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ChemMatters back issues on sale through Sept. 30! | **September 24, 2019**

FEATURE

Support for Students and Early-Career Chemical Professionals

ACS supports **practitioners of the chemical sciences at every stage** of their professional development, including grants and scholarship opportunities for students, student groups, and early-career professionals – apply now for these funding programs!



- **Joseph Breen Memorial Award** – Reimburses travel expenses up to \$2,000 for attendance in a green chemistry technical meeting, conference, or training program. Undergrads and graduate students, postdoctoral scholars, and young professionals, international or domestic, are eligible. [Apply now, due October 11](#)
- **Kenneth Hancock Memorial Award** – This award for outstanding contributions to green chemistry research and education is announced at the [Green Chemistry & Engineering Conference](#) (GC&E), where the awardee must make an oral or poster presentation. Travel and registration to GC&E is reimbursable up to \$1,000. Open to undergraduate and graduate students, regardless of citizenship or country of study. [Apply now, due October 11](#)
- **Ciba Travel Award in Green Chemistry** – Reimburses travel expenses up to \$2,000 for U.S. high school, undergraduate, or graduate students to attend an ACS technical meeting, conference, or training program. [Apply now, due October 11](#)
- **SCI Scholars Summer Internship** – Prestigious 10-12 week industrial internship (summer 2020), jointly created by ACS, the [Society of Chemical Industry](#) (SCI), and the [American Institute of Chemical Engineers](#) (AIChE). Includes a \$6,000–\$10,000+ stipend, plus a certificate and an additional \$1,000, which can be used for any purpose, such as participation at an ACS or AIChE meeting. Visit www.acs.org/sci for complete award and eligibility details. [Apply starting October 1, due November 30](#)
- **ACS Scholars Program** – Renewable scholarships for underrepresented minority students majoring in undergraduate chemistry-related disciplines, who are also intending to pursue careers in chemistry-related fields. Selected recipients are awarded up to \$5,000 per academic year. [Apply starting November 1](#)
- **Early Career Chemists profiles in ACS Industry Matters** – Get to know early career industrial chemists, and [subscribe](#) to this new biweekly

newsletter.

For complete eligibility criteria and online application details, visit each program's website. Learn more about all ACS [grants](#) and [scholarships](#).

MY ELEMENT



This week's favorite element is **copper**, sent in by Priya Ranjan Sahoo: "Copper is known as 'man's eternal metal' and is 100% recyclable. I remember finding beautiful crystals of Cu-complex when I mixed copper solution into our synthesized sensor for the first time..." [read more](#)

What's your favorite element? [Share your story today!](#)

ADVANCE YOURSELF & YOUR SCIENCE

Call for Abstracts – ACS Spring 2020 National Meeting & Expo

Macromolecular Chemistry: The Second Century will be the theme for the [ACS Spring 2020 National Meeting & Exposition](#), to be held in Philadelphia, PA, March 22–26, 2020. Twenty-nine ACS technical divisions, the Multidisciplinary Program Planning Group (MPPG), and several ACS committees are currently planning meeting programming.

Abstracts for oral and poster presentations in Philadelphia are now being accepted.



ACS National Meetings & Expositions bring together thousands of chemists and chemistry professionals from around the world to discover and share research, network, and advance careers. These meetings are an excellent opportunity for professionals and students to showcase work and connect with colleagues in all areas of chemistry.

Acceptance deadlines begin on Monday, October 14, 2019, and vary by programming area. Check the [website](#) for current information.

Nominations Open for the 2020 Green Chemistry Challenge Awards



The U.S. Environmental Protection Agency (EPA) has announced the call for nominations for the [2020 Green Chemistry Challenge Awards](#). These prestigious national awards honor companies and institutions that have developed a new process or product using green chemistry approaches that helps to protect public health and the environment.

Nominations for innovations in five categories are due by December 31, 2019. The categories are academic, small business, greener synthetic pathways, greener reaction conditions, and the design of greener chemicals. Visit the EPA website for [complete details](#) about the awards and to [download](#) the nomination package.

Who Will Win the #ChemNobel? Predicting the 2019 Nobel Laureate(s) in Chemistry

Can't wait until the Nobel Prize in Chemistry is awarded on October 9? We

can't either. On Thursday, September 26, 2:00-3:00 PM ET, join *C&EN* editors Lauren Wolf and Laura Howes and special guests Steve Townsend of Vanderbilt University, Alison Narayan of the University of Michigan, and Jess Wade of Imperial College London, as we feed chemists' frenzy during our [annual predictions webinar](#) and cast your own vote on this year's winner.



What You Will Learn...

- Who we think are the front-runners for this year's Nobel Prize in Chemistry, and why
- Big ideas in chemistry that we think should someday win the prize
- Nobel trivia, including facts about diversity, and much more

ACS CAREER NAVIGATOR

Learn Critical Professional Skills – Online, Anywhere



ACS is offering even more ways to help you achieve your career goals. Register for complimentary online [Virtual Classrooms](#), where you'll learn live from skilled experts, helping you achieve your career goals and get the boost you need to succeed. Register now for these informative webinars:

- [Networking: How to Get Started](#) (September 25)
- [Immigration Workshop for Foreign National Scientists](#) (October 9)
- [Finding Your Pathway](#) (October 30)

Check out the [full schedule](#) for all Virtual Classrooms offered through December 2019.

Never Make a Mistake in the Lab

Are you responsible for chemical hygiene, laboratory safety, or hazard assessment in your lab? If so, register for the ACS Professional Education Short Course [Laboratory Safety](#), where you'll learn from an experienced laboratory safety manager, Christopher E. Kohler, CCHO, LPG. Many past attendees report that this course improved the recognition of their valuable safety and health responsibilities with their peers and management.



C&EN Jobs - Latest Postings

c&en JOBS

- Chemical Safety Officer | University of Chicago, Hyde Park Campus | Chicago, IL
- Mechanistic Biochemist - Assistant or Associate Professor | North Carolina State University | Raleigh, NC
- Assistant Professor Organic Chemistry | Florida State University | Tallahassee, FL
- Scientist/Postdoctoral Fellow in Nanomedicine, Airan Lab | Stanford University | Stanford, CA
- Assistant Professor of Chemistry | Eastern Connecticut State University | Willimantic, CT

ACS NEWS

Catalyze the Vote! 2020 ACS President-Elect Candidates



2020 ACS President-Elect Candidates

"Democracy cannot succeed unless those who express their choice are prepared to choose wisely. The real safeguard of democracy, therefore, is education." – Franklin D. Roosevelt

In that spirit, the ACS Younger Chemists Committee is collaborating with ACS Webinars to bring you a [friendly virtual discussion](#) between ACS 2020 President-Elect Candidates [H.N. Cheng](#) and [Carol Duane](#), moderated by [Amber Wilson](#) of Taylor Technologies, Inc., on Tuesday, October 1, 2:00-3:00 PM ET. Don't miss this opportunity to discover more about each candidate's values as they answer questions relevant to young chemists as well as the entire Society. [Register today!](#)

Get Involved with the NCW 2019 Illustrated Poem Contest

National Chemistry Week (NCW) is quickly approaching! Help ACS celebrate this year's theme, "Marvelous Metals," by participating in an [Illustrated Poem Contest](#) with your local section. The contest is for K-12 students, with local winners advancing to the national contest.



ACS will award \$300 to four first-place winners and \$150 to four second-place winners in different age groups. Visit the Illustrated Poem Contest page for a [complete list of rules, resources, and the entry form](#), plus a link to the winners from 2018, as a source of inspiration for your section's entries. To help organize an Illustrated Poem Contest in your area, [contact your local NCW Coordinator](#) today. We look forward to receiving your local section's creative, colorful entries!

ACS in the News: National Geographic Magazine



"New 'smart' skin changes color using a trick learned from chameleons" (from *National Geographic Magazine*, September 11, 2019)

"The new polymer can shift hues in response to light, a quality that could have applications for camouflage and beyond.... 'This is something nature does all the time,' says Khalid Salaita, a bioengineer at Emory University and senior author of the new [paper](#) published September 11 in *ACS Nano*. 'And we can trigger color change using direct sunlight.'"

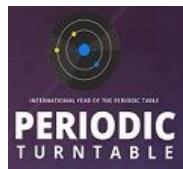
For other recent media coverage of ACS and the research published in its journals and presented at its meetings, visit [www.acs.org/inthenews](#).

This Fits Your Life

Financial protection should fit your lifestyle—not the other way around. That's why we're pleased to introduce QuickDecisionSM, a secure, fast, and easy way to apply online for up to \$250,000 in [Group Term Life Insurance](#). With this new tool, qualifying members under the age of 65 may be eligible for automated underwriting. [Learn more](#) about QuickDecisionSM today!



Celebrate #IYPT2019 by Helping Us Create the #PeriodicTurnTable



PERIODIC
TURNTABLE

Chemistry is music to our ears, so, to help celebrate the International Year of the Periodic Table (#IYPT2019), we've created a Spotify playlist of [chemistry-related song titles and artists](#) that makes us want to jump on the karaoke stage. Check out the playlist so far on [Spotify](#). What did we miss? Give us your suggestions on the [#IYPT2019 Periodic Turntable](#) homepage!

(Pssst.....can you find the Easter egg on the site with a link to a song on the playlist?)

Save On Office Supplies from Office Depot

U.S.-based ACS Members can save up to 10% off the everyday web price on more than 30,000 office supplies available through the [ACS Office Depot Partner Program](#). From calculators to copier cartridges, for home, school, or work, you'll find it at Office Depot! Register at www.1800member.com/od-acs or call 1-800-636-2377. Once registered, you can shop in store or online. [Sign up today](#) and start saving!



C&EN - This Week's Headlines



- [C&EN, Table of Contents, September 23 issue](#)
- [Notorious KRAS: Taking down cancer researchers' biggest foe](#)
- [Chemists grapple with lack of diversity displayed in 'dude walls' of honor](#)
- [Can nuclear power help save us from climate change?](#)
- [At chemical maker Nouryon, the transformation begins](#)
- [Meet the group providing science and technology information to the U.S. Congress](#)
- [Chemical twists on gardening and portraiture](#)
- [Some anticancer molecules are off target](#)
- [Microfluidic device brews human embryo-like structures](#)
- [U.S. EPA to rework controversial science information plan](#)
- [Hospital bacteria can colonize the guts of C-section babies](#)
- [Ginkgo raises \\$290 million, pairs with start-up accelerators for organism engineering](#)

PHUN & GAMES

Do You Dare Take the C&EN Periodic Table Challenge?



In the ongoing celebratory spirit of the International Year of the Periodic Table (#IYPT2019), C&EN brings us the [Periodic Table Challenge](#), in which you must name as many elements as you can in 1 minute using each element's symbol. A delightful distraction! We apologize for the corresponding downturn in your productivity this afternoon.

American Chemical Society
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