

Support chemistry and
its future leaders!



#GIVINGTUESDAY
December 3



ACS MATTERS Your Source for the Latest News & Events from the American Chemical Society

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ACS-Hach Grants for High School Teachers | December 3, 2019

FEATURE

What's Next for Chemistry? Free Webinar Tomorrow

Are you a futurist? Or are you in denial about the robot overlords who will soon be taking over our chemical synthesis labs? Either way, you won't want to miss "Predicting the Biggest Chemistry Advances of 2020," the next free online event from ACS Webinars.



On Wednesday, December 4, 2:00-3:00 PM ET, join [Lauren Wolf](#) of *Chemical & Engineering News* for a lively discussion with editors [Stuart Cantrill](#) of *Nature Chemistry* and [Christopher Chang](#) of *ACS Central Science*, who have their fingers on the pulse of innovation in chemistry. During this [free interactive broadcast](#), they'll chat about automation, gene editing, and electrosynthesis

What You Will Learn...

- What were the hottest trends in chemistry research during 2019, according to the experts
- What areas of chemistry research are predicted by experts to feature prominently in 2020
- What's electrosynthesis, and why you should care about it

MY ELEMENT



Today's favorite element story features [tellurium](#), sent in by [Stephen French](#), who writes: "I worked for the Eastman Kodak Company in large-scale chemical manufacturing, doing scale-up preparations for chemists in the research laboratories. I received an order to do a..." [read more](#)

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

ADVANCE YOURSELF & YOUR SCIENCE

Support Aspiring Chemists Today, Giving Tuesday!

Today is Giving Tuesday, an international day for generous giving to others. For your part, please join ACS members around the world in supporting the [ACS Scholars Program](#). This 25-year-old program provides scholarship and mentoring support to accomplished college students from minority groups that are underrepresented in the chemical sciences. Scholars are selected based on academic achievement, financial need, and leadership ability. [PLEASE DONATE](#) today at www.acs.org/success to support chemistry's future leaders!

#GIVING
TUESDAY

One Day Left to Apply for SCI Scholars 2020 Summer Internships!



The deadline to apply for [SCI Scholars](#) 2020 summer internships is Wednesday, December 4, 2019. To be part of this prestigious program in 2020, chemistry and chemical engineering majors must have all their materials submitted by 12:00 midnight (ET) tomorrow. Candidates who are selected will receive a paid 10-12 week industry internship, a professional development stipend, and the opportunity to recognize an influential teacher. For more information, visit www.acs.org/sci.

Nominate Your Heroes of Chemistry

Nominations for the 2020 [ACS Heroes of Chemistry Awards](#) are now open! The Heroes of Chemistry Award is one of the highest honors the ACS gives to industrial chemists, recognizing teams whose work and research led to the development of successfully commercialized products that have greatly benefited humankind.



Nominations are due February 1, 2020. Winners will be notified in June 2020, then recognized at a gala celebration during the ACS Fall 2020 National Meeting & Exposition in San Francisco. Complete eligibility details and inspiring stories of past award winners can be found on the [Heroes of Chemistry](#) web page.

Celebrate your company's hard work and success in innovation – [submit your nomination today!](#)

ACS CAREER NAVIGATOR

Safety First

From regulations to the safe storing of chemicals, lab safety is a complex, critical component of your job. You can ensure that you have the up-to-date knowledge to keep your laboratory running safely and efficiently by attending the upcoming ACS Professional Education course, [Laboratory Safety & Health](#), January 23-24, 2020, in Atlanta, GA. Join us to learn how you can minimize personal injury, health impairment, property loss, regulatory fines, and liability. Registrants are invited to bring case histories, problem descriptions, and safety program material for evaluation and discussion. [Register today!](#)



ChemIDP™, A Career Planning Tool for You!



It can be overwhelming to navigate all the career options out there. With ACS's [ChemIDP™](#), graduate students and postdoctoral scholars have a tool to organize and clarify their career planning. Whether you're just starting out or are already working, ChemIDP™ is the perfect tool to help you no matter where you are professionally. Get started today by accessing ACS [tools and resources](#) to help enhance your future!

C&EN Jobs - Latest Postings

c&en JOBS

- Teaching Track Assistant Professor | McMaster University | Hamilton, ON
- Multiple Tenure Track Positions-MSE UMD | University of Maryland | College Park, MD
- PK-12 Science Department Chair | The Blake School | Minneapolis, MN
- Assistant Professor of Chemistry | Northern State University | Aberdeen, SD

ACS NEWS

New Green Chemistry Fellowship for Graduate Students



The ACS Green Chemistry Institute is now taking applications for a new fellowship! The [Heh-Won Chang, PhD Fellowship in Green Chemistry](#) is awarded to full-time graduate students around the world who are currently conducting research in green chemistry. Applicants must have at least one full year of study remaining in their graduate program.

Fellowship winners will receive \$5,000 USD (to be used for any purpose) and must present their research at the annual Green Chemistry & Engineering Conference. The deadline for submitting an application is 5:00 PM ET on January 5, 2020. For more information, please [visit the fellowship web page](#).

Webinar Tomorrow: College-Level Labs That Can Be Done in 50 Minutes or Less

Do you need college-level labs that don't take 2-3 hours? In an [upcoming webinar](#) from the American Association of Chemistry Teachers (AACT), University of Colorado chemistry instructor and general chemistry lab coordinator Linda Cummings will describe five meaningful labs that can be completed during a 50-minute class period. [Register today for this free AACT webinar](#), which is scheduled for Wednesday, December 4, at 7:00 PM ET.



AGFD Communicating Culinary Chemistry Competition: Colloids



Colloids are the focus of this year's ["Communicating Chemistry" competition](#) for students. To enter, teams must submit a three-minute video on their chosen topic, which must fit the colloids theme, by 12:00 PM ET on December 13. Prizes include \$500 for every finalist team member for travel to the Spring 2020 ACS National Meeting in Philadelphia plus free meeting registration. The final competition will take place in Philadelphia on Wednesday, March 25, 2020.

Teams will prepare live, interactive presentations on their topics, as well as displays modeled after a science fair. [More details](#) can be found on the competition website.

Give the Gift of AACT Membership

Tis' the season of giving! This holiday season consider giving the K-12 chemistry teacher in your community the [gift of membership in the American Association of Chemistry Teachers \(AACT\)](#). An AACT membership gives teachers the opportunity to expand their teaching resources, enhance their professional development, and stay up to date on the latest news in the chemistry teaching community.



You Shop, Amazon Gives to ACS



As you begin your holiday shopping, remember that Amazon will donate 0.5% of your purchases to ACS educational programs when you [shop through its AmazonSmile program and designate ACS as your preferred charity](#). Support the [ACS Scholars Program](#), [ACS Project SEED](#), and [Advancing Chemistry Teaching](#) when you buy products at [smile.amazon.com](#) that are marked "eligible for AmazonSmile donation." AmazonSmile products and prices are identical to those on Amazon. The more you buy, the more ACS-supported students and teachers benefit!

Use Budget to Save Big on Your Next SUV Rental!

For a limited time, Budget is offering special savings as low as \$37 per weekend day or \$229 weekly for your next sport utility vehicle (SUV) rental until December 15, 2019. Go to the special [ACS Budget page](#) to see all the great SUV options being offered, or call 1-800-455-2848 and mention discount code V118009 along with coupon code MUWZ195. No matter what kind of vehicle you need, Budget gets you there, the way you want to go!



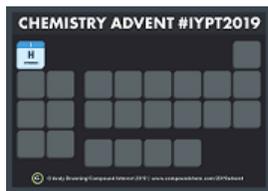
C&EN - This Week's Headlines

- [C&EN, Table of Contents, December 2 issue](#)
- [C&EN's Year in Pharma 2019](#)
- [Firms aim to develop liquid biopsies for early cancer detection](#)
- [Young UK chemists question what they are worth](#)
- [Cabot Microelectronics' David Li has a plan for surviving in electronic materials](#)
- [It's go big or go home in the International Year of the Periodic Table](#)
- [Podcast: Science Storytellers is an outreach program that turns kids into science journalists—without the pesky deadlines](#)
- [Perovskite transistors work longer with an insulator switch-up](#)
- [Novartis to acquire The Medicines Company for \\$9.7 billion](#)
- [U.S. EPA is evaluating whether to require reporting of PFAS releases](#)
- [Synthesis-planning program relies on human insight and machine learning](#)
- [Ex-Monsanto scientist indicted for trade secret theft](#)



PHUN & GAMES

Compound Interest: #ChemistryAdvent 2019 is Off and Running!



Now that December is here, it's time for the stalwart *Compound Interest* blog to put out its [Chemistry Advent Calendar](#)! Chemistry educator and blogger Andy Brunning continues to celebrate the International Year of the Periodic Table, so #ChemistryAdvent 2019 is all about periodic tables – each day leading up to

Christmas will feature a different periodic table (day 1, for example, features a periodic table that summarizes the when, where, and who of element discoveries). You can follow along with this year's advent calendar at www.compoundchem.com/2019advent, and you'll find links to browse back through previous years' calendars, too!

Image credit: Andy Brunning / Compound Interest

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