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FEATURE

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.

MY ELEMENT



"Krypton is my favorite element," says Barry Howard Willen in this week's My Element story: "As a child, I read *Superman* and other DC Comics ... when I learned Krypton was part of the Periodic Table, I was hooked on Chemistry...." [read more](#)

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

ADVANCE YOURSELF & YOUR SCIENCE

Hurry to Submit Abstracts for the Innovation in Materials Science &

Technology Symposium in Singapore

You still have the opportunity to present your science alongside world-renowned scientists at the ACS Publications Symposium, "Innovation in Materials Science & Technology," November 17-19, 2019, in Singapore - but you need to hurry, the deadline for abstract submission is tonight,



September 17, at 11:59 PM ET! The symposium will feature three days of scientific lectures, opportunities to network with editors from across nine ACS Publications journals, and an exciting poster session. Get full details on the symposium [website](#) and [register today!](#)

Get Involved in NCW 2019 – Show the Public the Science Behind Marvelous Metals!



Join us in celebrating [National Chemistry Week \(NCW\)](#), October 20-26, 2019! NCW encourages chemists and chemistry enthusiasts to build awareness of chemistry in their communities. During 2019's International Year of the Periodic Table, NCW will be celebrated October 20-26, 2019, with

the theme, "Marvelous Metals," featuring the chemistry of metals, which make up 76% of the elements on the Periodic Table!

Activities in the U.S. are organized by ACS Local Section NCW Coordinators. For members of ACS International Chapters, Student Chapters, ChemClubs, and Technical Divisions outside of the U.S., many digital resources are available online. You can support NCW's goals by participating in the [community service event](#) (e.g., organizing a recycling event in your community, or taking a field trip to your local recycling center), or by sharing the [Celebrating Chemistry](#) publication with your local kids and teachers.

Find out more at www.acs.org/ncw, and keep up with the latest NCW news on your favorite social media – [RSVP](#) or like us on [Facebook](#), or subscribe to get emails from ACS Outreach News at the bottom of the NCW page.

[Contact your NCW Coordinator](#) today to see how you can get involved!

Free Webinars This Week: Lessons for Pharma from Crop Protection, and Improving Efficiency of Energy Conversion *en Español*

[Llevando el Calor Residual a la Vanguardia de la Energía](#)
Wednesday, September 18, 2:00-3:00 PM ET

Unlike solar energy, thermal energy could provide an unlimited source of electricity that could power our planet throughout the day without interruption, regardless of whether it is raining or cloudy. Join [Luisa Whittaker-Brooks](#) of the University of Utah and [Ingrid Montes](#) of the ACS Board during this [free, Spanish-language broadcast](#) as they discuss recent scientific findings to improve the efficiency of energy conversion by nanostructured materials and waste heat recovery devices.



[Thinking Outside the Pillbox: Lead Generation and Optimization in Crop Protection Research](#)

Thursday, September 19, 2:00-3:00 PM ET

Over the past 50 years, crop protection has evolved from using pesticides at a high use rate to applying safer, selective, and more efficacious products, which share many of the features of modern drugs. Join [Fides Benfatti](#) of Syngenta Crop Protection and [Tejas Shah](#) of Corteva Agriscience during this [free, interactive broadcast](#) as they discuss the similarities and



differences between crop protection and pharmaceutical research as well as how both industries can gain valuable insight from each other.

ACS on Campus is Headed to Atlanta, GA



Join ACS editors and local professionals for two FREE events open to all students and researchers studying the sciences. They'll be visiting [Georgia State University](#) on September 20 and [Atlanta University Center](#) on September 23. Don't miss out on the opportunity to have your résumé reviewed, get career insights, and receive top tips on publishing. [Register today](#) to jump-start your career!

ACS CAREER NAVIGATOR

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.

Career Corner

Early Career Spotlight: Working in Steel Manufacturing Smooths the Way for People and Products

Nancy Ortiz thought she'd like to be a detective. She grew up in Eagle Pass, TX, a small border town where the adult jobs she saw were mainly teacher, police officer, or Homeland Security personnel. So when she transferred from community college to Sam Houston State University in Huntsville, TX, she declared her major as criminal justice. When she won a 10-week internship with the Federal Bureau of Investigation, she got to spend time at the FBI's laboratory in Quantico, VA. "This was what exposed me to science," Ortiz says... [read more](#)



What I Learned: Ed Miller, Executive Director, ACS Rubber Division

Ed Miller has served for 19 years as the first Executive Director of the ACS Rubber Division headquartered in Akron, OH. Prior to this, he was President and CEO of the Asphalt Institute for nine years, serving as spokesperson for the asphalt sector of the oil industry and leading engineers and chemists in research, engineering applications and education. Ed retired from the U.S. Air Force in 1992... [read more](#)



Two-Day Career Development Workshop for Grad Students and Postdocs

Chemistry departments are encouraged to host a two-day [Career Kick- Starter workshop](#) for their graduate students and postdoctoral scholars. The workshop is designed to provide students with the knowledge and tools they need to be prepared for their careers. [Visit us online](#) to learn more about how you can host a Career Kick-Starter workshop today.



Chemistry Café – How to Handle Uncomfortable Questions

At one time or another, you may experience a situation when you're asked an unexpected question that puts you in a difficult position. Whether you're chatting at a conference, responding to a post on social media or being interviewed for a blog or article, it's important to know how to navigate challenging questions. This is especially true when questions are asked about confidential information, proprietary data, legal issues or ongoing negotiations. Use this guide to learn how to respond to uncomfortable questions with tact. Read more [here](#).



C&EN Jobs - Latest Postings

c&en JOBS

- Experimental Polymer Chemistry | University of Houston | Houston, TX
- Experimental Physical Chemistry | University of Houston | Houston, TX
- Tenure Track Faculty Positions at All Levels | Purdue University | Lafayette, IN
- Open Rank Tenure Track Faculty - Department of Chemistry | University of Illinois at Urbana-Champaign | Urbana, IL
- Open Rank Tenure-Track Faculty, Department of Chemistry and Biochemistry | University of Maryland | College Park, MD

ACS NEWS

Volunteers Needed for Hands-On Activities in Milwaukee, WI Area



Calling all volunteers in Milwaukee, WI, and surrounding areas – we need your help! ACS is looking for volunteers to perform hands-on activities at the 2019 American Indian Science and Engineering Society (AISES) Annual Conference's [AISES Boeing Stem Activity Day](#) in Milwaukee. The outreach event takes place on Wednesday, October 9, 12:00-4:00 PM, at the Wisconsin Center, 400 W. Wisconsin Ave., Milwaukee, WI 53203. We will conduct hands-on activities geared toward middle & high school-aged children. All supplies necessary for the experiments will be onsite. Volunteer information packages will be sent out by September 26. We truly hope you can participate and gather others to volunteer with you. ACS will provide lunch & parking reimbursement for volunteers. Please sign up using this [online form](#) by September 23. If you have any questions about this volunteer opportunity, please contact Victoria Fuentes by email (v_fuentes@acs.org) or phone (202-872-4524).

ACS in the News: *Business Insider*

"Forget the goggles: These scientists want to inject night vision straight into troops' eyeballs" (from *Business Insider*, September 4, 2019)

"The US military may be working overtime to reduce the weight of a standard-issue pair of night vision goggles to the point where it feels like you're wearing nothing at all, but a group of scientists think they've cracked the code of 'built-in' night vision thanks to a dollop of special particles and a needle to the eyeball. A group of researchers attending the American Chemical Society's national meeting in San Diego, CA,... plan on [presenting a method](#) for using ultra-small nanoparticles, injected into the eye, to imbue a subject with the ability to see near-infrared light..."



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

Foster Diversity in the Chemical Enterprise – Partner with the ACS Bridge Program



In an era of phenomenal discoveries, our institutions are faced with the challenge of producing a generation of diverse scientific leaders who can tackle 21st century challenges. Have your institution become an [ACS Bridge site](#) and ACS will help devise a program that prepares students to apply and be accepted into doctoral programs. [Learn more today.](#)

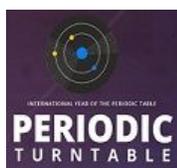
ChemIDP: A Career Planning Tool for Grad Students and Postdocs

Navigating all the career options out there can be overwhelming. With ACS's [ChemIDP™](#), graduate students and postdoctoral scholars have a tool to organize and clarify their career planning. Whether you are just starting to map out your career path or are already working, ChemIDP™ is the perfect tool to help you no matter where you are professionally.



[Start accessing tools and resources](#) to help enhance your future!

Celebrate #IYPT2019 by Helping Us Create the #PeriodicTurnTable



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 & 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?)

Time is Running Out for ACS Periodic Table Cupcake Mix

The [ACS Periodic Table Cupcake Mix](#) is only available through November 2019! Each box includes an exclusive link with puzzles and games. Celebrate #IYPT2019 with one box for you, or with five boxes to make a complete Periodic Table of Cupcakes.



Save Big on Your Next Sport Utility Rental from Budget!



Are you in need of a larger, more comfortable vehicle for that trip to visit a college student, friends or relatives? Look

no further because Budget is offering special savings as low as \$37 per weekend day or \$229 weekly for your next sport utility rental until December 15, 2019. Go to the special [ACS Budget page](#) to see all the great sport utility rental options being offered, or call 1-800-455-2848 and mention discount code V118009 along with coupon code MUWZ195. Whether you're traveling for work, vacationing, or visiting friends and family, [Budget has a vehicle for you!](#)

C&EN - This Week's Headlines

- [C&EN, Table of Contents, September 16 issue](#)
- [The redemption of James Wilson, gene therapy pioneer](#)
- [Alexa and your phone are getting schooled in chemistry](#)
- [The toilet gets a makeover](#)
- [Charge detection mass spectrometry measures molecular structures too big for regular mass spec](#)
- [Scientific instrument makers weigh the lure of outside money](#)
- [UN summit on climate draws world's gaze](#)
- [The ins and outs of hiring pipelines](#)
- [Chemists build the tiniest spectrometer from a single nanowire](#)
- [CAR-T reverses heart damage in mice](#)
- [Gene editing startup Trucode raised \\$34 million to test an alternative to CRISPR](#)
- [Video: Nanosensors shine a light on brain chemistry](#)
- [Chemical companies spar over PFAS pollution liability in U.S.](#)



PHUN & GAMES

2019 Ig Nobel Prizes



On your must-read list for this week, [C&EN's essential coverage of the annual Ig Nobel awards](#): "Scientific reports about a 5-year-old's saliva production, a machine that changes diapers, and wombat poop took top honors at the 29th Ig Nobel Prize ceremony. The peculiar but popular prizes, which 'honor achievements that make people LAUGH, and then THINK,' were awarded on Sept. 12 at Harvard University's Sanders Theatre. Mirthful master of ceremonies Marc Abrahams and the other entertaining editors of the *Annals of Improbable Research* produced the event." We have nothing further to say, because nothing further needs to be said. Enjoy the [science!](#)

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