

THE CAPITAL CHEMIST

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



CSW October Dinner Meeting - October 26, 2023 - hybrid event



Meeting Logistics

Date: Thursday, October 26, 2023

Time: 6:00 p.m. Check-in/Social Hour
6:30 p.m. Dinner
7:00 p.m. Speaker Presentation

Location: ACS Headquarters – Marvel Hall
1155 16th St., N.W., Washington, DC

Menu: Meal will be catered by VIPS Catering and will feature grilled chicken with artichokes, capers, and tomatoes; vegetarian-friendly mushroom ravioli topped with basil marinara sauce; garden salad; dinner rolls; and cookies/brownies. Beverages will be provided.

Cost: \$25.00 per person (\$12 for students)

An RSVP is required for dinner so we can plan appropriate seating and meals.

RSVP by noon Tuesday, October 24, to csw@acs.org. Please provide the names in your party as well as your contact information when you RSVP. The public is invited to attend. You may attend the talk only at no charge, but reservations are appreciated. If you need any further information or would like to make a reservation, please contact the CSW office by email at csw@acs.org

Zoom Link: <https://tinyurl.com/bdfcucc7>

Parking: Parking is available in nearby commercial parking garages. Please be aware that garage closing times vary. Parking is also available on the street after 6:30 pm, but be aware that most parking meters are in effect until 10:00 pm 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.

Metro: Blue/Orange/Silver Line: McPherson Square or Farragut West.
Red Line: Farragut North

**Volume 73, Number 7
October 2023**

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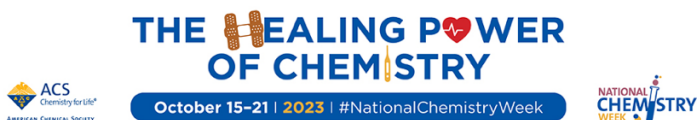
- Teacher Travel Grant
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Please Vote in the CSW 2023 Election!

The Chemical Society of Washington will conduct its election of Officers, Councilors, and Managers-at-Large with electronic ballots. If you are a full CSW member and have a valid e-mail address on file with the American Chemical Society, then on or about October 11 you will receive an e-mail with instructions for accessing the secure voting website and candidate statements, along with a unique voter ID code. The ballot will be sent to the same e-mail address at which you receive official communications from ACS. If your e-mail account has strong spam filters, please "white list" elections@vote-now.com and election.ballot@vote-now.com in order to ensure that you receive your voter ID code. If you haven't provided an e-mail address to ACS, fear not—anyone without an e-mail address on file, or whose ballot e-mail is returned as undeliverable, will receive a paper ballot with voting instructions and candidate statements. As in previous elections, voting will close at 11:59 pm on November 15. Just click, read, and vote! Even better—if you, like many of us, are chronically absent-minded, you will receive two reminder e-mails if you have forgotten to cast your ballot. If you haven't voted in prior CSW elections, please take this opportunity to do so, and help shape the future direction of CSW. If you have questions about the voting process, or if you do not receive a ballot by October 21, please contact us at csw@acs.org.

View Candidate Statements at <https://tinyurl.com/59er7wkh>

Help Celebrate National Chemistry Week October 15-21



This year chemists across the world will celebrate National Chemistry Week 2023 from October 15–21. The theme this year is "The Healing Power of Chemistry."

As part of the celebration, CSW will be hosting the ACS Illustrated Poem Contest for students K-12. Students are invited to create poems and illustrations around the theme, "The Healing Power of Chemistry." Local submissions are judged based on grade categories and local winners advance to the national level where ACS awards cash prizes. To enter, both the poem and an entry form (<https://tinyurl.com/9a3km7td>) need to be submitted to csw@acs.org no later than October 29, 2023, 11:59 pm ET. Poem contest rules and further details can be found on the ACS website: <https://tinyurl.com/2bxkckyy>.

CSW members can also celebrate National Chemistry week by checking out the "Celebrating Chemistry" pamphlet (<https://tinyurl.com/4c72m6va>) published by the American Chemical Society. The pamphlet focuses on the theme of chemistry in healthcare and is full of and information about chemistry, combined with simple and safe activities for students.

Women Chemists Committee invites you to a networking event via Zoom on Oct. 13, 2023 - 3-4pm (ET)

ACS Chemistry for Life®

WOMEN CHEMISTS COMMITTEE

Women Chemists Committee

**Women Chemists of Color
Fall Networking Event**

Discussion Topics

1. Exploring and implementing self-care strategies as a Women of Color in Chemistry
2. Being your authentic self in your professional life
3. Building your network/collaboration for balancing cultural expectations and career advancement

REGISTER HERE: <https://american-chemical-society.zoom.com/meeting/register/tZwpd0GsrTwjGNPeD2q7c65-y1n52ki8Pyat>

**OCTOBER 13, 2023
3:00 – 4:00 P.M. ET**

Dr. Wei Gao
Fellow, The Dow Chemical Company;
Fellow, ACS Polymer Chemistry Division; and
Career Consultant for ACS Career Services

The ACS Women Chemists Committee (WCC) continues its vision of equal representation and influence in the chemistry enterprise through its mission of engagement, advancement, and advocacy for women. In celebration of National Chemistry Week 2023, the Women Chemists of Color (WCoC) is hosting this networking event with discussions on exploring and implementing self-care strategies as women of color in chemistry, being your authentic self in your professional life, and building your network/collaboration for balancing cultural expectations and career advancement. Dr. Wei Gao, Fellow at Dow, ACS POLY Fellow, and ACS Career Consultant will be the keynote speaker. We hope you will join us and connect with your peers in the chemical enterprise, hear inspiring stories, and exchange information. Register today at <https://tinyurl.com/3vmsn4as>.

Workshop: "Empowering Academic Researchers to Strengthen Safety Culture" - October 29, 2023 (via Zoom)

ACS CHAS Peer Led Workshop:

ACS Technical Division
Chemical Health & Safety (CHAS)

Empowering academic researchers to strengthen safety culture

Led by Caroline Donaghy, University of Connecticut and Babatunde Obadawo, University Of Toledo

Sunday, October 29, 2023, 2 - 5:30 PM Eastern Time

Registration for this workshop is \$25 per participant.

This **workshop** is directed at frontline researchers in academic institutions: **graduate students, postdoctoral scholars, and undergraduate students**. Faculty and safety staff are also very much encouraged to participate.

Workshop Goals:

- Educate participants about the value of risk assessment
- Guide participants towards gaining awareness of safety culture messages from leadership at their institutions
- Empower participants to expand their safety networks and develop laboratory safety teams

We're happy to announce the upcoming ACS Division of Chemical Health and Safety Virtual Workshop "Empowering Academic Researchers to Strengthen Safety Culture," scheduled for **Sunday, October 29, 2023, from 2:00 PM to 5:30 PM ET**, via Zoom.

About the Workshop

This interactive workshop provides an opportunity for frontline researchers in academic institutions to learn more about safety culture and gain skills to be leaders in safety. The target audience is **graduate students, postdocs, and undergraduates** in STEM departments, but we also welcome **faculty and safety professionals** interested in supporting the development of Laboratory Safety Teams (LST) (<https://tinyurl.com/2xpdcurr>) and strengthening their institution's safety culture.

If your department has already established an LST, this workshop can also help it grow and mature as well as build connections among students across universities who are working hard to strengthen their safety culture.

Registration Details

The registration fee for this virtual workshop is only \$25 per attendee. Secure your spot by registering before **Friday, October 13, 2023**. For more information and to register, please visit the official workshop at <https://tinyurl.com/3kctxpc>. Upon completion, attendees will receive a certificate of participation, a valuable addition to their resume or portfolio.

Learn More

For those interested in learning more about Laboratory Safety Teams (LST), we recommend checking out the ACS LST webpage at <https://tinyurl.com/2xpdcurr>.

October 5, 2023 JHU Facilities Open House & Tour, followed by Award Lecture and Reception in Honor of 2022 Remsen Awardee Prof. Scott Miller

On Thursday October 5, 2023, JHU Chemistry will host two events of interest to the Maryland community of chemical scientists. Attendees are welcome to attend either event or both.

We are hosting an award lecture and reception in honor of Prof. Scott Miller (Yale University), the 2022 recipient of the Remsen Award from the Maryland Section of the ACS. Just before this celebration, we are also hosting an Open House and tour of our core facilities for potential external users. In the last year, we have added new capabilities in all our core user facilities, including solid state NMR, MALDI, and a Rigaku XtaLAB Synergy-R system capable of handling very small crystals. A flyer about the Open House is attached.

Thursday, October 5

4 pm - 5:30 pm

JHU Open House & Core Facility Tour

Remsen Hall 233

3400 N. Charles St, Baltimore, MD, 21218

<https://goo.gl/maps/WhEjo7CAdi4vUaDG9>

Reception to follow – View flyer: <https://tinyurl.com/3259b828>

6:30 pm

2022 Remsen Award Lecture in honor of Prof. Scott Miller (Yale University)

Remsen Hall 101

3400 N. Charles St, Baltimore, MD 21218

Congratulations to ACS Members celebrating 50, 60 and 70 Years in 2023



CSW 50+ Year Member Appreciation Luncheon

WHEN: Saturday, December 2, 2023

WHERE: Maggiano's Little Italy Tysons Corner
2001 International Drive, McLean, Virginia 22102

The Chemical Society of Washington congratulates the members of the American Chemical Society who have reached their 50th, 60th, and 70th membership anniversary in 2023! It is a pleasure to recognize this milestone and to acknowledge your contributions to the success of the ACS.

View our 2023 Recognized Members: <https://tinyurl.com/natwcu4z>

The Chemical Society of Washington and Senior Chemists committee are pleased to announce that CSW will hold a special luncheon on December 6, 2023, at which we will present an ACS Certificate of Recognition for 50, 60, or 70 years of service. The luncheon will be held at Maggiano's Little Italy Tysons Corner - 2001 International Drive, McLean, Virginia 22102.

Space is limited. Honorees are invited to attend with one guest at no charge.
Members and other guests are invited and will be charged \$35 per attendee.
Students and High School Teachers may attend at half price (\$18).

View the flyer for additional details: <https://tinyurl.com/5n8thm9m>

Volunteers needed for Community Science Night at Parkland Magnet Middle School on November 16th, 2023

The Parkland Magnet Middle School for Aerospace Technology in Rockland, Maryland will be holding a Community Science Night on November 16th, 2023. The Magnet Coordinator and organizer, Patricia Thompson, is seeking volunteers to help with the event. Volunteers can reach out to Patricia at Patricia_C_Thompson@mcpsmd.org.

Volunteers needed for the 8th annual Spooky Mad Science Expo on October 21st, 2023

The Spooky Mad Science Expo is an annual event that celebrates science each year at Halloween with activities for all ages. This year's event will be held at Armistead Boothe Park (520 Cameron Station, Alexandria, VA) on Saturday, October 21 (rain date: October 28), from 3pm to 7pm.

CSW will be participating this year by running chemistry-based activities for kids. We are seeking volunteers to help at this event. Stephanie Moffitt is leading the effort to coordinate the volunteers from CSW. Please contact Stephanie at csw@acs.org to volunteer.

Last year's event was a great success. Volunteers enjoyed connecting with one another and did a phenomenal job bringing their own knowledge and creativity to engage kids in the chemistry activities. The Vice Mayor of Alexandria, Amy Jackson, attended the event and shared this video (opens in Facebook): <https://tinyurl.com/3y2n23kn>.



Wear your costumes and join us for the funniest and scienci-est **FREE** Halloween event! All are invited from ages 3 to 100!

8TH ANNUAL

SPOOKY MAD SCIENCE EXPO

2023

October 21th @ 3pm

**Armistead Boothe Park
520 Cameron Station, Alexandria**

In case of rain the event will be held on
October 28th @ 3pm

Science • Fun • Games • Prizes!

AI Chemistry Math Great Activities & More!

Bubbleology Engineering Games

Join the Science-inspired Halloween costume competition!

www.chrysalisdg.org

For more information please contact Zohreh (571) 421-6181 khosnamak@chrysalisdg.org

Chrysalis
DEVELOPMENT GROUP

Teacher Travel Grant Available for 28th Biennial Conference on Chemical Education

The 28th Biennial Conference on Chemical Education (BCCE), will be held at the University of Kentucky from July 28 - August 1, 2024. The conference will be organized around four themes within the K-12, two-year college, and university communities: Classroom Practice and Learning Environments, Curriculum and Cognition, Assessment and Research Methods, and Professional Development. The deadline for symposium and workshop abstracts is November 10. High school teachers are strongly encouraged to apply for the CSW BCCE Teacher Travel grant (<https://tinyurl.com/ydjwc6pt>) by February 14, 2024. Applicants will be notified of the status of their application by mid-March. Additional details can be found in the application form.

CSW Student Travel Award - ACS Spring 2024 Meeting



Applications are now being accepted:

CSW Student Travel Award

ACS Meeting – Spring 2024

New Orleans, Louisiana – March 17-21, 2024

The ACS National Meeting for Spring 2024 will be held in New Orleans, Louisiana, on March 17-21, 2024. This will be a hybrid event.

The Chemical Society of Washington is pleased to announce a student travel award to defray travel and/or registration costs to the Spring 2024 National ACS meeting. Eligible expenses include meeting registration, travel expenses, airfare, and lodging. Applicants should submit the following by midnight on December 1, 2023 to CSW (csw@acs.org):

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

View the meeting details on the ACS website: <https://callforabstracts.acs.org/acsspring2024>

Within three weeks of returning from the ACS meeting, the awardees should submit receipts 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.

The award is open to students who are graduate and undergraduate students in the jurisdiction of the Chemical Society of Washington. The award is not intended for post-doctoral fellows. There will be a maximum of four awards available. Each award will be for up to \$1,000 of eligible expenses based on the review of the above materials.

After returning from the conference, awardees will be asked to draft a short (1-page) summary of their experiences for posting to the Capital Chemist website and to present their posters, if applicable, at one of the upcoming CSW dinner meetings.

Call for Nominations for the 2023 William F. Hillebrand Prize - Applications Due November 15, 2023



William Francis Hillebrand
December 12, 1853 – February 7, 1925

American Chemist
ACS President 1906

Nominations are invited for the 2023 Hillebrand Prize, awarded annually for original contributions to the science of chemistry by a member or members of the Chemical Society of Washington (CSW), the local section of the American Chemical Society. The Hillebrand Prize is the most prestigious honor given each year 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 early chemists.

The prize carries an honorarium of \$2000. Many previous Hillebrand Prize recipients have won numerous other national and international awards, including three who have received the Nobel Prize. See the list of previous award winners: <https://tinyurl.com/33aym66u>.

The nominating package should contain the following:

Nominating Letter – limited to 1000 words

The letter should focus on the chemical accomplishments of the nominee, rather than the bio of the nominee, from a broad standpoint, leaving the finer points to those submitting seconding letters. Biographic details (degrees, positions held, major activities etc) will be given in the nominee's CV. The letter should begin with the major theme(s) in the nominee's research career with perhaps a summary of how these evolved over the years to create breakthroughs or push the field in a new or very productive direction.

Describing the nominee's major contribution(s) is extremely important and should be the bulk of the letter.

There is no preference or restriction for the specific area of contribution so long as it represents a significant accomplishment in chemistry. Anything is fair game; synthetic or analytical, experimental or theoretical, bio- or inorganic, etc. This section might detail such things as: the major techniques used in their research and how these were applied to a specific area to bring about significant results not previously achievable; if their research resulted in the development of a new experimental/instrumental technique or use of an existing technique in an innovative new way; how techniques the nominee developed became standard in that area; the impact the nominee's work had on influencing other areas of research; development of new reagents, catalysts or reaction conditions; development of a new computational method or theoretical approach; etc. The nominator should provide evidence in support of these statements. This could include information about the number of citations, impact factors of certain articles (or aggregate numbers), especially influential articles/book chapters, important invited talks, previous awards by other societies, patents, funding, important leadership positions, etc. Mentioning an extremely productive collaboration is possible so long as the role/contributions of the nominee are clear. The award is not given for mentoring students (as a specific

criteria) but nominators often mention if this has occurred, especially if these students have gone on to significant positions of their own.

Two Seconding Letters – limited to 500 words each

It is helpful if these be from established experts in the nominee's field, and best if they are from experts at institutions other than the nominee's unless a notable expert in the nominee's area is also from the nominee's institution.

Curriculum Vitae – the candidate must be a member of CSW

The CV should strongly emphasize individual academic backgrounds, appointments, publications, presentations, and patents.

List of Publications

This is critical in determining the specific scientific contribution of the nominee or team.

Proposed Citation – limited to 25 words

This is a brief statement that should be understood by chemists in almost any area. It should avoid highly specialized language but still give the reader the area of accomplishment and why this is a significant accomplishment in chemistry. In some ways it is a one or two sentence abstract of the first paragraph of the nominating letter.

We strongly recommend that the nominator collect all materials and forward in one email, preferably as PDF files(s), to csw@acs.org. Nominations will be active for three years.

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. All materials must be received by November 15, 2023. The awardee will be announced before the end of the year, and the Prize will be presented at the CSW dinner meeting in March 2024, or on a date mutually agreeable. If you have any questions about the award or the procedure for nominating someone for the award, please contact our office at csw@acs.org.

Call for Nominations for the 2023 Charles L. Gordon Award - Submissions Due November 15, 2023

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 a spring 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 November 15. The nomination should be submitted electronically to csw@acs.org. Please contact CSW (csw@acs.org) if you have any questions.

Call for Nominations for the 2023 Leo Schubert Memorial Award - Submissions Due November 15, 2023

The Chemical Society of Washington (CSW) is pleased to announce the call for nominations for the Leo Schubert Memorial Award to recognize an outstanding high school chemistry teacher in the Washington, D.C. area. The award was established in 1979 to honor Dr. Leo Schubert (1916-1978), a chemistry professor at

American University who devoted much of his career to developing programs for high school teachers and students. The Schubert award consists of a \$500 honorarium and a certificate, which will be presented at a spring CSW dinner meeting.

Nominations for the award must be comprehensive in describing the nominee's accomplishments in areas such as innovation in teaching, writing curricula, outside teaching, papers published, involvement in science fairs, and postgraduate study. The application may also include supporting letters, as well as any supporting documents that concisely illuminate the nominee's accomplishments.

To be eligible for the CSW Schubert award, the nominee must currently teach chemistry at a secondary school in the geographic region of the Chemical Society of Washington, which includes metropolitan Washington, D.C. and the neighboring counties in Maryland (Montgomery, Prince George's, Charles, Calvert and St. Mary's Counties) and Virginia (Arlington, Fairfax and Loudoun Counties). The region of CSW also includes six counties on the Eastern Shore of Maryland: Caroline, Talbot, Dorchester, Wicomico, Worcester, and Somerset.

The CSW Schubert Award nomination form is available directly via The Capital Chemist:
<https://tinyurl.com/29sa3bau>

Alternatively, a pdf version of the nomination form can be obtained by an email request to csw@acs.org. Completed nomination forms can be sent directly to csw@acs.org. All nominations must be submitted by November 15. Please contact CSW (csw@acs.org) if you have any questions.

CALL FOR NOMINATIONS: Gustavus John Esselen Award for Chemistry in the Public Interest - Deadline to Submit is October 13th



NORTHEASTERN SECTION AMERICAN CHEMICAL SOCIETY, INC. THE GUSTAVUS JOHN ESSELEN AWARD COMMITTEE

11 THAXTER STREET
HINGHAM, MA 02043

PHONE (617) 620-8315
EMAIL JPiperGrady@gmail.com

The Northeastern Section of the American Chemical Society is pleased to invite nominations of worthy candidates for the Gustavus John Esselen Award for Chemistry in the Public Interest. This award recognizes a chemist for outstanding achievement in scientific and technical work that contributes to the public well-being. The award consists of a \$5000 prize and a medal of recognition. The presentation takes place at an award ceremony in April at Harvard University, followed by a formal address by the awardee. The tentative date for this ceremony is April 11, 2024.

The award was established in 1987 to honor the memory of Gustavus John Esselen, a distinguished scientist, entrepreneur, and member of the Northeastern Section. The first awardees were F. Sherwood Rowland and Mario J. Molina, who subsequently received the Nobel Prize. Since then, other Esselen Award recipients have also been Nobel awardees and many have been recipients of the most prestigious awards in their various fields.

Please note: any field of chemistry or affiliation is appropriate for nomination. The primary consideration of the committee is that the scientific work has been an important contribution to the public well-being and that the work's significant value to society has become apparent within the last five years or so.

This letter is to seek nominations of colleagues whose work meets the criteria and purpose of the award. The enclosed brochure provides more detail on the nature of the award, a list of previous awardees as well as the criteria and procedure for nominations. Additional information is available at http://www.nesacs.org/awards_esselen.html.

The deadline for nominations is October 13, 2023.

Download Brochure: <https://tinyurl.com/kc4tbzrh>

CSW Member Publication Submission



CSW Member Publication Submission

We would like to highlight the work of CSW Members' accomplishments in terms of publications, book chapters, op-eds, reports, and presentations at local/national/international meetings. If you have such contributions, please complete the Google form using the link below.

Google Form: <https://forms.gle/zRhFLkRWMdPXoLXNA>

Note that submission does not imply that your work is guaranteed to end up in the newsletter or website. We reserve the right to remove submissions that may be controversial or upsetting to others.

View the full list of submitted publications on the *Capital Chemist* website at <https://capitalchemist.org/2023/01/csw-recent-publications>.

The Capital Chemist

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The **Chemical Society of Washington (CSW)** is the local ACS Chapter for the Washington, DC area and serves approximately 3,500 members.

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CSW Calendar of Events

- October 5: JHU Tour and Lecture
- October 13: WCC Networking event
- October 15-21: National Chemistry Week
- October 21: Spooky Mad Science Expo
- October 26: CSW Dinner Meeting
- October 29: Illustrated Poem Contest Deadline
- October 29: Safety Culture Workshop
- November 15: Nomination submissions due for Schubert and Gordon Awards, and Hillebrand Prize
- November 15: Deadline to vote in CSW election
- November 16: Community Science Night
- November 16: CSW Board Meeting
- December 1: Student Travel Award Deadline
- December 2: 50+ year member dinner