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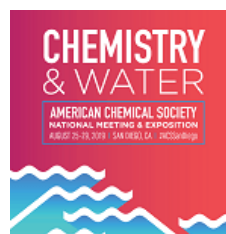
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[Green Chemistry Research Grants Available](#) | **June 25, 2019**

FEATURE

Online Planner with Technical Program Available for Fall 2019 National Meeting

Plan your ACS Fall 2019 National Meeting & Expo experience with the Online Planner. View the technical program, customize your schedule before the meeting starts, and sync to the Fall 2019 event in the ACS Meetings & Events mobile app when it launches.



Kick off your time in San Diego on Sunday, August 25, with the [Opening Session](#), featuring four lectures:

- *Water's Effect on Chemistry* – Prof. Vicki Grassian, University of California - San Diego
- *Meeting the Challenges of the World's Growing Dependence on Groundwater* – Dr. William Alley, National Ground Water Association
- *Environmental Stewardship and Community Service: Essential Best Practices for the Clean Water Utility of the Future* – Dr. Andrew Kricun, Camden County Municipal Utilities Authority, Camden, NJ
- *Water, Water, Everywhere, Nor Any Drop to Drink* – Prof. Bego Gerber, Chemists Without Borders

Then join us for a [Welcome Reception](#) in the Expo!

On Monday, August 26, the [Kavli Foundation Lecture Series](#) will promote groundbreaking discoveries and public understanding of the world's mounting challenges and how chemistry can provide solutions. The series features:

- The Kavli Foundation Emerging Leader in Chemistry Lecture – *Harnessing the quantum mechanics of the hydrogen bond: From atmospheric science to enzyme catalysis* – Prof. Thomas Markland, Stanford University
- The Fred Kavli Innovations in Chemistry Lecture – *Innovation by evolution: Bringing new chemistry to life* – Prof. Frances Arnold, California Institute of Technology

[Register](#) and book housing now to join ACS and your colleagues in San Diego!

MY ELEMENT



Today's favorite element submission from Barry Willen is **krypton**, one of the noble gases, which was discovered in 1898 by William Ramsay and Morris Travers. It was the planet "Krypton," Kal-El's home world from the *Superman* comic book stories, that got Willen interested

in chemistry in the first place, achieving a bachelor's degree where he researched noble gas halides in his senior year. Whether in reality or science fiction, scientific inspiration is everywhere!



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

ADVANCE YOURSELF & YOUR SCIENCE

2019 Fall New Faculty Workshop in Savannah, GA



Chemistry faculty in their first, second, or third year of appointment are encouraged to apply for the final [2019 New Faculty Workshop](#) in Savannah, GA, October 18-19. (The workshop will be held prior to the ACS Southeastern Regional Meeting, but separate registration is required.) This compressed workshop will focus

on developing and implementing evidence-based teaching practices in the classroom.

To be considered for acceptance, your application packet must include a completed application form, a letter of support from your department chair, and a copy of an NIH- or NSF-style biosketch. Applications will be accepted through July 19. For additional information and to start your application, please [visit the New Faculty Workshops website](#).

Free Webinar on June 27: Precision Control of CRISPR-Cas9

You've heard of CRISPR, but how does this technology work? Get answers and expert insights by attending "[Precision Control of CRISPR-Cas9](#)," the next online event from ACS Webinars, on Thursday, June 27, 2:00-3:00 PM ET. CRISPR-Cas9 is programmable RNA-guided DNA endonuclease that provides a simple method for altering genomes, enabling countless applications in basic and biomedical research, agriculture, and medicine.



Join speaker [Amit Choudhary](#) of Harvard Medical School and the Broad Institute, as well as moderator [Venkat Krishnamurthy](#) of AstraZeneca, for this [free, interactive broadcast](#), as they demonstrate how CRISPR-Cas9 is propelling the discovery and validation of small-molecule-based therapeutics and the development of next-generation therapeutic modalities.

What You Will Learn

- The range of different CRISPR-based technologies

- The need for precision control of CRISPR-based technologies and how to establish such controls
- How CRISPR-based technologies are propelling the development of contemporary and emerging therapeutic modalities

Congratulations to the USNCO Team Final Four



Congratulations Albert, Anton, Yajvan, and Edward, the [U.S. National Chemistry Olympiad \(USNCO\)](#) final four team! These students will go on to compete in the International Chemistry Olympiad (IChO), July 21-30, 2019, in Paris, France.

The multi-tiered competition is designed to stimulate young people to achieve excellence in chemistry, recognizing outstanding chemistry, and encouraging additional learning among high school students. The competition kicked off in March with selection of more than 16,000 high school students through 152 ACS Local Sections. The students then participated in a National Examination, and the top 20 moved on to the Chemistry Olympiad Study Camp hosted by the University of Maryland, in which the final four were selected on June 14.

Interested in knowing more? Learn how to get involved in next year's [Chemistry Olympiad](#).

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!

This Friday: Career Navigator LIVE Presents ACS Career Day Detroit



Give your career a boost by joining us this 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!

ACS Career Corner

Early Career Spotlight: Cosmetic Chemist Takes On the Beauty Aisle

When Danusia Wnek of the Good Housekeeping Institute was young, she loved bath time, especially watching bubbles form when soap met running water. As she got older, she played with beauty products and created her own masks to fight acne. "I knew I wanted to be in cosmetics practically since I was born," she says. Wnek grew up in Brooklyn, NY, the child of Polish immigrants. School didn't come easily to her as a kid, but something clicked for Wnek while studying chemistry at St. John's University.... [read more](#)



Ask an Expert: "As a mid-career chemist looking for a job change, how can I show employers that I'm valuable when competing with younger chemists entering the workforce?"

Rampur Viswanath, ACS Career Consultant

"It's important to understand the direction that the company is going and/or growing way before leadership talks about it." [read more](#)



Marciano Bagnoli, ShinEtsu Silicones of America

"Skilled chemists are familiar with all of the technology that goes into making chemistry generate value for the customer. As the technology becomes more specialized..." [read more](#)



Joe Martino, ACS Career Consultant

"The secret to this is relevancy. Chemistry is an enterprise where one needs to be constantly up-to-date in the latest..." [read more](#)



Natalie LaFranzo, ACS Career Consultant

"Hiring managers do not want to spend their time teaching basic professional skills..." [read more](#)



C&EN Jobs - Latest Postings

c&en JOBS

- Chemist | New Mexico Department of Agriculture | Las Cruces, NM
- Faculty Associate | Dept. of Chemical and Biological Engineering, University of Wisconsin | Madison, WI
- Sr. Product Development Technician | Pharmavite | Valencia, CA
- Chair Professor/Professor (Synthetic Organic Chemistry) | City University of Hong Kong | Hong Kong, China

ACS NEWS

Help Teachers Inspire the Next Generation of Scientists!



Join donors who are supporting [ACS programs that help teachers](#) educate and excite young people about science. Under one such program, ACS produces professional development webinars and on-site workshops for teachers of elementary school through high school students. Another initiative, the [Science Coaches](#) program, pairs ACS member volunteer "coaches" with [American Association of Chemistry Teachers](#) (AACT) members to bolster the

teacher's science knowledge and assist with demonstrations and lesson planning. Please [DONATE today](#) to support these and other programs that provide teachers with the latest tools to promote science literacy and inspire the next generation of scientists.

ACS in the News: U.S. News & World Report

"50 Years After Ban, Canadian Lakes Still Have High Levels of DDT" (from *U.S. News & World Report*, June 13, 2019)



"Although DDT was banned in the 1970s, the toxic pesticide still lurks in the sediment of lakes in New Brunswick, Canada, researchers report. To control insects, airplanes sprayed nearly 6,300 tons of DDT onto New Brunswick forests between 1952 and 1968... The [report](#) was published June 12 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.

Make the Most of Your Summer Internship



Finals are over and now it's time to [gear up for your summer internship](#). We talked to students who participated in ACS's SCI Scholars Program and received some valuable feedback that will benefit you on your next internship or have already started. Read more about the program in [inChemistry](#).

AACT Discussion Forums

With summer break upon us, now you have time to exchange ideas with other chemistry teachers about what you observed from students this year, preparations for next year, and best practices for using American Association of Chemistry Teachers (AACT) resources, just to name a few topics.

[AACT Discussions](#) are open year-round and allow you to collaborate with your peers on an informal level, to assist you in preparing for the next school season. [Give some feedback](#) or create your own discussion today.



From Small Packages to Large Freight—Save On Shipping with FedEx®



Whether you ship packages every day or only occasionally, the [ACS Member Shipping Program](#) helps you save on shipping for every FedEx® shipment you send and receive. Managed by [PartnerShip](#), this free program gives U.S.-based ACS Members significant savings on their shipping needs, from small packages up to large freight. There are no minimum usage requirements or obligations, just [great savings](#) included with your ACS membership!

C&EN - This Week's Headlines

- Outsourcing tales from the drug services industry trenches
- Coming out in chem class
- Cultivating entrepreneurs inside BASF
- Chemical makers sign up for sustainability-linked loans
- Entrepreneurial chemist wants to reduce the environmental impact of detergents
- JoAnne Stubbe named 2020 Priestley Medalist
- Magnet doubles hydrogen yield from splitting water
- Pfizer to buy Array for \$10.6 billion
- Chemists discovered new compounds at an exponential rate over the past two centuries
- Carbon fiber composites drive Sekisui acquisition
- Light gives enzyme a radical new role

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PHUN & GAMES

Summer Travel Guide, Insect Edition

It's the bugs' world, we just live in it - this week the always-informative *C&EN* reports on [two recent insects-on-the-move stories](#). First is the 130-by-130-km ladybug swarm that passed over the town of Hesperia, CA, and was large enough to be picked up by National



Weather Service radar; apparently they were heading for the coast, and who doesn't like a trip to the beach in the summertime? On a darker note, there's the more insidious hitchhiking of bedbugs, who have been known to attach themselves to backpacks, purses, and other luggage. If you're visiting major North American cities this summer, regardless of how swanky your lodging might be, take care that you don't bring home any creepy-crawly (and bloodthirsty) souvenirs!

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