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from the American Chemical Society



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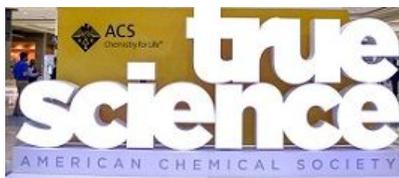
[Archive](#)

Nominations due Feb. 15 for 2020 ChemLuminary Awards | **January 21, 2020**

FEATURE

Online Planner with Technical Program Available for Spring 2020 National Meeting

Plan your ACS Spring 2020 National Meeting & Expo experience with the [Online Planner](#). View the technical program, customize your schedule before the meeting starts, and sync to the Spring 2020 event in the ACS Meetings & Events mobile app when it launches.



Kick off your time in Philadelphia on Sunday, March 22, with the Opening Session around the meeting theme, *Macromolecular Chemistry: The Second Century*. Then join us in the Expo for the Welcome Reception!

On Monday, March 23, the Kavli Foundation Lecture Series will promote groundbreaking discoveries and public understanding of the world's mounting challenges and how chemistry can provide solutions. The series features:

- Prof. Cesar de la Fuente – University of Pennsylvania, *The Kavli Foundation Emerging Leader in Chemistry Lecture*
- Prof. Omar Yaghi – University of California, Berkeley, *The Fred Kavli Innovations in Chemistry Lecture*

[Register and book housing now](#) to join ACS and your colleagues in Philadelphia!

MY ELEMENT



Today's favorite element(s) feature the **lanthanides**, sent in by Olivier Pourret, who says: "As a group they are useful tracers in geochemistry, analogs of actinides, and critical metals for the economy. As William Crookes wrote in 1887, 'These elements perplex us in our researches, baffle us...'" [read](#)

[more](#)

What's your favorite element? Share your story today!

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ADVANCE YOURSELF & YOUR SCIENCE

Free Webinar on New Safety Summaries for ACS Publications

Safe research is good research. Scientists have an ethical obligation to disseminate safety concerns to downstream users of their research. As the premier journals for disseminating chemical research, ACS Publications has enacted a new requirement specifying that authors address safety concerns in work submitted for publication in all American Chemical Society Journals. These new rules will be the subject of "[Meaningful and Concise Safety Summaries for ACS Publications](#)," the next free event from ACS Webinars, to be held Thursday, January 23, 2:00-3:00 PM ET.



Join [Samuella Sigmann](#) of Appalachian State University and the ACS Division of Chemical Health & Safety, [Leah McEwen](#) of Cornell University and the ACS Division of Chemical Information, and [Sara Tenney](#) of ACS Publications as they discuss the new chapter "Communicating Safety Information" from the 2020 ACS Guide to Scholarly Communication. During this [free interactive broadcast](#), you will discover how to develop meaningful and concise safety summaries for manuscripts based on risk assessment.

What You Will Learn...

- The purpose of safety summaries in publications
- How to develop a safety summary built on risk assessment
- Practical examples of safety summaries for publications

ACS Shanghai Medicinal Chemistry Conference – Register Today!



ACS is excited to invite you to the [2nd ACS Shanghai Medicinal Chemistry Conference](#), taking place on April 24–25, 2020, in Shanghai, China. This two-day program will bring together chemistry professionals from around the globe to hear about emerging techniques and applications in medicinal chemistry, drug discovery, and chemical biology. Attendees are encouraged to submit abstracts before April 1 to czheng@acs-i.org. Poster

prizes will be awarded as part of the conference.

[Register today!](#) Conference registration includes a one-year ACS membership. [Register](#) by March 14 to take advantage of the Early Bird rate.

Resources from the Chemical Sciences Roundtable

The National Academies' [Chemical Sciences Roundtable](#) recently published Proceedings of a Workshop-in Brief on "Closing the Loop on the Plastics Dilemma," which you can [download for free](#) from the National Academies website. The

Roundtable is also offering a webinar on "Inorganic Biohybrids: Advancing Artificial Photosynthesis," to be held February 10, 12:00-1:30 PM ET. You can [register online](#) for this free webinar.



Submit an Abstract to the Green Chemistry & Engineering Conference



The ACS Green Chemistry Institute invites you to submit an abstract to the [24th Annual Green Chemistry & Engineering Conference](#), to be held June 16-18, 2020, in downtown Seattle, WA. The conference will feature three days of programming, more than 40 technical sessions, and numerous networking opportunities for the over 600 green chemists and engineers who are expected to attend from around the world. This year's conference symposia revolve around the theme of "Systems-Inspired Design,"

driving the sustainable chemical life cycle. Take a moment to [browse the symposia and submit an abstract](#) by February 17.

ACS CAREER NAVIGATOR

Sign Up for Can't-Miss Lab Component Courses

Week-long [courses combine traditional lectures with a hands-on laboratory component](#), connecting you with world-renowned experts in their fields. Join innovative courses designed to provide an intimate experience for small groups of attendees. Upcoming courses include [Gas Chromatography: Fundamentals, Troubleshooting, and Method Development](#) (March 10-13 in Chicago, IL) and [Polymer Science: Principles and Practice](#) (March 15-20 in Blacksburg, VA). Learn more and sign up today!



ACS Career Day Returns to the DC Metro Area



All chemists are invited to attend a free [ACS Career Day](#) on Saturday, February 8, in downtown Washington, DC. This one-day event will feature career-building workshops, networking opportunities with recruiters, and more. ACS Members have the added opportunity to sign up onsite to meet with ACS

Career Consultants. [Register today!](#)

C&EN Jobs - Latest Postings

c&en JOBS

- Visiting Assistant Professor | University of Mary Washington | Fredericksburg, VA
- Director of Studies for the Bachelor Programme in Circular Engineering | Maastricht University | Maastricht (Gemeenten), Limburg, The Netherlands
- Visiting Assistant Professor, Biochemistry | New College of Florida | Sarasota, FL
- Full Time Faculty Position in Corrosion Research on Biomaterials and Nanomaterials | Western University | London, ON

ACS and Earth Day Network Strengthen Partnership for Earth Day's 50th Anniversary



On April 22, Earth Day 2020 will mark the 50th anniversary of the world's largest environmental movement, and ACS is a proud partner for this milestone event.

Together, ACS and Earth Day Network are creating resources and programs to support [Chemists Celebrate Earth Week \(CCEW\)](#), an ACS public awareness initiative. Held annually during the same week as Earth Day, CCEW brings ACS Members and chemistry enthusiasts together to celebrate and communicate the positive role that chemistry plays in the world. CCEW 2020 will take place April 19-25, celebrating the theme "Protecting the Planet through Chemistry." Resources for CCEW will be available on February 1.

Through CCEW's community service events and with Earth Day Network and its partners across the globe, ACS is helping to build Earth's largest cleanup crew. To learn more about the partnership and how to participate in the Great Global Cleanup by hosting an ACS-sponsored cleanup in your area, visit www.acs.org/ccew.

Public Outreach Award: Call for Nominations

Do you know any ACS Members who have improved public recognition and appreciation for the contributions of chemistry? If so, please consider nominating them for the [Helen M. Free Award for Public Outreach](#), which carries a \$1,000 prize, a crystal trophy, and an honorarium to attend the Fall 2020 ACS National Meeting. You can even nominate yourself! [Nominations](#) are due February 15.



International Research Experiences for Students (IRES) Singapore Program



The [ACS International Research Experiences for Students \(IRES\) Singapore Program](#) is a bilateral exchange that allows talented young chemical and materials scientists to spend a summer conducting research in another country. For the summer of 2020, up to five undergraduate students from the U.S. will be selected to conduct research at the National University of Singapore (NUS) for 10-12 weeks. Applicants will have the opportunity to choose between three laboratory projects, working closely with NUS professors over the course of the summer. The entire program will be conducted in English. The deadline for [applications](#) is Monday, February 10, at 11:29 PM ET. If you have any questions, please e-mail IRES@acs.org.

Upcoming Webinars for Teachers from AACT

Enrich your classroom experience with [professional education opportunities](#) from the American Association of Chemistry Teachers (AACT), designed for K-12 chemistry teachers. Here's the schedule of upcoming webinars:

- [Boosting IB Chemistry Scores](#), January 23
- [Adjusting to Adjunct: Lessons Learned from Teaching High School Chemistry and College Chemistry as Adjunct](#)



Faculty, February 6

- [Teaching Methods and Resources to Help Assess Student Learning](#), February 12
- [Teaching Chemistry in a Textbookless Classroom](#), February 19
- [Student Opportunities from the American Chemical Society \(ACS\)](#), February 26
- [Helping Students Show What They Know – An AP Chemistry Review Webinar](#), March 4

If you can't participate in a live webinar or if you missed a previous one, head over to our [webinar archive](#) any time to access the recordings. AACT members enjoy free access to the archives. [Not an AACT member? Join today.](#)

Apply This Week for the 2020 ACS Summer School on Green Chemistry and Sustainable Energy



Applications are being accepted through this Friday, January 24, for the [2020 ACS Summer School on Green Chemistry and Sustainable Energy](#). The Summer School will be held July 7-14, 2020, at the Colorado School of Mines in Golden, CO. The program is open to graduate students and postdoctoral scholars in the U.S., Canada, and Latin America. A generous grant from the ACS Petroleum Research Fund covers all participant

expenses. Don't miss this chance! Information on applying is available at www.acs.org/gcsummerschool.

ACS in the News: *The Economist*

"New ways to pluck water from desert air"
(from *The Economist*, January 11, 2020)

"Even in inland deserts, though, moisture is often present in the air as water vapour. The problem is extracting this vapour effectively and cheaply.... Steven Suib and his colleagues, who have just [reported](#) their result in *Environmental Science and Technology Letters*...."



Keep Moving with Hertz!



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hertz.com and use code 0083855 to access your special member savings offers.

C&EN - This Week's Headlines

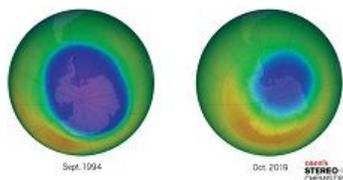
- [C&EN, Table of Contents, January 20 issue](#)
- [The new drugs of 2019](#)
- [Ketamine is revolutionizing antidepressant research, but we still don't know how it works](#)
- [The flip side of flipped classrooms](#)
- [Wilma Subra: An unstoppable pioneer in environmental chemistry and community advocacy](#)
- [Tapping into your inner focus](#)
- [At J.P. Morgan Healthcare Conference, a slow start to biotech and pharma M&A](#)
- [Foodie traffic fixes](#)



- 7 members of chemistry community killed in Iran plane crash
- E-cigarettes impair blood vessel function as much as conventional cigarettes do in rats
- Lithium-based semiconductor detects thermal neutrons
- EQRx launches to develop me-too drugs at a steep discount
- Investment flows as trade deal with China is signed
- China may have pulled ahead of U.S. in race for top spot in global science R&D

PHUN & GAMES

***Stereo Chemistry* podcast: Lessons from the Shrinking Ozone Hole**



"It was like, bam, half the ozone layer over Antarctica is gone." The discovery of the ozone hole in the mid-1980s sent shock waves through the scientific community and society at large. As scientists scrambled to make sense of the unprecedented phenomenon, a clear

culprit emerged. Chlorofluorocarbons (CFCs)—once thought of as near-miraculous compounds that revolutionized refrigeration—were suddenly revealed to be one of the biggest environmental dangers known to humankind. What followed was an international push by scientists, media, and policy makers to ban CFCs. In October 2019, NASA announced the ozone hole is the smallest recorded since 1982. In the [most recent episode of the *Stereo Chemistry* podcast from *C&EN*](#), we hear from some of the scientists who were instrumental in discovering—and helping heal—the ozone hole and who think lessons learned could help us fight climate change.

You can read a [transcript](#) of this episode, and subscribe to *Stereo Chemistry* on [Apple Podcasts](#), [Google Play](#), [TuneIn](#), and [Spotify](#).

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