

ACS MATTERS

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from the American Chemical Society



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Last Chance for Fall Meeting Early Registration Discounts! | **June 18, 2019**

FEATURE

ACS Science Coaches: Sharing Experience and Enthusiasm

Elementary, middle school, and high school teachers can partner with a chemist who will help provide support inside and outside the classroom through the [Science Coaches](#) program and make learning more meaningful for students. Science Coaches is an easy and fun way for teachers to work closely with a chemist who can:



- Provide advice on real-world applications of lessons, demos, or experiments
- Help develop and enhance lesson plans
- Promote inquiry-based learning
- Support classroom-based experiments
- And much more!

[Applications](#) are open now through September 1. Learn more about the program at www.acs.org/sciencecoaches and apply today!

MY ELEMENT



Silicon is Stephen Griffin's submission for today's favorite element story, relating how silicon is absolutely fundamental to our modern lives—essential for many complex applications including cell phones, surgery, robotic welding, and remote spectroscopy to name a few. Thank you for reminding us that silicon is truly much more than just sand on the beach!

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

ADVANCE YOURSELF & YOUR SCIENCE

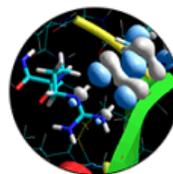
Next Free Webinars: Computational Methodologies *en Español*,

Strengthening Soft Skills for Professional Growth

La Interfase Entre la Química y la Biología Utilizando Métodos Computacionales

Wednesday, June 19, 2:00-3:00 PM ET

The use of computational methods in chemistry and biology is increasingly widespread. Join [Abraham Madariaga Mazón](#) and [Lena Ruiz Azuara](#) of the Universidad Nacional Autónoma de México during this [free, Spanish-language broadcast](#) as they discuss the scope, limitations, achievements, and perspectives when using computational methods in the study of biological chemistry.



Breaking Bad: Discovering and Honing Soft Skills for Professional Growth

Thursday, June 20, 2:00-3:00 PM ET

You have fantastic technical skills as well as a strong chemistry background, so what is impeding your career growth? Join [Fred Meadows](#), Senior Manager of Oil and Gas at Kemira, and [Bryan Tweedy](#) of ACS for this [free, interactive broadcast](#), as they discuss the soft skills that are not usually emphasized in scientific curricula but are important for professional growth no matter what your specific field of study is.



Call for Nominations - ACS Sustainable Chemistry & Engineering Lectureship Awards



Recognize the contributions of early-career investigators from around the world who are doing exceptional research that impacts sustainability, green chemistry, or green engineering! Nominate a colleague for the

[2020 ACS Sustainable Chemistry & Engineering Lectureship Awards](#), co-sponsored by *ACS Sustainable Chemistry & Engineering* and the ACS Green Chemistry Institute.

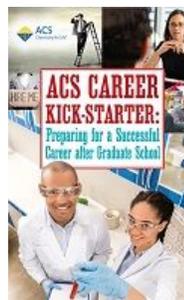
One awardee will be chosen from each of these three regions: The Americas, Europe/Middle East/Africa, and Asia/Pacific. Winners will present at the next ACS Green Chemistry & Engineering Conference in Seattle, Washington (June 16-18, 2020). The deadline for nominations is July 22; visit the [lectureship nomination page](#) for award eligibility and nomination details.

Two-Day Career Workshop for Grad Students and Postdocs

The [ACS Career Kick-Starter workshop](#) is a two-day program for graduate students and postdoctoral scholars to help them prepare for their careers.

By hosting a workshop at your school, you'll help your students be able to:

- Use an individual development framework to examine the intersections of core skills, values, and opportunities to find a satisfying career path.
- Apply career planning skills and knowledge to formulate ongoing professional goals.
- Identify and interpret industry and global trends, and use this knowledge to select a career path.



The workshop will also help identify and strengthen foundational professional skills and competencies. Visit us online to learn more about how you can [host an ACS Career Kick-Starter workshop](#) today.

ACS CAREER NAVIGATOR

Achieve Your Career Goals at the National Meeting

As you prepare your schedule for the ACS National Meeting, consider adding ACS Career Navigator activities and workshops to your registration:



- Register for [ACS Career Pathways™ Workshops](#), expertly designed courses dedicated to providing career guidance to both up-and-coming and professional chemists, and where you can learn about valuable resources such as [ChemIDP™](#).
- Learn how to avoid misunderstandings and awkward confrontations, how to help your employees and colleagues become more effective, and much more by taking an [ACS Leadership Development System®](#) workshop, free for ACS Members.
- Refresh your skills and branch into new areas of emerging science and advanced applications with an [ACS Professional Education](#) course.
- Attend [Career Navigator LIVE!](#) in the Expo Hall to search for jobs, schedule interviews, get a professional headshot, network with potential employers, and meet with [ACS Career Consultants](#) to get personalized job search advice.

Add these activities to your [registration](#) today and give your career a boost!

ACS Career Day is Headed to Detroit in 10 Days



Give your career a boost by joining us on Friday, June 28, as [Career Navigator LIVE Presents ACS Career Day Detroit!](#) This one-day career event will feature workshops on career transitions, résumé updates, and ACS resources, as well as opportunities to

network with local colleagues, recruiters, and ACS staff. ACS Members can take advantage of one-on-one personalized career consulting and FREE headshots. [Register today](#) to attend ACS Career Day Detroit, and tell your colleagues - it's a free local event, and all chemists are invited. See you in Detroit!

C&EN Jobs - Latest Postings

c&en JOBS

- Sr. Technology Transfer Specialist | Pharmavite | Valencia, CA
- Formulator | Pharmavite | Valencia, CA
- Associate Professor or Tenure Track Assistant Professor within Structural Materials Science | Aarhus University | Aarhus, Midtjylland, Denmark
- Non-Tenure Track Instructor - General Chemistry | University of Detroit Mercy | Detroit, MI

ACS NEWS

2019 ACS Graduate Student and Postdoc Surveys

Are you a [graduate student](#) or [postdoc](#) in the chemical sciences who wants to give back to the scientific community? ACS is conducting a study of postdocs and graduate students in the chemical sciences, including chemistry and chemical engineering, in the U.S. By taking the survey, the



chemical sciences community (you and academic departments, other research institutions, federal agencies) will benefit from your input AND you have a chance to win a \$100 gift card or \$1000 in travel funds to help offset the cost of attending an ACS conference. Click [here](#) to take the graduate student survey

and [here](#) to take the postdoc survey.

ACS in the News: *TIME*

"Americans Eat and Inhale Over 70,000 Plastic Particles Each Year According to a New Analysis."
(from *TIME*, June 6, 2019)



"Plastics have for years been used to make nearly everything that surrounds us. But along the way, they escaped the confines of packaging and objects and settled in the environment, the food we eat and the air we breathe. Americans are consuming and breathing in a lot of plastic, finds a new [analysis](#) published in the journal *Environmental Science & Technology*."

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

Register Now for the Outreach Training Program Webinar Series!



The [Outreach Training Program \(OTP\)](#) is designed to help ACS Members improve their science outreach skills and fully maximize Society resources for planning hands-on science events. In-person workshops will be offered at two regional meetings (NERM and SERMACS). If you can't attend the training in person, register now for the seven-webinar series offered through the [ACS](#)

[Learning Management System](#).

The program includes sessions on the history of ACS Outreach, safety in outreach settings, event planning and fundraising, communicating through hands-on activities, marketing and partnerships, leading volunteers, and monitoring success. Attendees will learn to successfully plan and execute hands-on science outreach events, as well as have an opportunity to network and build a community with others who are passionate about science outreach and ACS. For more information, visit the [OTP web page](#) or contact outreach@acs.org.

Apply Today for the Fulbright U.S. Scholar Program

The [Fulbright U.S. Scholar Program](#) is accepting applications for academic year 2020-2021! Whether you plan to conduct independent research, teach students, or pursue a professional project, Fulbright makes a real and lasting impact. Fulbright Scholars return to their home institutions with enhanced career prospects, ideas and contacts for future collaborations, and a truly global perspective. Don't miss out on this [important opportunity to share knowledge and serve as a cultural ambassador](#) through Fulbright. There are more than 460 unique award opportunities available in over 125 countries. A complete list of opportunities can be found in the [Catalog of Awards](#). The deadline to apply is September 16, 2019.



Save On Office Supplies with Office Depot

U.S.-based ACS Members can save 10% off the everyday web price on more than 30,000 office supplies available through the [ACS Office Depot Partner Program](#). From pens to printing, for home, school, or work, you'll find



everything you need 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

- Marking 50 years since the Cuyahoga River fire, which sparked U.S. environmental action
- Industrial ammonia production emits more CO₂ than any other chemical-making reaction. Chemists want to change that
- Periodic Graphics: Environmental impact of industrial reactions
- Trade and plastics woes shadow chemical conference
- New federal rules are supposed to make biosimilars more accessible. Will they work?
- Chemjobber's mailbag: Business cards, interviewing etiquette, and more
- An air of sweat and a fang-tastic meal
- U.S. EPA to revamp pesticide evaluations
- CVS details dietary supplement-testing program
- Vertex expands muscular dystrophy CRISPR programs
- 2019 Green Chemistry Challenge Awards announced
- Ginkgo and Synlogic partner to develop 9 new microbe therapies
- Computing a cleaner polyurethane synthesis
- Errors, little oversight led to gas drillers' deaths in Pryor Trust gas well explosion

PHUN & GAMES

Does the Container Affect the Taste of Your Soda?

Happy summer vacation! As we gear up to drive south for our annual road trip to the Outer Banks, we're made aware of a great feature and video from *Southern Living*, featuring estimable ACS Expert Rick Sachleben, about [the impact that soft drink packaging - can, plastic bottle, or glass bottle - has on the flavor of the drink](#). Not a moment too soon!



We're making extra room in the trunk for all the [Cheerwine](#) we'll bring home...

Hat tip to the [Chemistry Advocates Facebook page!](#)

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