

THE CAPITAL CHEMIST



A Publication of the Chemical Society of Washington Section of the American Chemical Society

November Featured Speaker: Edward Eisenstein

Dr. Edward Eisenstein, University of Maryland, will speak at the November dinner meeting on November 19th at The Barking Dog in Bethesda. His talk is entitled, "Bringing Science to the Public: Outreach Matters."

Edward Eisenstein is an Investigator at the University System of Maryland's (USM) Institute for Bioscience and Biotechnology Research (IBBR) and on the faculty of the Fischell Department of Bioengineering at the University of Maryland. He teaches synthetic biology and biological engineering to bioengineering students at College Park. His research at IBBR-Shady Grove is focused on developing plants as manufacturing systems for important compounds by elucidating their genetic and biochemical capacity for biosynthesis, developing broad spectrum disease resistance strategies in plants by re-engineering their innate immune system, and enhancing the economical biomanufacturing of protein therapeutics by developing new bacterial and mammalian host cells through genome engineering. He also has considerable experience in higher education administration, serving as Associate Director of the University of Maryland Biotechnology Institute's (UMBI) Center for Advanced Research in Biotechnology (CARB) from 1996-2000, and Director from 2001-2008, as well as Acting President of UMBI during its reorganization in 2009-2010. At CARB, he developed a passion for science outreach, initiating an internship-based STEM program with Montgomery County Public Schools, which has provided over 150 high school students with intensive research experiences in biotechnology. Current outreach efforts involve developing Science Cafés for young adults and partnering with various stakeholders to help K-12 teachers and students help meet next generation science standards.



Abstract, "Bringing Science to the Public: Outreach Matters"

Scientific research contributes in countless ways to the prosperity and quality of life of people. A sustainable and predictable financial investment is required for scientists to continue to make key advances that help provide next generation solutions to global problems. Yet as more progress is made in all areas of science, US federal funding over the last several years has decreased, and ranks low among developed countries. Among the many challenges to maintaining funding for research, science is complicated, expensive, and unpredictable. It is therefore becoming increasingly essential for scientists to communicate effectively to our stakeholders at all levels of society, from K-12 students, parents, and teachers, to our legislators and policymakers, and to enhance the public's understanding of their work, its importance, and its impact for transforming their lives. Several approaches will be discussed for increasing the ability of scientists to communicate more effectively with the general public. Additionally, strategies will be presented to increase the interest of our best and brightest students to pursue careers in science, and opportunities will be related for enlisting scientists in a variety of programs to enhance public support for a sustainable research enterprise.

Volume 64, Number 8

November 2014

Featured Items:

- Read about Edward Eisenstein, the featured speaker at the November meeting
- Learn about the CSW Student Travel Award Process
- Read about the "Simply Speaking" webinar YCC held on October 7th
- Don't forget to vote in the CSW election by November 15th!

Inside this issue:

November Dinner Meeting 2

CSW Student Travel Awards 2

Voting Reminder 3

Younger Chemists Committee 3

Dinner Meeting Details

When: Wednesday, November 19, 2014 at 6pm (dinner at 7pm, presentation at 8pm)

Where: The Barking Dog (4723 Elm Street, Bethesda, MD 20814)

Cost: \$26.00 Members & guests, \$13 Students

Menu: Dinner will be served buffet-style, with choice of entrée: flank steak, chicken masala, or mahi mahi. All will be served with mixed green or caesar salad, plus bread, vegetables, starch (rice or potato), beverage (soda, tea, and coffee), and dessert.

Reservations: Make reservations by Monday, November 17, 2014, 12:00 noon, to the CSW office: csw@acs.org or 202-659-2650. Please designate the names in your party and your choice of entree. 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.

Parking/Metro: Parking is available via metered spaces or local parking garages. The closest metro stop is the Bethesda station (Red line).

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 (email: csw@acs.org) by January 16, 2015:

1. A cover letter stating how and why attending this ACS meeting will promote his/her 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 his/her 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 CSW 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 postdoctoral 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 students who are graduate students in the jurisdiction of the Chemical Society of Washington.

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 program). Your contribution is fully tax deductible. For more information contact the CSW Project SEED chair, Dr. Ajay Mallia (vajaymallia@gmail.com) or CSW (csw@acs.org, 202-659-2650).

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Have You Voted?

Contributed by Kathryn Hughes, CSW President

It's election season here at CSW! By now, you should have received either an electronic or paper ballot delivered by VoteNow for our local section's election. We're very lucky to have a great slate of candidates for the positions of President-elect, Treasurer, Councilor, and Manager. Please take a few minutes to review their statements and help decide the future of our organization. If you have any questions about the candidates, the voting process, or the different roles within the CSW, please let us know by sending an email to csw@acs.org. As a reminder, voting closes November 15.

Candidate Statements can be found on the CSW website at <http://csw.sites.acs.org/chapter.htm>.

Younger Chemists Committee (YCC) News and Events

Contributed by Dr. Ajay Mallia and Dr. Deana Jaber, YCC-Chair

'Speaking Simply' Webinar Was A Great Success

The CSW Younger Chemists Committee participated in the webinar "Speaking Simply: Communicating Your Science" on October 7, 2014, from three different locations: Virginia (Marymount University), Maryland (University of Maryland, College Park), and Washington, DC (Georgetown University) and it was a big success. The event was moderated by Dr. David Harwell, (Assistant Director, ACS Industry Member Programs). Dr. Doug Dollemore (Senior Science Writer, ACS Office of Public Affairs) started the presentation by explaining simple ways of talking about chemistry by using storytelling and focusing on why the research is important. In the second part, Dr. Darcy Gentleman (Science Communicator, ACS Office of Public Affairs), spoke about presenting graphs and visuals in a simple and elegant way. Participants enjoyed the demonstrations as well as the webinar. The event was sponsored by the CSW-YCC, the Marymount Science Club, and SAACS-UMD. The webinar was from the Program-in-a-Box series, supported by the ACS Committee on Local Section Activities and the ACS Young Chemists Subdivision of the Division of Professional Relations, and co-sponsored by the ACS-YCC, ACS Office of Public Affairs, and ACS Webinars.



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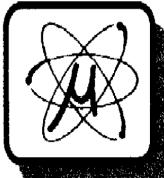
SEARCHING FOR THAT SPECIAL JOB?

There are many companies and organizations searching for chemical and biochemical personnel to fill important jobs in their organizations.

- Companies for laboratory and management positions
- Universities & Colleges for teaching positions and laboratory personnel
- Hospitals for technical and research personnel

There are several web sites that may help you search for these open positions.

- www.mboservices.net
- <http://membership.acs.org/W/WashDC/career.html>



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The Capital Chemist

A Publication of the Chemical Society
of Washington Section of the
American Chemical Society

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GENERAL: The Capital Chemist (ISSN 0411-0080) is published monthly from January to December (except June, July, and August) by the Chemical Society of Washington, 1155 16th Street, NW, Washington, DC 20036. Subscription price for an electronic subscription is included in all membership fees; mailed paper subscriptions are \$10.00 per year.
ISSN 0411-0080

POSTMASTER: Send address changes to The Capital Chemist, 1155 16th Street, NW, Washington, DC 20036.

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CSW Calendar of Events

November

- 11/15: CSW Elections Voting Closes at Midnight
- 11/19: CSW Evening Meeting

December

- 12/1: Board of Managers Meeting

January

- 1/16: CSW Student Travel Award Applications Due