

ACS MATTERS

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from the American Chemical Society



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San Francisco Call for Abstracts is Now Open | **March 3, 2020**

FEATURE

Nominate by April 1 for the 2020 ACS Fellows Awards

ACS FELLOWS PROGRAM



The [ACS Fellows Program](#) recognizes members of the ACS for excellence and leadership in both of two areas: (1) science, the profession, education, and/or management, and (2) volunteer service in the ACS community. ACS is calling for nominations from National Committees, Local Sections, Divisions, and individual members. Celebrate the excellence and impact of your colleagues in the field of chemistry by

[submitting nominations online](#) by April 1 at 11:59 PM PT. Visit the ACS Fellows website for complete nomination details, and please e-mail questions to fellows@acs.org. ACS looks forward to receiving your nominations and the opportunity to recognize our members who are making an impact.

ACS Fellows "How to Webinar" for Nominators

How are ACS Fellows selected? How can you write a strong, compelling nomination for the award? On Wednesday, March 4, 2:00-3:00 PM ET, join Lynne Greenblatt, chair of the ACS Fellows Program, for a [free, special interactive broadcast](#) in which she will guide you through the nomination process, including tips on what to include in the nominator letter and examples of Fellows Award citations.

PERIODIC PLAYOFF

Send Your Favorite Element to the Round of 16 in the #PeriodicPlayoff!



Round 1 of the #PeriodicPlayoff is complete! The field has been narrowed to 32, with calcium trouncing lutetium and boron narrowly escaping with a win over radon.

Representing the Noble Gases, helium and neon also advanced along with uranium, the lone Actinide in this round. Upstart tungsten squeezed past plutonium but now faces a tough matchup with tin. Another contest to watch is iron, the heavyweight Transition Metal against the dense defense of lead. And all eyes are on silver, last year's champion, who squares off against lithium. [Cast your vote in this round of 32](#), then come back next week to see which elements made it to 16. The last four will compete at the Spring 2020 National

Meeting in Philadelphia, with the championship round starting on March 23 at 12:00 noon! [Pick your favorites today!](#)

NATIONAL MEETING NEWS & ACTIVITIES

Available Now: Mobile App for the ACS Spring 2020 National Meeting & Exposition



Download the [ACS Meetings & Events app](#) and start creating your personalized schedule or sync to the Online Planner, bookmark must-see exhibitors, take notes, and navigate the Pennsylvania Convention Center with the mobile app.

Social media and networking features will allow attendees to connect with colleagues, share photos and experiences as well as find local favorites in the Philadelphia area. View the livestream for The Kavli Lecture Series, bookmark your favorite exhibitors, and more!

The mobile app is the official program for the Spring 2020 National Meeting & Expo, so stay up to date with the latest information onsite. [Download the app today!](#)

Special Programming for Chemistry Teachers

Enjoy [two days of programming](#) focused on middle and high school chemistry education in Philadelphia! Attendees can expect a robust schedule of presentations such as:

- Chem 101: Active Learning Platforms for Advanced HS Chem
- Diet Coke and Mentos: Myths, Misconceptions, Mountains, and More
- Station Labs: A Thermochemistry Example
- And more!



Additionally, attendees will have the opportunity to network during the Chemistry Educators Luncheon. [Register](#) for the meeting today!

C&EN's Events at #ACSPhilly



Don't miss [C&EN at #ACSPhilly](#) for special events, prizes, and to stay up-to-date on the latest in chemistry news. We'll be celebrating Women's History Month and C&EN's Trailblazers issue spotlighting women entrepreneurs, speaking with Priestley Medalist JoAnne Stubbe, and more. [Click here](#) to RSVP to invite-only events, be kept up-to-date, and download calendar reminders for other activities from C&EN.

AGFD Communicating Culinary Chemistry Competition: Colloids

Interested in learning about delicious foams, gels, and more? The [AGFD Communicating Culinary Chemistry Competition: Colloids](#) will take place in Philadelphia on Wednesday, March 25, 10:30 AM, at the Drexel University Department of Food & Hospitality Management.



Teams of undergraduate and graduate students from Oregon State,

Columbia, and the University of Puerto Rico Rio Piedras will compete as they describe the chemistry of cooking with colloids. The teams will then participate in an interactive session using their samples to explain the chemistry involved. The panel of judges includes Sunil Malapati, Clarke University; Kathryn Deibler, Flavor Scientist; and Richard V. Pepino Jr., Executive Chef, Food & Hospitality Management, Drexel University. Contestants will provide attendees with tasting samples of their dishes. Tickets are available with [national meeting registration](#). More details can be found on the [competition website](#). Come cheer on these students while you taste and understand their colloid creations!

ACS Board of Directors Meeting



The ACS Board of Directors Regular (Open) Session will feature a special discussion, "How can we attract diverse communities to chemistry and the ACS?" The session will take place on Sunday, March 22, 12:00-1:00 PM, in the Pennsylvania Convention Center, Grand Ballroom B – Level 300. Doors will open at 11:45 AM; sandwiches and beverages will be available while supplies last. For more information, contact secretary@acs.org.

ACS CAREER NAVIGATOR

Register for ACS Career Day Houston - Saturday, March 7

All chemists are invited to attend [ACS Career Day Houston](#) this coming Saturday, March 7, at the Holiday Inn & Suites Westway Park. This one-day event will feature exclusive career development workshops, networking opportunities, recruiter panels, and more. ACS Members can sign-up onsite to meet with ACS Career Consultants during the event. Plus, there will be special onsite-only ACS membership discounts available. [Register now](#) for this FREE career day!



Beaker to Barrel: Chemical Engineering for Chemists



Join us live online March 6–April 3 for "Beaker to Barrel: Chemical Engineering for Chemists," from ACS Professional Education. You'll learn how to apply chemical engineering knowledge to further your bench-grade process and understand important chemical engineering principles including thermodynamics, material balance, reactor design, and more. Find out more and [register today!](#)

Early Career Chemist Spotlight: James Walker, Senior Research Specialist, Dow Chemical Company

Meet the catalysis expert developing better routes to industrial polymers

"It was James Mack at the University of Cincinnati that James Walker credits with igniting his passion for..." [read more](#)



Career Corner: ACS Career Consultants and Other Experts Answer Questions about Advancing Your Career

How can I keep my remote employees engaged and feel like they are part of the team?

Adam Myers, Associate Director, Chromatography & Drug Performance, SSCI

"When an employee is remote, whether regularly working there or just working from home temporarily, inclusion..." [read more](#)

Marciano Bagnoli, Quality Manager, Georgia-Pacific LLC

"Engaging employees hinges on effective communication. Be mindful of how..." [read more](#)

Moji Bonakdar, Senior Director Chemical Medicines, USP

"Keeping remote employees engaged and including them in the team takes a little..." [read more](#)

Adapted from the February 27, 2020 weekly edition of ACS Industry Matters. To subscribe, click [here](#).

C&EN Jobs - Latest Postings

c&en JOBS

- Director of Process R&D (Active Pharmaceutical Ingredients, APIs) | ScinoPharm Taiwan, Ltd. | Tainan Science-based Industrial Park, Taiwan
- Lecturer of Chemistry | Northern Arizona University | Flagstaff, AZ
- Head of Department, Materials Science & Engineering | Whiting School of Engineering, Johns Hopkins University | Baltimore, MD
- Sr. Scientist – Bioanalysis | Novo Nordisk | Indianapolis, IN

ACS NEWS

ACS Strategic Plan Highlights – Learn How You Can Get Involved



ACS started 2020 with more than 152,000 members worldwide working to make the [ACS Strategic Plan](#) a reality. In 2019, 5.2 million articles were downloaded via ACS Mobile; more than 4,200 people participated in the Career Pathways program; more than \$17.6 million in grants were distributed through the Petroleum Research Fund; and more than 15,000 members participated in the Act4Chemistry legislative action network. These are just a few examples of how ACS is achieving its strategic goals. The Society has established a strong foundation for providing value to our members, our community, and people around the globe. ACS members are working every day to address scientific challenges that affect our world by getting involved, giving back, volunteering, and collaborating. To learn more about ACS's strategic plan, the Society's accomplishments, and how you can get involved, visit strategy.acs.org. To share feedback, send e-mail to strategicplan@acs.org.

Free Webinar on March 5: Project Management for Scientists

Your technical skills are top notch, but do you have the skills to move from managing an experiment to planning and managing an entire project? The art and science of running successful cross-functional project teams will be introduced in the next online event from ACS Webinars, "Project Management 101 for Scientists: How to Plan, Budget, and Meet Objectives," on Thursday, March 5, 2:00-3:00 PM ET. ACS



Professional Education instructor [Barry Weinstein](#) will lay out his project management primer during this [free, interactive broadcast](#), advising how to determine project goals and objectives as well as important measurement criteria and how to best apply them.

ACS Bridge Program Aims to Increase Diversity in Chemical Science Graduate Education

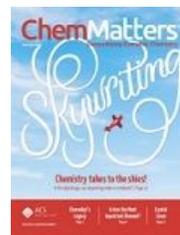


The mission of the [ACS Bridge Program](#) is to diversify the graduate student population in the chemical sciences. The program is currently accepting applications from students interested in pursuing graduate education. Currently, the ACS Bridge Program has 10 participating departments located throughout the U.S. Only departments vetted by the

[ACS Bridge Project](#), that operate on the same principles and goals underlying the project, will have access to this applicant pool. Visit www.acs.org/bridge for eligibility guidelines and to [apply by the April 1 deadline](#).

ChemMatters Helps High School Students Connect Chemistry with Their World

The [February issue of ChemMatters magazine](#) is now live! *ChemMatters* helps high school students make connections between chemistry and the world around them, through relevant stories that emphasize concepts from the classroom. Check out the cover story, "[Chemistry Takes to the Skies](#)," for a close look at how the puffy white letters of skywriting differ from the contrail streaks you see trailing from airplanes. For educators, free Teacher's Guides are available on the [website](#) to help easily incorporate *ChemMatters* in to the classroom.



Visit www.acs.org/chemmatters to learn more, and [subscribe](#) today to access the full issue!

Apply Until March 13 for Petroleum Research Fund Grants



The ACS Office of Research Grants is now accepting [proposals for Petroleum Research Fund \(PRF\) grants](#) to support fundamental research in the petroleum field. Submittals will be accepted until 5:00 PM ET on March 13. Proposals must be directed to fundamental petroleum research in one of 10 specified subject matter areas. Grant programs are available for new professors beginning their

first tenure-track position, and also for established tenured or tenure-track professors pursuing new research directions. Separate grant programs are available for qualified professors in non-doctoral departments. Further information and application forms can be found on the [PRF website](#).

ACS in the News: Popular Mechanics

"[Corny Lithium-Ion Batteries Could Hold Quadruple the Charge](#)" (from *Popular Mechanics*, February 21, 2020)

"Could a simple materials change make electric car batteries able to [hold] four times more energy? Scientists in South Korea think so. In a new [paper](#) in the American Chemical Society's *Nano Letters*, a research team details using silicon and repurposed corn starch to make better anodes for lithium ion batteries."



Who Needs Chemical Educators Insurance?

[Chemical Educators Legal Liability insurance](#) protects from possible lab accidents and the liabilities related to these situations. Educators can no



longer assume their institution or current educators legal liability policy will defend them if a lawsuit arises from their academic duties. Chemical Educators Legal Liability will fill the gaps that most standard coverages do not, by including Contingent Bodily Injury and Pollution Liability within the policy. Is chemical educator insurance right for you? Find out by taking Hays Companies' [online quiz](#).

Save Big On Your Next SUV Rental from Budget!

From now until June 30, 2020, [Budget is offering special savings](#) as low as \$37 per weekend day, \$229 weekly or \$999 for an entire month for your next sport utility vehicle (SUV) rental! 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 your transportation needs are, [Budget has a vehicle to get you there, the way you want to go!](#)



C&EN - This Week's News

- [Faulty probes are to blame for CDC coronavirus testing woes](#)
- [Should the chemical industry have to prove it can pay for pollution cleanup?](#)
- [Groups sue U.S. military to stop PFAS incineration](#)
- [Simple synthesis for shapeshifting molecules](#)
- [Biogen bets big on Sangamo's zinc fingers to treat Alzheimer's](#)
- [Genetic signature links bacterial toxin to colon cancer](#)
- [Molded microfluidic device makes gel "apartments" for single cells](#)
- [China's new place on the front lines of diagnosing and treating coronavirus disease](#)
- [Free-floating electrocatalysts outperform tethered ones](#)
- [TPC faces consequences for Texas explosion](#)
- [Gilead and Moderna lead on coronavirus treatments](#)
- [How to make aziridines from olefins without expensive metals](#)

PHUN & GAMES

Compound Interest: The Women of the Periodic Table



In honor of Women's History Month, we thought it would be good to check out the "[Women of the Periodic Table](#)" post on the *Compound Interest* blog, which chemical educator and blogger Andy

Brunning graced us with on the International Day of Women & Girls in Science. From Marie Curie, who needs little or no introduction, to Darleane Hoffman, who helped discover seaborgium and other elements, to Clarice Phelps, part of the team that discovered tennessine and the first African American woman to be involved in the discovery of an element - it's [an auspicious list and an interesting infographic!](#) And we look forward to that list growing and growing...

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