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Hundreds of presentations from the best and brightest minds that chemistry has to offer are available to you on-demand. The Library is divided into 6 different sections to help you more easily find what you are searching.

Professional Development	Technology & Innovation	Drug Design and Delivery
► View the Collection	► View the Collection	► View the Collection
Learn how to write better abstracts, deliver more engaging presentations, and network to your next dream job. Brush up on your soft skills and set a new career path by mastering what can not be taught in the lab.	From renewable fuels to creating the materials for the technology of tomorrow, chemistry plays a pivotal role in advancing our world. Meet the chemists that are building a better world and see how their science is making it happen.	The Drug Design Delivery Series has built a collection of the top minds in the field to explain the mechanics of drug discovery. Discover the latest research, receive an overview on different fields of study, and gain insight on how to possibily overcome your own med chem roadblocks.
Culinary Chemistry	Popular Chemistry	Business & Entrepreneurship
► View the Collection	► View the Collection	► View the Collection
Why does food taste better when it is grilled or what molecular compounds make a great wine? Discover the delectable science of your favorite food and drink and don't forget to come back for a second helping.	Feeling burdened by all that molecular weight? Listen to experts expound on the amazing side of current hot science topics. Discover the chemistry of rockets, how viruses have affected human history, or the molecular breakdown of a hangover.	How do ideas make it from the lab to the real world? Discover the ins and outs of the chemical industry whether you are looking to start a business or desire a priceless industry-wide perspective.

https://www.acs.org/content/acs/en/acs-webinars/videos.html



Learn from the best and brightest minds in chemistry! Hundreds of webinars on diverse topics presented by experts in the chemical sciences and enterprise.

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From ACS Industry Member Programs

Industry Matters Newsletter

ACS Member-only weekly newsletter with exclusive interviews with industry leaders and insights to advance your career.

Preview & Subscribe: acs.org/indnews



Connect, collaborate, and stay informed about the trends leading chemical innovation

Join: bit.ly/ACSinnovationhub

ACS Career Navigator: Your Home for Career Services



Whether you are just starting your journey, transitioning jobs, or looking to brush up or learn new skills, the **ACS Career Navigator** has the resources to point you in the right direction.

We have a collection of career resources to support you during this global pandemic:



Visit <u>www.ACS.org/COVID19-Network</u> to learn more!

Join us in our efforts to increase the diversity of chemistry.



Valued donors like you have sustained ACS educational programs that are welcoming students from diverse backgrounds into our profession.

www.acs.org/donate



A Career Planning Tool For Chemical Scientists





ChemIDP is an Individual Development Plan designed specifically for graduate students and postdoctoral scholars in the chemical sciences. Through immersive, self-paced activities, users explore potential careers, determine specific skills needed for success, and develop plans to achieve professional goals. **ChemIDP** tracks user progress and input, providing tips and strategies to complete goals and guide career exploration.

https://chemidp.acs.org

ACS Bridge Program

Are you thinking of Grad School?

If you are from an underrepresented racial or ethnic group, we want to empower you to get your graduate degree!

The ACS Bridge Program offers:

- A FREE common application that will highlight your achievements to participating Bridge Departments
- Resources to help write competitive grad school applications and connect you with mentors, students, and industry partners!

Learn more and apply at <u>www.acs.org/bridge</u> Email us at <u>bridge@acs.org</u>







ACS Department of Diversity Programs



Advancing ACS's Core Value of Diversity, Inclusion & Respect

We believe in the strength of diversity in all its forms, because inclusion of and respect for diverse people, experiences, and ideas lead to superior solutions to world challenges and advances chemistry as a global, multidisciplinary science.

Contact Us:

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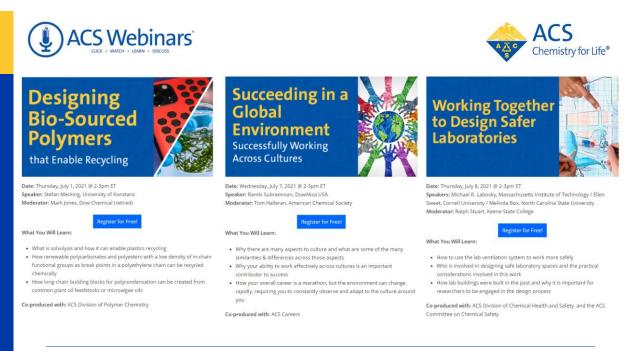
ACS Diversity



acsvoices.podbean.com/



www.acs.org/diversity



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Chemistry on Capitol Hill: 2021 Emerging Policies









Presentation slides are available now! The edited recording will be made available as soon as possible. www.acs.org/acswebinars

This ACS Webinar is co-produced with ACS Government Affairs.

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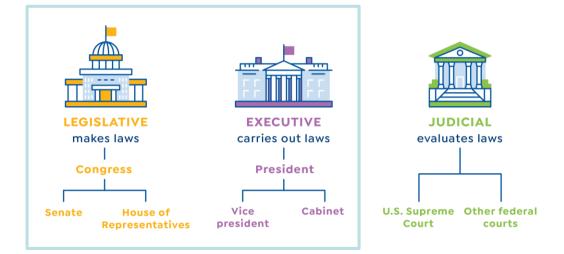


ACS Government Affairs

Lauren Posey June 30, 2021

ACS Government Affairs in the U.S. Government





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- Foster Innovation through Research & Technology
- Strengthen Science Education & Scientific Workforce
- Advance Science through Openness
- Promote Science and Sustainability in Public Policy

www.acs.org/policy



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Specific Successes



ACS Advocacy Highlights:

Sustainability

ACS Defensive Advocacy:

Tax legislation



www.acs.org/advocacy

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Audience Survey Question

ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT

Prior to this webinar, how aware were you of ACS' Government Affairs activities?

- Very aware, I keep up with all of their activity
- Somewhat aware, I occasionally hear about their activity
- Minimally aware, I think I've heard of them before
- Not at all aware, this is the first I'm learning about them



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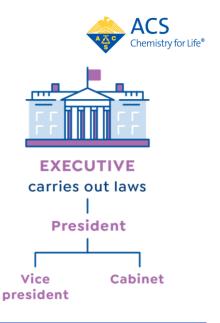
Executive Branch Update

Caroline Trupp Gil June 30, 2021

Executive Branch Appointments

Administrations have ~4000 political appointments to make

- Approximately 1200 posts require Senate confirmation
- 81 positions have been confirmed
- 160 are being considered



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Executive Branch Appointments	ACS Chemistry for Life®
Confirmed Appointments of Interest to ACS	HAD THE PRESIDENT OF THE
 Director of the Office of Science & Technology Policy (OSTP) – Eric Lander 	STILLS - EXCELLE
 Administrator of the Environmental Protection Agency (EPA) – Michael J. Regan 	GRING UNITED STATES
 Secretary of Energy – Jennifer Granholm 	THUR PROTECTION
 Co-Chairs of the President's Council of Advisors on Science & Technology (PCAST) – Francis Arnold and Maria Zuber 	

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Positions Awaiting Action

ACS Chemistry for Life®

- Awaiting Confirmation
 - DOE Geraldine Richmond, Undersecretary for Science
 - DOE Asmeret Berhe, Office of Science Director
 - U.S. Chemical Safety and Hazards Investigation Board (CSB)
 3 nominees: Sylvia Johnson, Steve Owens, Jennifer Sass
- Outstanding Vacancies
 - 5th / Final CSB Board Member
 - NIST Director (Undersecretary of Commerce for Standards and Technology)

The Biden Administration Priorities





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President's Budget Request



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"Don't tell me what you value, show me your budget, and I'll tell you what you value."

- U.S. President Joe Biden

- The Fiscal Year 2022 PBR is the first step of the Budget process and was released on June 2, 2021
- It sets the Administration's priorities for the coming year, but Congress actually sets the budget, which may (or may not) follow the PBR

Fiscal Year 2022 President's Budget Request



Program/Agency	FY2021 (millions)	FY2022 Request (millions)
DOE Office of Science	\$7,026	\$7,440
NIST	\$1,034	\$1,497
NSF Research and Related Activity	\$6,909	\$8,139
ARPA-E	\$427	\$500
ARPA-C	- (newly established)	\$200
NIH	\$42,934	\$51,953

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Relevant Administration Priorities

- COVID-Relief
- Climate Change
- Diversity & Racial Equity
- S&T Innovation & Competitiveness
- Sustainability
- Infrastructure



Photo: Adam Schultz/White House/Zuma Wire

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Legislative Branch Update

Carl Maxwell June 30, 2021

117th Congress: ACS Advocacy Agenda

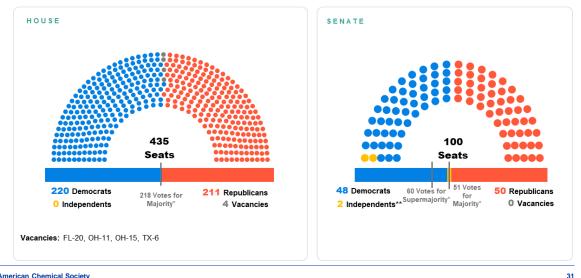
- Ensure Robust Scientific Funding
- Support a Diverse STEM Education and Workforce Pipeline
- Promote Sustainability across Global Chemistry Enterprise and Environment
- Ensure Integrity of Science in Policy and Regulatory Decision Making



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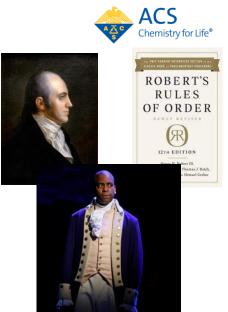




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Senate Procedures 101: Why You Should Care

- Filibuster
 - Previous question
 - Cloture = 3/5 = 60 votes to end debate _
- Reconciliation
 - Budget Act of 1974 _
 - Automatically limits debate to 20 hours
 - Spending or revenue "impact"
 - 51 votes (or 50+VP in case of a 50-50 tie)



The Budget Process: Authorization vs. Appropriation

Authorization = permission to buy something

Congressional

Appropriation

Appropriation = writing the check



Relevant Congressional Activity

- Fiscal Year 2022 budget ٠
- Innovation bills ٠
- Infrastructure ٠
- Sustainability •
- **STEM Education** ٠
- Nominations assembly line ٠







Resolve differences

in House & Senate

Appropriations



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bills into law

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Innovation Authorization Legislation



House

- NSF for the Future Act
 - Increases funding by \$2 Billion in 2022
 - Grows NSF at 6% annual rate
 - Establishes Technology Directorate
- DOE Science for the Future Act
 - Increases DOE Science from \$7 Billion to \$11 Billon over 5 years
 - Guidance for Facilities & Research
 - Helium Conservation
- Sustainable Chemistry
- ACS Endorsed

Senate

- U.S. Innovation and Competitiveness Act
 - \$81 Billion over 5 years for NSF w/ new Tech Directorate
 - \$50 Billion for Domestic Semiconductor development
 - \$10 Billion for NIST technology hubs
 - Research Security
 - Visa Limitations



Infrastructure, and What Is It?

- Highways
- Public transit
- Water/wastewater
- Pedestrian
- · Ports and terminals
- Broadband
- · Electric grid
- Government buildings
- Senior home care



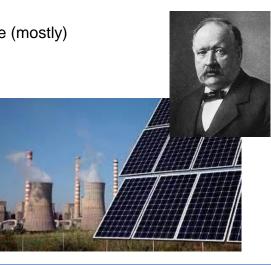


Sustainability and Climate Change



- Acceptance of climate change science (mostly)
- Taxing carbon vs. regulating carbon
- Renewable energy standards
- Plastic waste
 - Research
 - Regulation
 - Waste collection
- Green and sustainable chemistry

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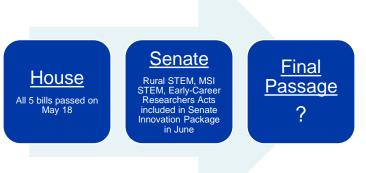


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STEM Education

- Combating Sexual Harassment in Science Act
- The STEM Opportunities Act
- The MSI STEM Achievement Act
- Rural STEM Education Research Act
- Supporting Early-Career Researchers Act



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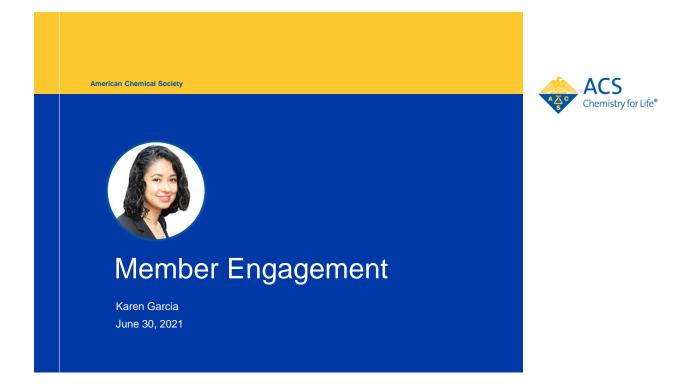
Audience Survey Question

ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT

Which topic do you think is MOST important for ACS to advocate for?

- Sustainability
- STEM Education
- Research funding
- Climate change
- They are all important I can't choose just one!





ACS Needs YOU

- Constituents and scientific experts have the **power** to sway policy
- We dedicate time and resources to:
 - Encourage members to engage
 - Inform members of relevant policies and legislation
 - Make it easy for members to engage

www.acs.org/advocacy

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Act4Chemistry Resources

- Find your legislator tool
- Action alerts on relevant legislation
- Letter templates for advocacy via: calling, town halls, scheduling meetings
- And much more!







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ACS' free, online, on-demand course provides ~2 h of training in skills, resources, logistics, and communication for federal-level chemistry advocacy.

www.acs.org/chemstryadvocacy



Act4Chemistry Legislative Action Network

- Join 10,000+ members
- An easy way to advocate for chemistry and takes only minutes to join and act!

www.acs.org/act4chemistry

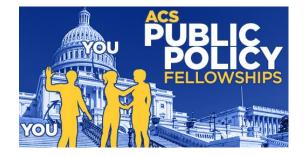


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ACS Public Policy Fellowships



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Applications open November 15 - January 15



Science Policy Fellow

 Works in-house with ACS Government Affairs team

Congressional Fellows

- 2 Fellows embedded in Congressional offices
- Administered by AAAS S&T Fellowship Program



ASK YOUR QUESTIONS AND MAKE YOUR COMMENTS IN THE QUESTIONS PANEL NOW! 4





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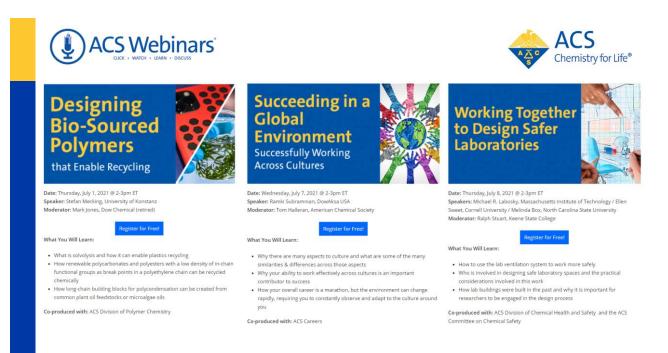
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ACS Webinars





Date: Thursday, July 1, 2021 @ 2-3pm ET Speaker: Stefan Mecking, University of Konstanz Moderator: Mark Jones, Dow Chemical (retired)

What You Will Learn:

- What is solvolysis and how it can enable plastics recycling
- How renewable polycarbonates and polyesters with a low density of in-chain functional groups as break points in a polyethylene chain can be recycled chemically
- How long-chain building blocks for polycondensation can be created from common plant oil feedstocks or microalgae oils

Co-produced with: ACS Division of Polymer Chemistry

Succeeding in a Global Environment Successfully Working Across Cultures

Date: Wednesday, July 7, 2021 @ 2-3pm ET

What You Will Learn:

you

contributor to success

Co-produced with: ACS Careers

Speaker: Ramki Subramnian, DowAksa USA Moderator: Tom Halleran, American Chemical Society

similarities & differences across those aspects



Working Together to Design Safer Laboratories

Date: Thursday, July 8, 2021 @ 2-3pm ET

What You Will Learn:

Speakers: Michael R. Labosky, Massachusetts Institute of Technology / Ellen Sweet, Cornell University / Melinda Box, North Carolina State University Moderator: Ralph Stuart, Keene State College



- How to use the lab ventilation system to work more safely
 Who is involved in designing safe laboratory spaces and the practical considerations involved in this work
- How lab buildings were built in the past and why it is important for researchers to be engaged in the design process

Co-produced with: ACS Division of Chemical Health and Safety and the ACS Committee on Chemical Safety

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· Why there are many aspects to culture and what are some of the many

· How your overall career is a marathon, but the environment can change

rapidly, requiring you to constantly observe and adapt to the culture around

· Why your ability to work effectively across cultures is an important