

THE CAPITAL CHEMIST

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

CSW Project SEED - Call for Students & Mentors/Projects

Every year, the Chemical Society of Washington (CSW) hosts a CSW Cohort with ACS Project SEED (Summer Experiences for the Economically Disadvantaged), where high school students join laboratories across the DMV for a paid summer research internship in chemistry or a chemistry-related field! Through participating in Project SEED, CSW—and our amazing research mentors—support the growth of underrepresented and economically disadvantaged groups in chemistry and chemistry-related fields. You can see that in action on the *Capital Chemist* website by reading about the Project SEED culminating poster session held last year: <https://tinyurl.com/mwx944jv>. You can also learn more about Project SEED on the ACS website (<https://tinyurl.com/ywnj3623>).

For researchers interested in being mentors, you'll need to complete and submit a project proposal no later than Tuesday, February 7th, 2023. Projects can be either in-person or virtual. Please begin by emailing csw@acs.org to request the proposal format and submission form and to be put in contact with the CSW Project SEED chair and DC area coordinator.

For educators who have high school students interested in chemistry/science, who qualify as low-income based on the program criteria (refer to Eligibility Criteria on the Project SEED website: <https://tinyurl.com/45v6bcu>), and who have successfully completed at least one high school chemistry course, please direct them to apply at <https://tinyurl.com/45v6bcu>! Student applications will be accepted starting in February and will run through April. Students who are selected to participate in the program will work in the laboratory (or on a virtual project) for 8-10 weeks during the summer. Students earn \$3,200 the first year and \$3,800 the second year for their research work. In addition, students participate in career development and scientific development programs put together by the CSW Project SEED committee, which includes a career panel, how to present scientific information, and a culminating poster session where students present their research to family, friends, and CSW members!

2023 Board Meeting Calendar

CSW's Board of Managers (BOM) meets quarterly to discuss CSW business and have open floor discussion of new business. This includes all officers and reports of committee chairs. It is open to CSW membership. Dates of the board meetings for 2023 are as follows:

- Mon, March 20
- Mon, May 22
- Mon, September 18
- Thu, November 16

Our meetings are always from 7pm - 9pm and are hybrid (both in-person at the ACS headquarters and on zoom). To attend, please email csw@acs.org one week prior to the meeting to be put on the visitor registration for ACS Marvel Hall or request a zoom link if attending virtually.

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Inside this issue:

- Nominate a colleague for the Schubert or Gordon awards
- Submit a publication to be featured on our website and in our newsletter, and see recent submissions from other members

Call for Nominations for the 2023 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 high school chemistry teacher 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 a spring 2023 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 *Capital Chemist* website: <https://tinyurl.com/2p8suu4m>.

Alternatively, a pdf version of the nomination form can be obtained by emailing csw@acs.org. Completed nomination forms can be sent directly to csw@acs.org. All nominations must be submitted by March 1, 2023. Please contact csw@acs.org if you have any questions.

Call for Nominations for the 2023 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 a spring 2023 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 March 1, 2023. The nomination should be submitted electronically to csw@acs.org. Please contact CSW if you have any questions about the process.

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.

Selected Recent Publications from CSW Members

Stafford, C. M., Guan, X., Qi, Y., Zhang, Y., & Liu, X. (2022). Tuning the surface functionality of polyamide films via termination reaction in molecular layer-by-layer deposition. *Journal of Membrane Science*, 661, 120855.

Breann V. Green, Travis W. Ford, Heather Goldsborough, Mohamed Abdelmotalab, Andrew G. Ristvey, Deborah G. Sauder, and **Victoria V. Volkis** (2022) Extraction of Antioxidants from Aronia mitschurinii Juice Using Macroporous Resins *ACS Omega*, 7, 34, 29877–29885 Publication Date: August 18, 2022 <https://doi.org/10.1021/acsomega.2c02785>

Whitehead, G. S., Karcz, T. P., Tosh, D. K., Jung, Y.-H., Wen, Z., Campbell, R. G., Gopinath, V., Gao, Z.-G., **Jacobson, K. A.**, & Cook, D. N. (2022). Effects of Purinergic Receptor Deletion or Pharmacologic Modulation on Pulmonary Inflammation in Mice. *ACS Pharmacology & Translational Science*, 5(10), 973–984. <https://doi.org/10.1021/acspsci.2c00128>

Cheng-Yueh Ting, Paul T. Kolbeck, Raffaele Colombo, Chacko Chakiath, Megan Rice, Marcello Marelli, and **R. James Christie** Cyclopentadiene as a Multifunctional Reagent for Normal- and Inverse-Electron Demand Diels–Alder Bioconjugation *Bioconjugate Chemistry* 2022 33 (9), 1609–1619 DOI: 10.1021/acs.bioconjchem.2c00222

Knyazev, V. D. (2022) Kinetics of the $R + O_2 \rightarrow R\text{-HO} + OH$ Reactions of Substituted Methyl Radicals: Effects of Cl, F, and CF₃ Substitution and Notes on the RO + O Producing Channel. *Chem. Phys. Lett.*, 808, 140121. <https://doi.org/10.1016/j.cplett.2022.140121>

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

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CSW Calendar of Events

- March 20: CSW Board Meeting
- May 22: CSW Board Meeting
- September 18: CSW Board Meeting
- November 16: CSW Board Meeting