Type them into questions box!

“Why am I muted?”
Don’t worry. Everyone is muted except the presenter and host. Thank you and enjoy the show.

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[Hundreds of recordings on diverse topics presented by experts in the chemical sciences and enterprise.]

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

www.acs.org/acswebinars
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

♦ ACS Innovation Hub

Connect, collaborate, and stay informed about the trends leading chemical innovation
Join: bit.ly/ACSiinnovationhub
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:

- Professional Education
- Virtual Career Consultants
- ACS Leadership Development System
- Career Navigator LIVE!
- ChemIDP
- College to Career
- ACS Webinars
- Virtual Classrooms

Visit www.ACS.org/COVID19-Network 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.

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 www.acs.org/bridge
Email us at bridge@acs.org
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:
https://app.suggestionox.com/r/DI_R
Diversity@acs.org

@ACSDiversity
ACS Voices Podcast
acsvoices.podbean.com/

www.acs.org/diversity

ACS Webinars

Designing Bio-Sourced Polymers
that Enable Recycling
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 polyesters and polyurethanes 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
Speaker: Ramki Srinivasan, Dowell S.E.A.
Moderator: Tom Halloran, American Chemical Society
What You Will Learn:
• Why there are many aspects to culture and what are some of the many similarities & differences across those aspects
• Why your ability to work effectively across cultures is an important contributor to success
• How your overall career is a marathon, but the environment can change rapidly, requiring you to constantly observe and adapt to the culture around you
Co-produced with: ACS Careers

Working Together to Design Safer Laboratories
Date: Thursday, July 8, 2021 @ 2-3pm ET
Speakers: Michael R. Latosik, Massachusetts Institute of Technology / Ellen Sauer, Cornell University / Melanie Bex, North Carolina State University
Moderator: Ralph Stuart, Keene State College
What You Will Learn:
• 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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This ACS Webinar is co-produced with ACS Office of Government Affairs.

Chemistry on Capitol Hill
2021 Emerging Policies

FREE Webinar | TODAY at 2pm ET

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KAREN GARCIA
Senior Advocacy Specialist, American Chemical Society

CAROLINE TRUPP GIL
Director of Federal Relations, American Chemical Society

CARL MAXWELL
Advocacy Manager, American Chemical Society

LAUREN POSEY
Government Affairs Manager, American Chemical Society

Chemistry on Capitol Hill: 2021 Emerging Policies

Presentation slides are available now! The edited recording will be made available as soon as possible.

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ACS Government Affairs in the U.S. Government

**LEGISLATIVE** makes laws
- Congress
  - Senate
  - House of Representatives

**EXECUTIVE** carries out laws
- President
  - Vice president
  - Cabinet

**JUDICIAL** evaluates laws
- U.S. Supreme Court
- Other federal courts
ACS Government Affairs Team

- **Public Policy**
  - Manages ACS Policy Statement development

- **Federal Affairs**
  - Engages with federal agencies

- **Advocacy**
  - Direct lobbying on ACS issues

- **Member Engagement**
  - Act4Chemistry network

Under the ACS Office of the Secretary & General Counsel

ACS Policy Statement Categories

- 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
Specific Successes

ACS Advocacy Highlights:
• Sustainability

ACS Defensive Advocacy:
• Tax legislation

www.acs.org/advocacy

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
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
Executive Branch Appointments

- **Confirmed Appointments of Interest to ACS**
  - **Director of the Office of Science & Technology Policy (OSTP)** – Eric Lander
  - **Administrator of the Environmental Protection Agency (EPA)** – Michael J. Regan
  - **Secretary of Energy** – Jennifer Granholm
  - **Co-Chairs of the President’s Council of Advisors on Science & Technology (PCAST)** – Francis Arnold and Maria Zuber

Positions Awaiting Action

- **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

**Build Back Better**
- Invest in America
- Address inequity through workforce development
- Combat the Climate Crisis
- "Listen to Science" to combat the COVID-19 Pandemic

**ACS 2021 Advocacy Agenda**
- Ensure Robust Scientific Funding
- Support a Diverse STEM Education and Workforce Pipeline
- Promote Sustainability across Global Chemistry Enterprise and Environment
- Ensure Integrity in Policy and Regulatory Decision Making

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President’s Budget Request

"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

<table>
<thead>
<tr>
<th>Program/Agency</th>
<th>FY2021 (millions)</th>
<th>FY2022 Request (millions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOE Office of Science</td>
<td>$7,026</td>
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<tr>
<td>NIST</td>
<td>$1,034</td>
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<td>NSF Research and Related Activity</td>
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<tr>
<td>ARPA-E</td>
<td>$427</td>
<td>$500</td>
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<tr>
<td>ARPA-C</td>
<td>- (newly established)</td>
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<tr>
<td>NIH</td>
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<td>$51,953</td>
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</tbody>
</table>

Relevant Administration Priorities

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

Photo: Adam Schultz/White House/Zuma Wire
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
Current U.S. Congress

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

1. President’s Budget Request
2. Congressional Authorization
3. Congressional Appropriation
4. Resolve differences in House & Senate Appropriations
5. President signs Appropriations bills into law

- Authorization = permission to buy something
- Appropriation = writing the check

Relevant Congressional Activity

- Fiscal Year 2022 budget
- Innovation bills
- Infrastructure
- Sustainability
- STEM Education
- Nominations assembly line
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 Billion 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

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
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](http://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!
ACS Chemistry Advocacy Workshop

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/chemistryadvocacy

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
ACS Public Policy Fellowships

Science Policy Fellow
- Works in-house with ACS Government Affairs team

Congressional Fellows
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- Administered by AAAS S&T Fellowship Program

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2021 Emerging Policies

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