



ACS Matters

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January 15, 2019

Feature

Answers to Your Lab Safety Questions and Tips for Managing Your Boss, from ACS Webinars®

Don't miss free, weekly online events from ACS Webinars® – a new presentation every Thursday at 2:00 PM EST!

How to Improve Your Lab's Safety: Answering Your Questions

Thursday, January 17, 2:00-3:00 PM EST

We have gathered a panel of chemical lab safety experts to tackle the most challenging safety issues posed in previous webinars and take your questions live. Join us to discuss the technical and cultural issues that are relevant to small, medium, and large labs alike. [Register now!](#)



Managing Up: Building a Healthy Relationship with Your Employer

Thursday, January 24, 2:00-3:00 PM EST

Join [Matt Grandbois](#) of DuPont Electronics & Imaging to discover how to better work with your stakeholders in a manner that achieves mutual success and will ultimately lead to your long-lasting growth as professional chemists. [Register now!](#)



Upcoming Webinars

- [How to Succeed in Drug Discovery: Insight from Medicinal Chemists](#), January 31
- [Startups 101: From Lab Scientist to Entrepreneur](#), February 7

ACS Webinars® has hundreds of webinar recordings, presented by subject matter experts from across the chemical enterprise. Visit www.acs.org/acswebinars to explore the growing archive. Don't miss your opportunity to learn from the best and brightest minds in chemistry – an exclusive ACS member benefit!

My ACS Story



Tito Molina: I SHARE with My ACS

Today's story features [Tito Molina](#), who joined ACS after becoming involved with his student chapter. As Tito mentions in his story, [ACS Student Chapters](#) provide a great platform to get the public excited about science, as well as to connect with peers and faculty.

Read stories from other members and see how they're taking advantage of their membership at the [My ACS Story](#) website. While you're there, take a moment to [submit your own story](#)—we look forward to hearing from you!

[TELL US YOUR ACS STORY](#)
[LEARN MORE ABOUT ACS MEMBERSHIP](#)
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Advance Yourself & Your Science

Early Registration Discounts for Orlando End on January 23!

Join thousands of chemists from around the world in Orlando, Florida, for the [Spring 2019 ACS National Meeting & Exposition](#), to be held March 31-April 4! With more than 12,800 papers presented, this meeting promises to offer something for chemists with all specialties and career levels. ACS



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23rd Annual
Green Chemistry
& Engineering Conference
— AND —
9th International
Conference on Green and
Sustainable Chemistry
"Closing the Loop"
of the Chemical Life Cycle

Take Advantage of Early Bird
Registration Discounts!
Jan. 7 – April 30, 2019

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MAY 2019

Celebrate #IYPT2019 with a limited-edition calendar!

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c&en JOBS

Latest Postings

- Assistant Professor of Analytical Chemistry | University of Nevada, Las Vegas | Las Vegas, NV
- Scientist I, Chemistry | Morphic Therapeutic, Inc. | Waltham, MA
- EE/CS Patent Litigation Associate | Steptoe & Johnson

National Meetings are a platform for both frontrunners in chemistry and those new in the field to have a dialogue and share viewpoints on the ever-growing impact of chemistry on everyday life.

Early registration discounts are only available until January 23. Become an ACS Member while registering and save up to \$400!

[Register now](#) to join thousands of your colleague chemists from around the world in Orlando!



Call for Abstracts – Fall 2019 ACS National Meeting & Expo

ACS is now accepting abstracts for oral and poster presentations at the Fall 2019 ACS National Meeting & Exposition, to be held in San Diego, California, August 25–29. The meeting theme, Chemistry & Water, promises to bring together chemists across disciplines to discuss impacts from, and to, water in various industries, sustainability, and more. [Visit the meeting website](#) to view topics by programming division. Submission deadlines begin March 18 and vary by program area. Learn more and submit your abstract now!

ACS on Campus is On Two International Roadshows

ACS on Campus is embarking on two exciting roadshows this February! We're heading to India during the week of February 4, stopping at IIT Bombay, NCL Pune, and IITC Hyderabad. Don't miss the opportunity to hear publishing and career advice first-hand from two of our Editors-in-Chief Prof. Erick Carreira and Prof. Gunda Georg.



During the last week of February, we'll be in Costa Rica and Colombia for four exciting events with Prof. Jonathan Sweedler and Prof. Monica Cotta. [Check our website](#) for a full list of events to see if we're headed to a campus near you!

All events are open to students and early career researchers studying the sciences – not just chemistry! [Register today](#) for these FREE events.



Empowering Women in Chemistry: A Global Networking Event

The ACS Women Chemists Committee (WCC) and ACS Department of Diversity Programs (DDP) invite you to be part of the IUPAC's 100th Anniversary Event, [Empowering Women in Chemistry: A Global Networking Event](#), by holding a breakfast on February 12, 2019.

To help with the event, WCC and DDP are offering up to \$100 to help cover costs for your event. Eligibility for the grant requires:

1. At least 10 participants
2. Add your event on the [IUPAC Global Breakfast map](#) and register it as part of [ACS's International Year of the Periodic Table celebration](#)
3. Send an electronic copy of your invitation/announcement when sending back the reimbursement form provided upon approval
4. Send electronic copies of your receipts to WCC@acs.org, accompanied by the form that will be provided upon approval and an electronic copy of your event's invitation/announcement
5. Send a screen shot of your Twitter and/or Facebook post using the hashtags #IUPAC100, #globalbreakfast, #ACS

To apply for this grant, please fill out the [online application](#). Funds are limited, so please apply soon!

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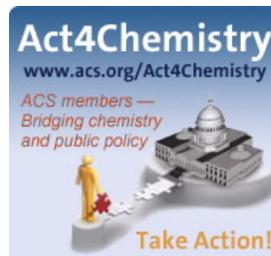
ACS Career Navigator

Achieve Your Career Goals at the ACS National Meeting

As you prepare your schedule for the ACS National Meeting, consider adding [ACS Career Pathways™](#) and [ACS Leadership Development System®](#) workshops to your registration. [Career Pathways Workshops](#) are expertly designed courses dedicated to providing career guidance to both up-and-coming and professional chemists in navigating their futures. Learn how to avoid misunderstandings and awkward confrontations, how to help your employees and colleagues become more effective, and much more by taking a [Leadership Development workshop](#), free for ACS Members. Refresh your skills and branch into new areas of emerging science and advanced applications with an [ACS Professional Education Short Course](#). Don't forget

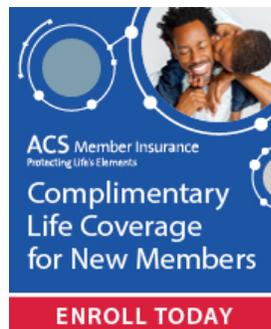


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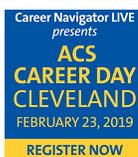


- Hierarchical Optimization of High-Performance Biomimetic and Bioinspired Membranes
- Chemical and Metagenomic Studies of the Lethal Black Band Disease of Corals Reveal Two Broadly Distributed, Redox-Sensitive Mixed Polyketide/Peptide Macrocycles
- Characterization of a Multiple-Scan-Rate Voltammetric Waveform for Real-Time Detection of Met-Enkephalin
- Transient Compound Treatment Induces a Multigenerational Reduction of Oxysterol-Binding Protein (OSBP) Levels and Prophylactic Antiviral Activity

[View more open access articles at \[pubs.acs.org/editorschoice\]\(http://pubs.acs.org/editorschoice\).](#)



to attend the [ACS Career Fair](#) to search for jobs and schedule interviews, and while you're there, network with potential employers right on the expo floor and meet with [ACS Career Consultants](#) to get personalized job search advice. Add these workshops to your [national meeting registration](#) today!



Coming Soon: ACS Career Day Cleveland

Attend our upcoming [ACS Career Day Cleveland](#) on February 23, where you can attend panel discussions, participate in roundtable talks, and network with other chemists. ACS Members get access to additional resources like [personalized career consulting](#), including résumé reviews, mock interviews, and more. [Register for free](#) and tell your friends and colleagues who are looking

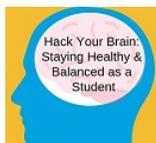
to improve their career!

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ACS News

TODAY: Stress-Management Webinar for Graduate and Undergraduate Students

All (yes, all!) students face strained finances, hectic schedules, career planning, and academic and social pressures that can very easily lead to both physical and mental illnesses. Learn how to keep your mental health on track by joining clinical health psychologist Lindsay Bira for "Hack Your Brain: Staying Healthy & Balanced as a Student," a free online webinar today, January 15, 3:00-4:00 PM EST. [Share this link and register now!](#)



Webinar on January 16 with Sam Kean, Author of *The Disappearing Spoon*

The Periodic Table is one of our crowning scientific achievements, but it's also a treasure trove of passion, adventure, betrayal, and obsession. Join us on Wednesday, January 16, as we kick off the [International Year of the Periodic Table](#) with a special online presentation by Sam Kean, author of *The Disappearing Spoon*, *Caesar's Last Breath*, *The Tale of the Dueling Neurosurgeons*, and *The Violinist's Thumb*. Everyone who

virtually attends will be entered into a raffle for one of Sam's books. [Register today!](#)

Get Up to Speed in 2019 with a Personal Planning Road Map

If you've put off writing your will or making plans for your estate, the New Year is a great opportunity to establish your legacy. Don't wait; make this one of your 2019 resolutions! Follow five straightforward steps provided in the *Personal Planning Road Map*. For a complimentary copy, send e-mail to PlannedGifts@acs.org with your name and address. Or visit the [ACS Legacy Planning](#) website for financial and estate planning information.



Improving Humankind: ACS Division of Catalysis Science and Technology (CATL)

Catalysts work by lowering the activation energy required to initiate a chemical reaction. You'd be hard-pressed to imagine a world today without the impact of catalysis on the fundamental mechanisms and reactions required for life, namely food, energy, and water. Even the human body runs on catalysts, through enzymes. At some point of the manufacturing process, catalysis is involved in over 50% of made products. The chemists of the [ACS Division of Catalysis Science and Technology \(CATL\)](#) are working on the next big revolution in catalysis science. Check out this [short video](#) from CATL to see what happens next!

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Let's go



Budget

c&en

This Week's Headlines

- [C&EN](#), Table of Contents, January 14 issue
- [C&EN's World Chemical Outlook 2019](#)
- [What is the price of fire safety?](#)
- [A blood test for Alzheimer's disease draws near](#)
- [Japan is a proving ground for the senior market](#)
- [An engineering center at Rutgers fosters continuous tableting](#)
- [Doctoral treats and moneyed scientists](#)
- [Deals at J.P. Morgan health-care meeting signal busy M&A year](#)
- [Developing a rapid attack against parasitic worms](#)
- [Science reveals Rembrandt's special paint recipe](#)
- [Artificial intelligence investment booms in drug discovery field](#)
- [As a partial U.S. government shutdown continues, chemists feel the pinch](#)

You can read [C&EN online](#) each week, or stay up-to-date with the latest news posted to [C&EN](#) by subscribing to one of our [RSS feeds](#).

pHun & Games



Cool Designs for the Periodic Table

We can all agree that the Periodic Table of the Elements is a marvel of design - now that it's the [International Year of the Periodic Table](#), we'll be celebrating that marvelous design all year long. This seems like a perfect time to look again at the "10 Amazing Periodic Table of the Elements Designs" highlighted in the [ACS Axial](#) blog (from ACS Publications), a year or so ago. Although the "artistic periodic table" was definitely eye-catching, and the [Periodic Table of Moles](#) is a sentimental favorite, we were most intrigued by the [Periodic Table of Endangered Elements](#), prepared by our old friend Andy Brunning from the [Compound Interest](#) blog. That table is nearly four years old now, so it's a safe bet that some of those elements have grown even more scarce!

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