Message from 2018 President  
Allison A. Aldridge, Ph.D.

Happy New Year, and best wishes for 2018. I’m excited and proud to serve the Chemical Society of Washington (CSW) along with the Board of Managers. My candidacy was based upon my following CASE and we are planning events for 2018:

- Champion chemistry’s role in natural resource conservation and environmental stewardship
- Advocate for 21st Century Chemistry Careers in the U.S.
- Sponsor member benefit programs on developing successful grants, postdoc career transition, intellectual property protection and entrepreneurship
- Engage and encourage greater student, industry and government chemist participation

CSW has a robust outreach program that organizes events in our community throughout the year. I am always amazed by the brilliance of children while performing chemistry experiments. I am happy to share that CSW received funding for the Local Section Innovative Project Grant (IPG) proposal, entitled “Kids and Chemistry Demonstration Day: Advancing Chemistry Appreciation Using Chemical Demonstrations.”

I am thankful for the dedicated CSW volunteers. I hope to meet members that have yet to participate in CSW events. I invite you to join us and build new relationships, engage chemistry teachers and help spread the joy of chemistry. Life can be very busy and hectic, so I ask every member to commit to volunteering for one event in 2018. CSW offers programs for Project SEED, Chemistry Olympiad, Chemathon, National Chemistry Week, Earth Day and dinner meetings.

If you are planning a science-based event where volunteers from CSW might be able to help, please send an e-mail to csw@acs.org with the subject line “Request for Volunteers”. Feel free to reach out to me at the same email with the subject line “Message for Allison.” I look forward to hearing from you.

For more information on CSW events, stay connected with CSW by visiting our new website, www.capitalchemist.org and follow us on social media through Facebook (www.facebook.com/ACSCSW), LinkedIn (www.linkedin.com/company/chemical-society-of-washington) and Twitter (@ACS_CSW and @CapitalChemist).
January 11th Dinner Meeting

Rigoberto Hernandez, Ph.D.
Gompf Family Professor Chemistry
Johns Hopkins Department of Chemistry

Dr. Rigoberto Hernandez is the Gompf Family Professor in the Department of Chemistry at the Johns Hopkins University as of July 2016, and remains as the Director of the Open Chemistry Collaborative in Diversity Equity (OXIDE) since 2011. Before Hopkins, he was a Professor in the School of Chemistry and Biochemistry at Georgia Tech, and Co-Director of the Center for Computational Molecular Science and Technology he co-founded. He holds a B.S.E. in Chemical Engineering and Mathematics from Princeton University (1989), and a Ph.D. in Chemistry from the University of California, Berkeley (1993). (Hernandez was born in Güíe, Havana, Cuba but was raised and educated in the United States of America since he was in primary school. He is a U.S. citizen by birthright.)

Dr. Hernandez is the recipient of a National Science Foundation (NSF) CAREER Award (1997), Research Corporation Cottrell Scholar Award (1999), the Alfred P. Sloan Fellow Award (2000), a Humboldt Research Fellowship (2006-07), the ACS Award for Encouraging Disadvantaged Students into Careers in the Chemical Sciences (2014), the CCR Diversity Award (2015), the RCSA Transformative Research and Exceptional Education (TREE) Award (2016), and the Herty Medal (2017). He is a Fellow of the American Association for the Advancement of Science (AAAS, 2004), the American Chemical Society (ACS, 2010), and the American Physical Society (APS, 2011). In 2015-2016, he was a Phi Beta Kappa Visiting Scholar. At Georgia Tech, he served as the first Blanchard Assistant Professor of Chemistry (1999-2001), the first Goizueta Foundation Junior Rotating Faculty Chair (2002-07) and a Vasser Woolley Faculty Fellow (2011-13). His recent board memberships include the National Academies Panel within the Army Research Laboratory Technical Assessment Board (2005-2011), the National Academies Board on Chemical Sciences and Technology (2007-2010), the Telluride Summer Research Conference Board of Directors (2007-09), the NIH Study Section on Molecular Structure and Function B (MSFB, 2009-2013), the DOE Committee of Visitors (Division of Chemical Sciences, Geosciences and Bio-sciences, 2014), the Research Corporation Cottrell Scholars Advisory Committee (member 2011-15, and chair 2016-17), the Sloan MPHAD Advisory Committee (2013-2018) and the American Chemical Society Board of Directors (2014-2019).

Dr. Hernandez's research programs are currently funded by the NSF through a single-investigator grant and the CCI Center for Sustainable Nanomaterials. The OXIDE effort is cofunded by the NSF, DOE and NIH.

Abstract: Diverse Chemistry Topics and the Diversity of Chemistry

The heterogeneity and complexity in the chemistry needed to solve today's grand challenges is increasingly multiscale and out of equilibrium. Examples include the characterization of chemical reaction rates and pathways far-from-equilibrium, the design and characterization of sustainable nanomaterials with requisite function, and the characterization of proteins in motion. Recent advances in the theoretical and computational chemistry of such diverse topics provides a glimpse of the power of our emerging toolkit. The Open Chemistry Collaborative in Diversity Equity (OXIDE) is aimed at institutional reform so as to lower inequitable barriers hindering the success of faculty from diverse groups. The collaborative itself is a partnership with the department heads of research-active chemistry departments, social scientists and other key stakeholders. The lowering of these barriers increases the likelihood that individuals in the tenure pipeline will have equitable chances of success and thereby leads to changes in faculty demographics closer to those of the broader U.S. population. Such diversity is also critical for addressing the complexity in the grand challenges of this century.

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The Capital Chemist
Meeting Logistics

Date: Thursday, January 11, 2018
Time: 6:00 p.m. social hour
6:30 p.m. dinner
7:00 p.m. presentation

Location: ACS Headquarters, Marvel Hall
1155 16th Street, N.W. - Washington, DC

Menu (catered by VIPS Catering): slow cooked pot-roasted beef with potato, carrot, onion, pepper in brown gravy; grilled chicken with leek, celery, caper & mushroom; garlic mashed potatoes with side of gravy; grilled asparagus & charred tomato; Caesar salad; cookies/brownies; dinner rolls/butter.

Vegetarian Option -- You must request the vegetarian option: Cumin & coriander scented grilled tofu topped with peppers & onion; served with a side of pearl couscous, grilled vegetables.

Cost: $22 Members/Guests, $11 Students

RSVP by noon, January 9 to csw@acs.org or by phone (messages only: 202 -659-2650). Please provide the names in your party when you RSVP and if you want the vegetarian option. The public is invited to attend. You may attend the talk only, but reservations are appreciated.

Parking: Parking is available in nearby commercial parking garages. Please be aware that the garage closing times vary. Parking is also available on the street after 6:30 p.m., but be aware that most parking meters are in effect until 10:00 p.m. and may be limited to 2 hours. You should check the individual meters for details and payment methods as some are no longer coin-operated.


CSW Election Results: Your 2018 Officers, Councilors, and Managers

The results of the 2017 CSW elections are below. Thank you to everyone who volunteered to stand for election in this cycle!

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President: Allison A. Aldridge
President-elect: Christopher W. Avery
Immediate Past President: Jason E. Schaff
Secretary: LaKesha N. Perry
Treasurer: Wesley Farrell

COUNCILORS
2018 - 2020
John M. Malin
Sara Orski
Jennifer Y. Tanir

2018 - 2019
Alan J. Anderson
Joseph Antonucci
Judith Faye Rubinson

The Capital Chemist
Student Travel Award Applications due January 25, 2018

The Chemical Society of Washington is pleased to announce a student travel award to defray travel and/or registration costs to the National ACS meeting in New Orleans this Spring (March 18-22, 2018). Eligible expenses include meeting registration and travel expenses, such as airfare and lodging. Applicants should submit the following by Midnight, January 25, 2018, to CSW (email: CSW@acs.org):

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 (c/o csw@acs.org) 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, at $500 each. Award of this stipend will be based on the review of the above materials. The award is open to students who are current members of the Chemical Society of Washington or are enrolled in a degree program at a university within the CSW jurisdiction.

**Volunteer Judges Needed for High School Science Fair**

We have, via the Washington Academy of Sciences, received a request for volunteers to serve as judges for the Blair Magnet High School Science Fair. The fair will be held on the afternoon of Thursday, January 11, 2018 at 51 University Blvd E, Silver Spring, MD 20901. If you are interested in volunteering, please contact Dr. Paul Arveson (paularveson@gmail.com or 301-523-4540). CSW’s Education and Outreach Committee encourages you to help the cause of STEM education by volunteering for this worthy event.

**YCC to host ACS Spring Meeting Practice Presentations**

YCC will be hosting practice presentations before the ACS meeting the weekend of March 10-11. Come give your ACS talk to your peers and get feedback on your presentation before the New Orleans National Meeting! (Other technical presentations in addition to ACS are also welcome).

More details on this event will be in the February Capital Chemist. Mark your calendars!

**YCC Mentor Matching & Career Day Surveys**

YCC is starting a mentor matching program for CSW to pair younger DC area chemists with mentors in their desired career.

The idea is to get responses from CSW members who are looking for a mentor, as well as those willing to mentor others. YCC will not only pair CSW mentors with mentees, but establish a mentor database that can be updated periodically.

If you are interested in participating, please fill out the survey links below. Your information will only be used by YCC organizers for pairing purposes and mentors will always be contacted first to confirm their availability before matches are made.

YCC will also be hosting CSW Career Day in April 2018. We are looking for volunteers to speak, organize, and serve on panels. If you are interested in participating or attending career day, please also fill out those questions in the survey links to let YCC know how you’d like to get involved and what dates in April you are available.

Early Career Chemist Survey: https://goo.gl/forms/enrEP3TDPZrF1xB3
Mentor/CSW Member Survey: https://goo.gl/forms/O9tw3woRgTyvitC2

If you are interested in both mentoring a younger chemist and receiving a mentor, (a great option for folks in the first 5-10 years post-graduation) please fill out both surveys.

In addition to matching mentors to early-career chemists, YCC will provide resources and support to help facilitate these mentoring relationships as appropriate.

We look forward to your participation!
Congratulations to our 50, 60, 70-year members!

CSW honored the 50, 60, and 70 year ACS members at its December 9th Meeting, held at Alfio's La Trattoria Restaurant in Chevy Chase, Maryland.

Honorees Celebrating 50 Years:
Dr. Adorjan Aszalos
Dr. Donald George Barnes
Dr. Donna K. F. Chandler
Dr. Laurence Chung Lung Chow
Dr. Patricia M. Dehmer
Mr. Howard L. Dobres
Dr. James E. Girard
Dr. Charles Tucker Helmes, Jr
Dr. Harry Steven Hertz
Dr. Donald Alvah Juckett
Dr. Nathan Jay Karch
Dr. James Robert Katzer
Dr. Charles Donald Kimble
Dr. William Hayes Kirchhoff
Dr. John Joseph Langone
Mr. G. William Lawrence
Dr. Harvey Alan Lazar
Dr. Eldon Edward Leutzinger
Mr. David Reynolds Lide, Jr
Dr. Arthur L. Lipman, Jr
Mr. Robert Bruce Mac Callum
Dr. Maurice M. Margulies
Dr. Cheryl Lee Marks
Dr. Victor Esteban Marquez
Dr. J. V. Martinez de Pinillos
Dr. Marjorie Malmborg Maryott
Mr. Howard Mc Clain, Jr
Mr. Richard Earl Meyers
Dr. Stanley Richard Milstein
Dr. Chien-Hua Niu
Dr. Roberta Richards Owens
Dr. Jacques B. J. Read
Mr. Paul Gary Richman
Dr. Badaruddin Shaikh
Dr. Edward Gerald Skolnik
Dr. Louis Sokoloff
Ms. Mary Wat Truckssess
Dr. Phillip Jeffrey Wakelyn
Dr. Steven C. Weiner
Dr. Patricia Ann White
Mr. Noel Frederick Whittaker
Dr. Lee Randall Zehner

Honorees Celebrating 60 Years:
Dr. Joseph M. Antonucci
Mr. Herbert James Bahre
Dr. William Joseph Campbell
Dr. James E. Cassidy
Mr. James Herbert Krieger

The Capital Chemist
Dr. Paul E. R. Nordquist, Dr. Albert E. Pohland, Mr. Charles A. Rader, Mr. Norman E. Rawson, Mr. Arnold M. Rosenberg, Ms Elaine G. Shafrin, Dr. B. Vithal Shetty, Dr. Omega L. Silva, Dr. Maxine F. Singer, Mr. G. H. Edward Walden, Dr. James Wing, Mr. Ren Yeh

Honorees Celebrating 70 Years:
Mr. Luther C. Chien, Mr. Louis P. Domingues, Dr. David Firestone

Click here to view bios on each of our honored members!

Photo credits: Used with permission from Kim Morehouse.

2017 SEED Fellows Present Posters at 245th National ACS Meeting

Project SEED 2017 was another success, with students performing research at University of Maryland – College Park, University of Maryland – Eastern Shore (UMD – ES), University of Maryland – Baltimore County, Georgetown University, George Washington University, and the Library of Congress. The 2017 Project SEED Fellows presented their research at the Sci-Mix poster session at the ACS National Meeting on August 21st, along with others from across the nation. The Fellows were supported by family members, CSW volunteers, and chemistry teachers. The SEED coordinator for UMD – ES, Victoria Volkis, accompanied her fellows at the poster session as well. The posters of CSW and UMD – ES fellows were entered into the CSW poster competition, which was judged by Dr. Wesley Farrell, Dr. J. Faye Rubinson and Dr. Bradley Scates. The top three posters received an award. The winners were: Absatou Njie – first place, Maria Rojas – second place, and Cylah Bailey – honorable mention.

The Project SEED program is financially supported by the National program and our local section. Please contribute to the Noel Turner Fund to help sustain our local section program. Checks payable to the Noel Turner Fund can be sent to the CSW Local Section Office at 1155 Sixteenth Street NW, 0-218, Washington, DC 20036.

The search for mentors for Project SEED 2018 is now underway. If you would like to host a student in your group, please contact us by email at csw@acs.org. We look forward to another summer of research with our talented local high school chemists.

The Capital Chemist
Cylah Bailey, UMD-ES, Honorable Mention

Sheku Deen-Tarawalie, CSW

Osogieahon Ewanchi, CSW

Giselle Flores, CSW

Julia Cornish, UMD-ES

Tenneh Dukuly, CSW
Kevin Fuentes, CSW

Daniel Hamzeh, UMD-ES

Yoon Jae Jee, CSW

Christopher Okorie, CSW

Absatou Njie, CSW, First Place

Johaness Osorio, CSW

The Capital Chemist
Photo credits: All photos provided by Allison Aldridge.

2017 Illustrated Poem Contest Winners

Maria Rojas, CSW, Second Place

Malachi Jones, Grade K-2

Arthur Jones, Grade 3-5
Ruby
by Tatiana Samoilov

A bit of crystal in the wearer,

Correctly named, it glows a reddish hue,

Stressed by pressure, it modèle a diamond.

It seems the Businesses glow.

the bit of energy in the earth.

Graphite!
A Limerick by Abigail Svoysky

From lubricants and pencils to meteorites,

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

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Capital Chemist Staff
Voice: 202-659-2650
Email: thecapitalchemist@gmail.com
Twitter: @CapitalChemist

Chair, Publications
Christopher W. Avery

Editor, Business Manager
Jessica L. Rasmussen

Publisher
Chemical Society of Washington

Advertising Manager
MBO Services
PO Box 1150, Marshfield, MA 02050
Vince Gale, Advertising Manager
vincegale@mboservices.net
781-837-0424 voice

CSW Correspondence
CSW, 1155 16th Street, NW, 0-218
Washington, DC 20036
202-659-2650 voice
email: csw@acs.org
http://csw.sites.acs.org

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The Chemical Society of Washington (CSW) is the local ACS Chapter for the Washington, DC area and serves approximately 4,000 members.

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Allison Aldridge

President-elect
Christopher Avery

Secretary
LaKesha N. Perry

Treasurer
Wesley Farrell

Connect with us on Facebook at www.facebook.com/ACSCSW.

CSW Calendar of Events

January 11: CSW Meeting
January 11: Blair Magnet High School Science Fair
January 22: Board of Managers Meeting
January 25: Student Travel Award Deadline
March 10-11: YCC Practice Presentations
March 26: Board of Managers Meeting
May 21: Board of Managers Meeting
September 24: Board of Managers Meeting
November 28: Board of Managers Meeting