

Contact ACS Webinars <sup>®</sup> at acswebinars@acs.org



Contact ACS Webinars <sup>®</sup> at acswebinars@acs.org

### **Check out the ACS Webinar Library!** An ACS member exclusive benefit



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	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.

**Edited Recordings** are an exclusive ACS member benefit and are made available once the recording has been edited and posted.

**Live Broadcasts** of ACS Webinars<sup>®</sup> continue to be available to the general public several times a week generally from 2-3pm ET!

A **collection of the best recordings** from the ACS Webinars Library will occasionally be rebroadcast to highlight the value of the content.



# **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 Department of Diversity Programs**

ACS Chemistry for Life®

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





acsvoices.podbean.com/



www.acs.org/diversity

# ACS Webinars



#### How Industry is Driving Sustainability Through Innovation



#### Date: Wednesday, May 12, 2021 @ 2-3pm ET Speakers: Peter Eckes, BASF / Gayle Schueller, 3M / Bob Maughon, SABIC Moderator: Rebekah Paul, American Chemical Society

Registe

- What You Will Learn:
- The role of the chemical industry in driving sustainability
   How sustainable innovations can benefit the consumer, the chemical
- industry and the environment

   Opportunities for the next generation in the chemical industry

Co-produced with: ACS Industry Member Programs



#### Date: Thursday, May 13, 2021 @ 2-3pm ET

Speakers: Tilak Chandra, University of Wisconsin-Madison / Katie Kruszynski, University of Wisconsin-Madison / Markus Schaufele, Northwestern University Moderator: Ralph Stuart, Keene State College Register for Free

#### What You Will Learn:

- The emerging concerns related to nanoparticle safety, both in the laboratory and in the environment
- How a "what if" method can be used for a hazard assessment to develop a and a session of the set of the set of the session of th
- safe operating procedure
  What research about nanoparticles in the environment tells us about
  potential hazards

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

www.acs.org/acswebinars





Date: Tuesday. May 18. 2021 @ 2-3pm ET Speaker: Xlaoxing Xi. Temple University

What You Will Learn:

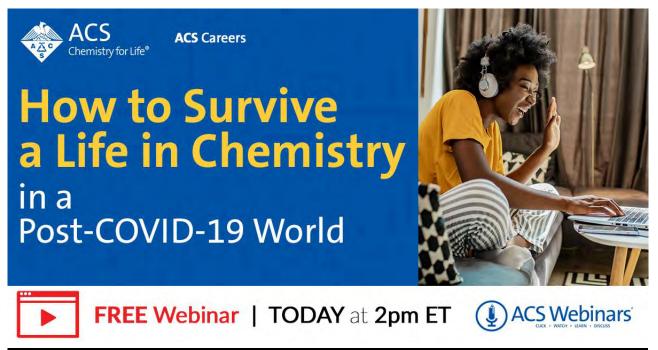
Moderator: Andrea Widener. Chemical & Engineering News



- A personal account of what occurs when the DOJ charges someone for stealing secrets
- Why criminal investigations and prosecutions under the DO/S "China initiative" are unjust to Chinese scientists and damaging to American leadership in science and technology
- Why open fundamental research is facing an existential threat and what a federal scientific group recommends to address China influence within the framework of research integrity

Co-produced with: Chemical & Engineering News

11



THIS ACS WEBINAR WILL BEGIN SHORTLY... 12

13





How to Survive a Life in Chemistry in a Post-COVID-19 World





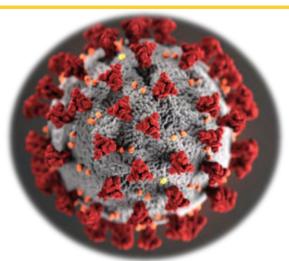
Presentation slides are available now! The edited recording will be made available as soon as possible.

www.acs.org/acswebinars This ACS Webinar is co-produced with ACS Careers.



**The Enemy:** Still Here, But We're Winning!





### Audience Survey Question

ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT

### What pathway in your chemistry career are you following?

- Industry
- Academic
- Government
- Entrepreneurship (a.k.a: Working for Yourself)
- Other (Tell us more in the chat)

 $\ast$  If your answer differs greatly from the choices above tell us in the chat!







- What has happened?
- Where are we now?
- Thoughts on where we are going.

Tips and tricks presented throughout the presentation.





### What has happened?



17

### WE'VE GONE THROUGH PLENTY!

- One year of COVID-19 close to 600,000 deaths.
- Very uneven rollout of COVID-19 mitigation procedures from state to state!
- Politicization of mask-wearing some wear them and some don't.
- Fallout from the death of George Floyd.
- Attack on the US Capitol on January 6<sup>th</sup>.







19



Chemistry for Life®





- Americans are grieving, exhausted and angry and these emotions are very palpable!
- Our children have experienced a trauma that we as children did not.
- Trust in government institutions has eroded.
- Trust in the stability of American Democracy has been shaken.

### All of this is unprecedented in our lifetimes.

American Chemical Society





### From last year's talk:



### Academic institutions are in "suspended animation"

- Restricted to essential personnel
- Minimal staff present due to social distancing rules
- Virtualization
- Industry
  - Team approach
  - Potential for shift work, due to demand and to accommodate social distancing
  - Virtualization of non-laboratory work

American Chemical Society



### Where are we now?



23

### Academic institutions are pushing to return to normal

- Some universities requiring COVID-19 vaccinations (e.g.: Rutgers).
- Some are targeting opening to as full a capacity as possible in as safe a manner as possible.
- Strong preference toward in-person, traditional learning (though some elements of the virtual experience will probably remain).
- Industry
  - Employers encouraging employees to get vaccinated for COVID-19, especially those in the lab and travelling.
  - Work-from-home options will be more plentiful than before.
  - Zoom meetings and job interviews for better or worse are here to say. They
    are cost-effective and reduce travel.

25

### **Audience Survey Question**

ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT

### In general, how do you feel about video conferencing?

- Love it •
- Like it
- Are neutral about it
- Hate it



\* If your answer differs greatly from the choices above tell us in the chat!







- Free options available but with restrictions
  - FreeConferenceCall.com, Google Meet, Zoom has a free, but limited option
- Skype, Google Hangouts, WhatsApp and LinkedIn offer free video chats
  - If you subscribe to Google Fi, you can make calls through Google Messaging.
- **Takeaway:** Set up a free teleconferencing account but read the fine print! The freebies from last year are not necessarily there!

```
American Chemical Society
```



Video Conferencing Tips – **These Haven't Changed** 



27

Chemistry for Life®

- Test drive your service and equipment get familiar with it before you go live.
- Be aware of your background! Use something neutral or use the service's "background blur" or artificial background.
- **Dress appropriately!** Business casual is acceptable, but when • interviewing, you should wear business formal (i.e.: interview suit)!
- Accept the fact that video conferencing robs you of privacy -• you will be at home doing this!





ACS Chemistry for Life®

Structure and Self-Discipline A Review From Last Year – This Didn't Change!

American Chemical Society



### Adding Structure and Self-Discipline



- What time do you get up to go to work? Get up at that time!
- Get dressed as if you're going to work no fuzzy slippers!
- What time do you go to lunch? Take a break? Keep those times!
- Beware that you'll be doing more time in front of a computer!
  - Check ergonomics
  - Take a break from the computer screen
- Find a way to exercise!
- Find a way to socialize!



### Adding Structure and Self-Discipline



### Make a list!

- Write down the tasks that you need to accomplish in one day
- Do the simplest things first gives you a sense of accomplishment

### Track your accomplishments

- If you're working from home, document your work as if you were in the office
- If you're furloughed or in transition, summarize any networking conversations for future reference

### Reward yourself for a job well done!

American Chemical Society

### Audience Survey Question

ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT

### In general, how do you feel about networking?

- Love it
- Like it
- Are neutral about it
- Hate it



\* If your answer differs greatly from the choices above tell us in the chat!





- We are slowly but surely going back to an in-person modality.
- It will most likely not be the same as pre-COVID-19, but a hybrid.
  - Zoom meetings are here to stay.
  - People are by nature social, so there is a need for in-person contact.
    - We are chemists. Virtual lab work is not an option!
    - Students need and are demanding an in-person option!



- Employers are encouraging their employees to return to the office
  - Lab work
  - Meeting with external clients
  - Unevenness of COVID-19 mitigation protocols









### Why Get Vaccinated For Networking?



- You're doing your part to end the COVID-19 pandemic.
- You will be saving lives including possibly your own!
- You are returning control of things back to where it belongs in your hands!
- You are protecting yourself from others who for whatever reason don't believe in vaccines or masks.
- You are giving yourself flexibility since COVID-19 mitigation protocols vary from place to place.



- Be professional! Now is not the time to be casual!
- Avoid politics or COVID-19 in any networking conversation.
- Do not drink any alcoholic beverages at all.
- **<u>Practice patience</u>**. All of us have undergone a trauma.
- Show empathy!





37

Chemistry for Life®

- Sign up for a free conferencing service
  - Virtual "face time"
- Utilize LinkedIn (and if you still don't have a LinkedIn account, sign up for one!)
- Pick up the phone!
- Email!
- Reach out to networking groups to see if they need help during this time
- The key here is to maintain your network (and if you're vaccinated, you might have the option to do this in person!)

ACS

Chemistry for Life®

39



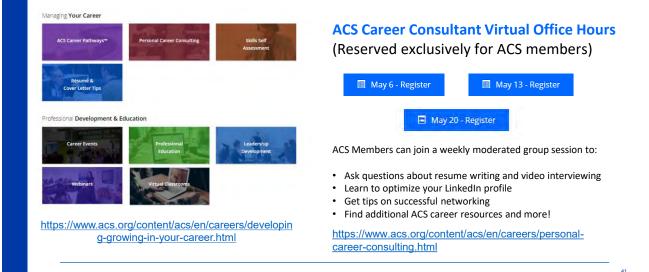
# Fill the gap! A Review

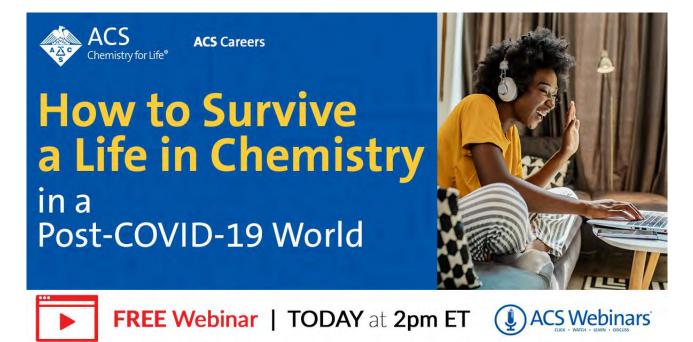
- Remember: Employers will ask what you have been doing during COVID-19 lockdown!
- Volunteer for a professional organization (wink, wink, nod, nod)
- Why? •
  - It develops skill sets that you may not be able to develop at work
  - It develops your network (and more importantly, advocates) —
  - Solid resume experience \_
- Online courses and classes •
- For some, consulting •



### **ACS Career Resources**







ASK YOUR QUESTIONS AND MAKE YOUR COMMENTS IN THE QUESTIONS PANEL NOW! 42





#### How to Survive a Life in Chemistry in a Post-COVID-19 World





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 Careers.



#### How Industry is Driving Sustainability Through Innovation

Date: Wednesday, May 12, 2021 @ 2-3pm ET Speakers: Peter Eckes, BASF / Gayle Schueller, 3M / Bob Maughon, SABIC Moderator: Rebekah Paul, American Chemical Society

Register for Free!

#### What You Will Learn:

- The role of the chemical industry in driving sustainability
- How sustainable innovations can benefit the consumer, the chemical industry and the environment
- Opportunities for the next generation in the chemical industry

Co-produced with: ACS Industry Member Programs



Date: Thursday, May 13, 2021 @ 2-3pm ET Speakers: Tilak Chandra, University of Wisconsin-Maddison / Katie Kruszynski, University of Wisconsin-Madison / Markus Schaufele, Northwestern University Moderator: Rajph Stuart, Keene State College



The emerging concerns related to nanoparticle safety, both in the laboratory

- and in the environment

   How a "what if" method can be used for a hazard assessment to develop a
  safe operating procedure
- What research about nanoparticles in the environment tells us about potential hazards

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

www.acs.org/acswebinars



ACS Chemistry for Life<sup>®</sup>

Open Exchange, and American Competitiveness



43

Date: Tuesday, May 18, 2021 @ 2-3pm ET Speaker: Xiaoxing Xi. Temple University Moderator: Andrea Widener, Chemicol & Engineering News

What You Will Learn:

 A personal account of what occurs when the DOJ charges someone for stealing secrets

Register for Free

- Why criminal investigations and prosecutions under the DO/s "China Initiative" are unjust to Chinese scientists and damaging to American leadership in science and technology
- Why open fundamental research is facing an existential threat and what a federal scientific group recommends to address. China influence within the framework of research integrity.

Co-produced with: Chemical & Engineering News



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

**Edited Recordings** are an exclusive ACS member benefit and are made available once the recording has been edited and posted.

**Live Broadcasts** of ACS Webinars<sup>®</sup> continue to be available to the general public several times a week generally from 2-3pm ET!

A **collection of the best recordings** from the ACS Webinars Library will occasionally be rebroadcast to highlight the value of the content.

www.acs.org/acswebinars





ACS Webinars<sup>®</sup>does not endorse any products or services. The views expressed in this presentation are those of the presenter and do not necessarily reflect the views or policies of the American Chemical Society.



Contact ACS Webinars <sup>®</sup> at acswebinars@acs.org

# **ACS Webinars**



#### How Industry is Driving Sustainability Through Innovation



# Date: Wednesday, May 12, 2021 @ 2-3pm ET Speakers: Peter Eckes, BASF / Gayle Schueller, 3M / Bob Maughon, SABIC Moderator: Rebekah Paul, American Chemical Society

- What You Will Learn:
- The role of the chemical industry in driving sustainability How sustainable innovations can benefit the consumer, the chemical
- industry and the environment · Opportunities for the next generation in the chemical industry

Co-produced with: ACS Industry Member Programs



#### Date: Thursday, May 13, 2021 @ 2-3pm ET

Speakers: Tilak Chandra, University of Wisconsin-Madison / Katie Kruszynski, University of Wisconsin-Madison / Markus Schaufele, Northwestern University Moderator: Ralph Stuart, Keene State College

#### What You Will Learn:

- · The emerging concerns related to nanoparticle safety, both in the laboratory
- and in the environment How a "what if" method can be used for a hazard assessment to develop a
- safe operating procedure What research about nanoparticles in the environment tells us about potential hazards

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

www.acs.org/acswebinars





What You Will Learn:

Date: Tuesday, May 18. 2021 @ 2-3pm ET Speaker: Xlaoxing Xi, Temple University Moderator: Andrea Widener. Chemical & Engineering News



- · A personal account of what occurs when the DOJ charges someone for stealing secrets
  Why criminal investigations and prosecutions under the DOJ's "China
- Initiative" are unjust to Chinese scientists and damaging to American leadership in science and technology
   Why open fundamental research is facing an existential threat and what a
- federal scientific group recommends to address China influence within the framework of research integrity.

Co-produced with: Chemical & Engineering News