

THE CAPITAL CHEMIST

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

2021 Electronic Voting Procedures

The Chemical Society of Washington will conduct its election of Officers, Councilors, and Managers with electronic ballots. If you are a full CSW member and have a valid email address on file with the American Chemical Society, then on or about October 11 you will receive an email 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 email address at which you receive official communications from ACS. If your email 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 email address to ACS, fear not—anyone without an email address on file, or whose ballot email is returned as undeliverable, will receive a paper ballot with voting instructions and candidate statements. Candidate statements are also posted on the CSW website. As in previous elections, voting will close at 11:59 pm on November 15th. Just click, read, and vote! Even better—if you, like many of us, are chronically absent-minded, you will receive two reminder emails 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.

CSW Elections: Candidates

President-Elect (vote for 1)

Alessandra Zimmerman

Secretary (vote for 1)

Brian Rolczynski

Councilor (vote for up to 3)

Allison Aldridge

Richard Goodman

Monika Konaklieva

Stephanie Moffitt

Janice Reutt-Robey

Matthew Windsor

Alexander Zestos

Manager (vote for up to 6)

Kristy Crews

Leila Duman

Bryan Ericksen

Carissa Hunter

Xiaoyong Lu

Lee Nagao

Candidate Statements can be found on the CSW website at <https://capitalchemist.org/candidates-full-list-2022/>.

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Inside this issue:

- Register for the ACS Chemical Health & Safety workshop
- Stay tuned for details about the October CSW meeting
- View the recording from the September CSW meeting
- Read the Counselor Talking Points from recent meetings
- Apply for Student Awards in Green Chemistry
- Apply for the CSW Student Travel Award
- Submit a proposal for the 2022 GC&E Conference
- Learn about this year’s National Chemistry Week theme, and host an Illustrated Poem contest
- Nominate a colleague for the Hillebrand Prize, Gordon Award, or Schubert Award
- Register to attend a webinar with Dr. Malika Grayson

ACS Chemical Health and Safety Workshop: October 17, 2021, 2:00-6:00pm (ET)

The ACS Division of Chemical Health and Safety Workshop "Empowering Academic Researchers to Strengthen Safety Culture" will be held again on Sunday, October 17, 2021, from 2:00pm – 6:00pm ET on Zoom. The registration is now open for the workshop, and it is only \$25 per attendee! The workshop is led by graduate students, and it is oriented to graduate students and postdoctoral scholars working in STEM departments. Undergraduate students, faculty, safety professionals, and anyone else interested in strengthening safety culture are also encouraged to attend! This workshop supports the establishment and further development of Laboratory Safety Teams (LST).

For more information and for registration information, please go to the following link:

<https://2021octoberlstworkshop.eventbrite.com/>

The deadline to register is Friday, October 8!

Virtual CSW Meeting in October

Details are still being finalized for the October virtual meeting. The CSW website will be updated with more information and the registration link as soon as information is finalized.

Recording Available from September Meeting

A recording is now available for the joint virtual meeting of the Chemical Society of Washington (CSW) and the Washington Chromatography Discussion Group (WCDG) that took place on September 15, 2021. The meeting featured Dr. Tongtong Xu (Food Chemicals Codex, US Pharmacopoeia) presenting, "Detection of undeclared sweeteners in steviol glycosides by LC/MS."

Recording link: https://american-chemical-society.zoom.com/rec/share/FCEzto2RQHrY4-qbOn9P1fN86fpox-hp5Nh0T8VKviPijQ32tGLMZKxKdn5qc_AW.gEJWIA38XeanR7e9

Councilor Talking Points

The following summary is provided for ACS Local Sections and Divisions on key actions of the ACS Council meeting held virtually on August 25, and the Board of Directors meetings held August 20 and 28, 2021.

View the Councilor Talking Points: <https://capitalchemist.org/wp-content/uploads/2021/09/FINAL-Councilor-Talking-Points-Fall-2021.pdf>

Apply for Student Awards in Green Chemistry by October 8

Scholars studying green and sustainable chemistry are invited to apply to the ACS Green Chemistry Institute's 2022 Student Awards, honoring excellence in research and supporting conference travel.

Applications for three of these awards are due October 8, 2021, while the fourth is due December 31, 2021.

Eligibility differs for each award, but you'll find options for high school, undergraduate and graduate students, post-doctoral scholars, and young professionals from the U.S. and abroad.

For details and application instructions visit: <https://www.gcande.org/students/awards/>. Good luck!

ACS Student Travel Award Highlights:

Heh-Won Chang Green Chemistry Fellowship (\$5,000 award)

The Heh-Won Chang, PhD Fellowship in Green Chemistry provides financial support to full-time graduate students conducting research in green chemistry. Students must present their research at the G&CE Conference. Funds may be used for any purpose, including conference travel, professional development and living expenses, while the recipient is in graduate school. All full-time graduate students across the globe who are currently conducting research in green chemistry and have at least one full year of study remaining in their graduate program are eligible. **The application deadline is 5 p.m. EDT (GMT-4) on Friday, December 31, 2021.**

<https://www.acs.org/content/acs/en/funding-and-awards/awards/gci/heh-won-chang-fellowship.html>

Joseph Breen Memorial Award (up to \$2,000)

Reimburses travel expenses up to \$2,000 for attendance in a green chemistry technical meeting, conference or training program. Undergraduate and graduate students, postdoctoral scholars and young professionals, both international and domestic, are eligible. **The deadline for the Joseph Breen Memorial Fellowship is 5 p.m. EDT (GMT-4) on Friday, October 8, 2021.**

<https://www.acs.org/content/acs/en/funding-and-awards/awards/gci/breen.html>

Kenneth Hancock Memorial Award (\$1,000 award plus \$1,000 travel stipend)

Award for outstanding contributions to green chemistry research & education. The award is announced at GC&E and awardees should present at the conference. Travel and registration to GC&E are reimbursable up to \$1,000. The award is open to undergraduate and graduate students, regardless of citizenship or country of study. **The deadline for submitting applications to the Kenneth G. Hancock Memorial Award is 5 p.m. EDT (GMT-4), Friday, October 8, 2021.**

<https://www.acs.org/content/acs/en/funding-and-awards/awards/gci/hancock.html>

Ciba Travel Award in Green Chemistry (up to \$2,000)

Reimburses travel expenses up to \$2,000 for U.S. high school, undergraduate and graduate students to attend an American Chemical Society (ACS) technical meeting, conference or training program. **The deadline for the 2022 Ciba Travel Awards in Green Chemistry is 5 p.m. EDT (GMT-4) on Friday, October 8, 2021.**

<https://www.acs.org/content/acs/en/funding-and-awards/awards/gci/ciba-travel-awards-in-green-chemistry.html>

CSW Student Travel Award Deadline December 1st

The ACS National Meeting for Spring 2022 will be held in San Diego, March 20-24, 2022. This will be a hybrid event (in-person and virtual).

The Chemical Society of Washington is pleased to announce a student travel award to defray travel and/or registration costs to the Spring 2022 National ACS meeting in San Diego. Eligible expenses include meeting registration, travel expenses, airfare and lodging. Applicants should submit the following by Midnight December 1, 2021 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.

Learn more about how to submit an abstract for the National ACS Meeting on the ACS website: <https://www.acs.org/content/acs/en/meetings/acs-meetings/abstract-submission/call-for-abstracts.html>

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. 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 Symposia: The 26th Annual Green Chemistry & Engineering Conference

The ACS Green Chemistry Institute® and 26th Annual Green Chemistry & Engineering Conference Advisory Committee invite your proposals for outstanding, innovative and diverse technical sessions covering the breath of sustainable and green chemistry and engineering.

Consider crafting a session around the theme, "Thinking in Systems: Designing for Sustainable Use," and submit your proposal **by October 11, 2021**. For more information and guidance on how to submit a proposal, visit the following link: https://www.gcande.org/about/call-for-symposia/?cid=sc_gci_gce_8_11_21



GC&E will be held in-person in Reston, Virginia, June 6-8, 2022.

National Chemistry Week - October 17-23, 2021



National Chemistry Week (NCW) is a public awareness campaign that promotes the value of chemistry in everyday life. ACS members and chemistry enthusiasts celebrate NCW by coordinating events and communicating the importance of chemistry. Each year the American Chemical Society's (ACS) NCW campaign reaches millions of people with positive messages about the contributions of chemistry to their daily lives. NCW is a community-based annual event that unites ACS local sections, businesses, schools, and individuals in communicating the importance of chemistry to our quality of life. It is the one time during the year that chemists, regardless of background, unite with the common goal of spreading the word that chemistry is good for our economy, our health and our well-being.

This year, we will celebrate NCW October 17-23, 2021 with the theme of "Fast or Slow... Chemistry Makes It Go!" Everything around us is made of molecules, including the air we breathe, the objects we touch, and the bodies we use to run, learn, and laugh. Molecules are very small and can't be seen with the naked eye, but they are very important! Every molecule is made of two or more atoms, which are the building blocks of matter, like the individual bricks in a Lego sculpture. Molecules are in constant motion at all times. When they're in a solid phase, they vibrate against each other. When they're in a liquid phase, they slide past each other. And when they're in a gas phase, they are very spread out. Chemistry is the study of these atoms and molecules, their properties, and their changes. Molecules can change into other molecules as they go through chemical reactions, which happen when molecules break the chemical bonds that hold them together or combine to make new bonds with other molecules, forming new molecules. The starting substances in a reaction are the reactants, and the substances produced at the end of a reaction are called products. Some chemical reactions are so slow that you can't observe a change right away (such as the formation of rust on a piece of metal), and others are so fast that you might miss them if you blink (like when a firecracker pops).

To find out more about what kind of things cause chemical reactions or what makes them go fast or slow can be found in this year's issue of *Celebrating Chemistry*. The electronic version of the Celebrating Chemistry Newsletter is available from the ACS website (www.acs.org/ncw).

More information about local activities will be posted on the CSW (www.capitalchemist.org) website as they become available. For further information, or to volunteer, contact the CSW NCW coordinator via email at csw@acs.org.

National Chemistry Week Illustrated Poem Contest Submissions Due October 24, 2021

Each year, as part of National Chemistry Week (NCW) activities, the American Chemical Society (ACS) sponsors an illustrated poem contest for students in Kindergarten – 12th grades. Schools are encouraged to have a contest within the school as part of their classroom studies and submit one entry per grade category. CSW will be sponsoring a local NCW Illustrated Poem contest. Write and illustrate a poem using the National Chemistry Week theme, "Fast or Slow ... Chemistry Makes It Go!" Your poem can be in any style as long as it is no more than 40 words. All entries must be received no later than Sunday, October 24, 2021. Entries should be

submitted using the ACS NCW Illustrated Poem entry website (<https://www.acs.org/content/acs/en/education/outreach/ncw/plan-an-event/illustrated-poem-contest.html>). Additional information on the contest, as well as NCW, is available on the ACS web site (www.acs.org/ncw).

Call for Nominations for the 2021 William F. Hillebrand Prize

Nominations are being accepted for the **2021 Hillebrand Prize Award**. The deadline to submit a nomination is November 15, 2021.

Nominations are invited for the 2021 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 award winners: <https://capitalchemist.org/2018/06/hillebrand-prize-recipients-by-year/>

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 posts on 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. Since this is only 25 words, you may simply want to provide 1 or 2 examples of previous awardees.

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, 2021. The awardee will be announced before the end of the year, and the Prize will be presented at the CSW dinner meeting in March 2022, or at 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 2021 Charles L. Gordon 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 March 2022 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, 2021. The nomination should be submitted electronically to csw@acs.org. Please contact the Chair of the Awards Committee, Darón Freedberg (Daron.Freedberg@fda.hhs.gov), if you have any questions.

Call for Nominations for the 2021 Leo Schubert Memorial Award

The Chemical Society of Washington (CSW) is pleased to announce the call for nominations for the Leo Schubert Memorial Award to recognize 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 Schubert award consists of a \$500 honorarium and a certificate, which will be presented at the March 2022 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 on the CSW website: https://capitalchemist.org/wp-content/uploads/2020/04/Schubert_nomination_form.pdf

Completed nomination forms can be sent directly to csw@acs.org. All nominations must be submitted by November 15, 2021. Please contact the Chair of the Awards Committee, Darón Freedberg (Daron.Freedberg@fda.hhs.gov), if you have any questions.

CSW-Sponsored Meeting: Hooded: A Black Girl's Guide to the PhD

On behalf of the Chemical Society of Washington (CSW), and sponsored by the Committee on Minority Affairs, we would like to invite you to a virtual speaking engagement with Dr. Malika Grayson. Dr. Grayson is the distinguished author of "Hooded: The Black Girl's Guide to the PhD". This virtual event will be held October 6th, 2021, at 7:00 pm. CSW will be offering a free copy of Dr. Grayson's book to the first 90 registered attendees. The coupon code for the free book will be offered at the end of the event.

Register now: <https://american-chemical-society.zoom.us/meeting/register/tZcpceCgqi8pHNWvUvjT0wWpYSCpGhy7ZjG2>

After registering, you will receive a confirmation email containing information about joining the meeting.

About the Author

Dr. Malika Grayson is the founder of STEMInist Empowered LLC, an organization focused on the empowerment of Women of Color who pursue graduate degrees through personal statement reviews and graduate mentorship. A Fortune 100 global speaker, bestselling author, and mechanical engineer, she has given dozens of workshops and keynotes and is the recipient of many honors, including the Zellman Warhaft Commitment to Diversity Award, National Society of Black Engineers - Mike Shin Award for Distinguished Member of the Year, Adelphi University's Top 10 Alumni Under 10, and BEYA STEM's Modern Day Technology Leader. Her work in STEM has led to her being named one of Trinidad and Tobago's 40 Under 40 Youth Influencers by the country's Ministry of Youth and Sports Affairs. She is also the author of the best-selling book "Hooded: A Black Girl's Guide to the PhD" and has been featured in a number of publications and books, including US Black Engineer and Information Technology magazine, Radiations magazine, and the Wall of Wonder. Her main keynotes and workshops are based on her experiences both in academia and industry and focus on: Networking for Mentoring; Canceling Imposter Syndrome; Navigating the Impossible; Success through Resilience; and Diversity, Inclusion, and Representation in STEM. She has given keynotes globally at numerous schools, universities, and organizations, and remains passionate about sharing her experiences to encourage others on their STEM journey.



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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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President-elect

LaKesha Perry

Past President

Darryl A. Boyd

Secretary

William Hickling

Treasurer

Reyniak A. Richards

CSW Calendar of Events

October 8: Deadline to apply for ACS Green Chemistry Awards

October 11: Submission deadline for GC&E proposals

October 11: Check your email for your CSW election ballot!

October 17 – 23: National Chemistry Week

October 17: ACS Chemical Health & Safety Workshop

October 24: Illustrated Poem Contest Deadline

November 15: Nominations deadline for Hillebrand Prize, Gordon Award, and Schubert Award

November 15: Last day to vote in the CSW Election

December 1: Deadline to apply for CSW Student Travel Award