



ACS Matters

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January 29, 2019

Feature



Submit Your Application for the ACS Scholars Program

The [ACS Scholars Program](#) is an undergraduate scholarship program that offers financial support, mentoring, and networking for students majoring in a chemical science field. Eligible majors include chemistry, biochemistry, chemical engineering, chemical technology, and

materials science. Selected recipients are awarded up to \$5,000* per academic year. To date, more than 3,000 students have received funding from the program. The application is open until March 1, 2019. Visit www.acs.org/scholars to learn more and submit your application.

**Number of awards and award amounts are determined by school year, demonstrated financial need, and available funding.*

My ACS Story

Alison Bray: I DISCOVER with My ACS

This week's story features university professor [Alison Bray](#), who shares her appreciation for ACS research resources, not just for her students, but for herself as well. Learn more about ACS Publications at pubs.acs.org.



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!

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National Meeting Events & Activities



Available This Week: Preliminary Program for Orlando

The [preliminary program](#) article for the ACS Spring 2019 National Meeting & Exposition is now published in *C&EN*, including general meeting information and the technical program grids showing where and when symposia for each division will be presented.

The meeting boasts a robust technical program: 29 technical divisions and 6 committees are hosting original programming, with 12,830 accepted papers, including 8,183 oral discussions and 4,467 poster presentations. [Read the article and download the preliminary program PDF.](#)

Not yet registered for the Spring 2019 National Meeting & Exposition? Register now to join those from across the globe who will convene in Orlando, Florida, to take part in thought-provoking symposia sessions and poster presentations, and to interact with exhibitors of innovative technologies in chemistry. [Register today!](#)

Orientation and Reception for New Councilors at the ACS National Meeting

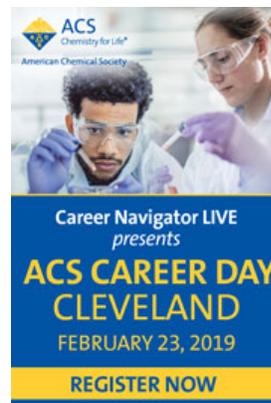
Congratulations to new ACS Councilors! At the upcoming Spring National Meeting in Orlando, the ACS Council Policy Committee will host the 2019 New Councilor Orientation Program & Reception for all newly elected Councilors and Alternate Councilors, on Saturday, March 30, starting at 3:00



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Thank you for reading this e-mail newsletter - we're trying to do our part to care for the environment by keeping you up-to-date while using as little paper as possible!



c&en JOBS
Latest Postings

PM in the Hilton Orlando Hotel, Orange B, with a reception to follow from 6:00-7:00 PM. Attendees will have an opportunity to meet with other ACS leaders, learn more about the Society and ACS committees, and establish mentoring relationships. Special remarks will be given by the ACS President, the President-Elect, the ACS Board Chair, and the Executive Director & CEO. If you're a new Councilor or Alternate Councilor, please let us know if you plan to attend the orientation and reception by sending e-mail to Semora Smith at s_smith@acs.org. We look forward to seeing you in Orlando!



Call for Abstracts – ACS Fall 2019 National Meeting & Expo

ACS is now accepting abstracts for oral and poster presentations at the ACS Fall 2019 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!

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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 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!



Learn Critical Skills from Your Desk with ACS Professional Education

Gain the skills you need to succeed in your career by taking an upcoming online Short Course with ACS Professional Education. Register today for the [Pharmacokinetics and Pharmacodynamics for Chemists Online Short Course](#), where you'll work with accomplished industrial drug discovery expert, Terry Kenakin. If you need help improving your professional writing skills, register for the [Effective Technical Writing Online Short Course](#). View all online courses at proed.acs.org!

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ACS News

Free Webinar on January 31: Insight from Successful Medicinal Chemists

Whether it's creating a drug candidate for the clinic or achieving a breakthrough medicine, drug discovery is one of the most challenging careers for chemists. Hear tales from the frontlines of drug development in the next ACS Webinars event, "[How to Succeed in Drug Discovery](#)," on Thursday, January 31, 2:00-3:30 PM EST.

Join Mark Murcko of Relay Therapeutics, Ann Weber of Kallyope, John Lowe III of JLBPharma, and William Greenlee of MedChem Discovery Consulting, for this [free, interactive webinar](#) in which they'll give their unique perspectives on what experience and characteristics are vital for medicinal chemists.

What You Will Learn

- Insight and perspective on different career paths within the Pharma Industry for chemists
- Behaviors, characteristics, and traits of successful medicinal chemists
- Technical and soft skills ideal for each panelist's position within drug discovery and development



- Two Visiting Assistant Positions | Franklin & Marshall College | Lancaster, PA
- Assistant/Associate Professor of Risk Assessment | Harvard School of Public Health, Department of Environmental Health | Boston, MA
- Year Long Ph.D. Visiting Biochemist | Colorado College | Colorado Springs, CO
- Visiting Assistant Professor of Chemistry and Biochemistry | Bates College | Lewiston, ME
- Postdoctoral Fellowship | Institute of Chemistry of São Carlos, University of São Paulo | São Carlos/SP, Brazil

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ACS EDITORS' CHOICE

Latest Article Selections

- Novel and Potent Dopamine D₂ Receptor Go-Protein Biased Agonists
- Modeling and Simulations of Polymers: A Roadmap
- Bicyclic RGD Peptides with Exquisite Selectivity for the Integrin $\alpha\beta3$ Receptor Using a "Random Design" Approach
- Resolving the Morphology of Peptoid Vesicles at the 1 nm Length Scale Using Cryogenic Electron Microscopy

View more open access articles at pubs.acs.org/editorschoice.

Join us weekly for *free, live ACS Webinars* to learn from the best and brightest minds in chemistry – every Thursday, 2:00-3:00 PM EST!



Apply Now for Women Chemists Travel Award to Attend Fall Meetings

It's time to apply for the ACS Women Chemists Committee (WCC)/Eli Lilly Travel Awards! These grants support undergraduate, graduate, and postdoctoral female chemists to travel to meetings in the U.S. between July 1 and December 31, 2019, to present their research. Awardees receive up to \$1,000—don't

let this opportunity pass you by! Visit the [WCC/Eli Lilly Travel Award](#) website to apply online by March 1, or send e-mail to ACS Diversity Programs at diversity@acs.org.

Still Time to Register for the ACS on Campus 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 [IICT 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're heading to Costa Rica and Colombia for five 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!

Chemistry Café - Advocacy

This column provides tips and tools to help you communicate effectively about your work, research, studies, activities, and public engagement. Our goal is to help you tell your story about science and put a human face on chemistry. Let us know how we can support you by contacting chemistrycafe@acs.org.



Join **Act4Chemistry**, the ACS grassroots legislative advocacy network, to stay up-to-date on policy issues and contact legislators on behalf of chemistry and chemists. Contact advocacy@acs.org to learn more or join.

12 Tips: How to Meet With Your Elected Officials

- Contact the legislator's scheduler to arrange an appointment. Introduce yourself as a constituent, and explain the purpose of the meeting. It's easier to meet elected officials in their local district offices.
- Set a meeting date. Aim to meet for 15-30 minutes. If your legislator isn't available, try an appropriate staff person.
- Prepare. Research the legislator's opinions and his or her current and past positions on your issue. Bring simple, direct information that can be left behind.
- Anticipate questions and be ready with answers.

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This Week's Headlines

- *C&EN*, Table of Contents, January 28 issue
- The search for better antivenoms heats up as snakebites get renewed attention
- Almost extinct in the U.S., powdered laundry detergents thrive elsewhere in the world
- Periodic Graphics: Powder versus liquid detergents
- WuXi AppTec is *C&EN*'s 2018 Company of the Year
- Boosting farm animal health with beneficial microbes
- How nanoparticles could preserve the historic warship Mary Rose
- Stop. Draw. Discuss: How high school approaches are helping fix undergraduate chemistry
- Hating vegetables, loving cold coffee
- Indian researchers take to streets to demand pay hike
- Baby poop may hold a secret to food allergies
- Laser flow photoreactor powers up
- Chemical M&A rebounded in 2018
- Scientist behind birth of gene-edited babies will be punished, Chinese investigators say

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

- If meeting in a group, assign someone to lead, and define everyone's role beforehand.
- Confirm your appointment the day before and arrive early.
- Explain your issue. Emphasize the issue's impact on the district.
- If the legislator has a history of supporting your issue, acknowledge that and thank him/her, but be ready to quickly move to the "new" aspect you wish to discuss. Be clear about what you are asking.
- If the legislator disagrees with you, be prepared to debate, but do not become overly argumentative or political.
- Emphasize the positives of your viewpoint. End the meeting on a positive note.
- Thank the legislator. Determine next steps.
- Send a follow-up thank you letter. Include any additional information you offered to provide.



Intellectual Property Rights and You – ACS Division of Chemistry and the Law (CHAL)

When it comes to patents in the 21st century, you need to be aware of your rights as a citizen as well as an employee of an organization. It's vital that a degree of skill be exercised in drafting documents and following procedures necessary for obtaining

this protection. The ACS Division of Chemistry & the Law (CHAL) is a platform for chemists to contact legal professionals who understand the needs of chemists. Do you need an answer to a legal question? Are you interested in joining a premier organization of legal professionals? [Take 2 minutes](#) to learn more about both.

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Reactions: Why Flamingos Are Pink and HARDCORE

It's cold outside, so we're dreaming of Florida - land of flamingos! Flamingos may be synonymous with tacky lawn ornaments, but the [latest video from Reactions](#) reports that they're one of the most hardcore animals on the planet. They survive where almost nothing else can. And they're pink too.

Reactions is a video series produced by ACS and PBS Digital Studios that uncovers the chemistry all around us. Check out dozens of archived videos that answer the burning questions you've always wanted to ask - with chemistry! Subscribe to Reactions on YouTube and follow us on Twitter.

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ACS Matters is published by the American Chemical Society Membership Division.

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