respective officers; maintaining contact with ACS staff regarding CSW matters; supplying administrative support to the composition and distribution of the *Capital Chemist*; archiving and organizing CSW files; finalizing reports for the Annual Report; and providing information for the website. Responsibilities also include purchasing of all required office supplies and materials.

Although this is a part-time position, as a contractor, enthusiasm for the Society and its activities will be essential to job performance. Compensation for this position is negotiable, as are the flexible hours per week to be worked (anticipated as approximately 10-15 hrs/wk). It should be noted that some of the work has been performed from the home of the current Administrative Assistant.

Please submit your résumé, qualifications and expression of interest in this position ASAP, but not later than **June 6, 2014** to:

CSW Executive Committee
1155 Sixteenth Street, NW
O-218
Washington, DC 20036

Résumés will be accepted, however, until the position is filled even if after the above date. For additional information you may call Kathryn Hughes, CSW President, at (202)659-2650.



Project SEED News

Contributed by Ajay Mallia, Project SEED Chair

Project SEED Student Applications Due May 2

Student Applications for the 2014 Project SEED program are due on May 2 at noon. High School science teachers are needed as sponsors to identify excellent chemistry students to participate in Project SEED and assist in the application process.



Student Eligibility

Academic Requirements: Students entering their junior or senior year in high school and who have completed at least one high school chemistry course are eligible to apply. AP Chemistry is highly recommended.

Family Income Requirements: Students must be recognized as economically disadvantaged to be considered for Project SEED. Preference will be given to students whose family income does not exceed 200% of the Federal Poverty guidelines based on family size.

Application materials

Contact Project SEED chair Dr. Ajay Mallia (vajaymallia@gmail.com) for application forms. Along with the application form, the following are also required:

- Scanned copy of 1040 tax form (tax year 2013)
- One letter of recommendation from a chemistry teacher should be emailed to Dr. Ajay Mallia. The recommendation letter should clearly state the relationship with the student and specify how well and how long the teacher has known the student (for example, include which classes you taught that the student attended.). The letter should clearly describe why the student is exceptional/outstanding and why you think that the student will successfully complete the program.

The Project SEED committee should receive completed application packages by noon on May 2, 2014. Please send materials by email, if possible.

Selection Process

The Project SEED committee will start reviewing applications on May 2, 2014, and the results will be announced by the second week of May, 2014. Students will be shortlisted based on their eligibility, teacher's recommendation letter, and a short essay. Final selection will be determined after the students complete a telephone interview with CSW's Project SEED committee.

Project SEED Needs Your Support!

Project SEED cannot operate without the help from individuals and companies that support the Scientists-in-training. Are you interested in supporting Project SEED? Last year we unfortunately turned away many applicants because of lack of funding. CSW has established the Noel Turner Memorial Fund to help support Project SEED. Your donation will be used for student stipends (\$2500 for the SEED-1 and \$3000 for the SEED-2 students). Your contribution is fully tax deductible. For more information, Ajay Mallia, Project SEED Chair, can be reached by email at vajaymallia@gmail.com, or you may contact CSW at csw@acs.org, or by phone at 202-659-2650.

Save the Date! ACS National Meeting

August 10-14, 2014
San Francisco, CA
"Chemistry and Global
Stewardship"

Abstract Submission open
now

Registration and Housing
opens May 2014

Technical Program
available June 2014



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csw.sites.acs.org/rcg.htm



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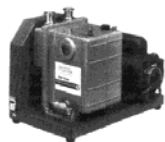
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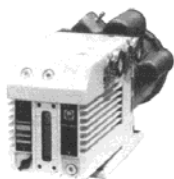
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RECRUITING WEB SITE LISTING DIRECT TO YOUR SITE

There are two important ways to recruit through our services. One is to place a print ad in the Capital Chemist. The other is to place a web site ad reaching out to 40,000 ACS members. We recommend using both low cost methods.

You can view both of these opportunities by going to the link below.
Who uses these options?

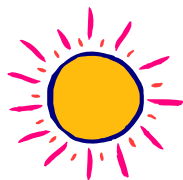
- Companies for lab, management and sales personnel
- University & College teaching positions
- Hospitals for technical and research personnel

We provide more qualified resumes because of the highly targeted technical audience.

info -- www.mboservices.net

Do you have story ideas for the *Capital Chemist*?

Email them to
csw@acs.org!



The Capital Chemist will not be published in June, July, and August, but please keep up with your CSW news by visiting our website at csw.sites.acs.org!



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