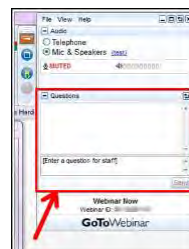




Have Questions?



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.

Contact ACS Webinars® at acswebinars@acs.org

1



@AmericanChemicalSociety



@AmerChemSociety



@AmerChemSociety



<https://www.linkedin.com/company/american-chemical-society>

Contact ACS Webinars® at acswebinars@acs.org

2

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

▶ 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.

Technology & Innovation

▶ View the Collection

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.

Drug Design and Delivery

▶ View the Collection

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 possibly overcome your own med chem roadblocks.

Culinary Chemistry

▶ 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.

Popular Chemistry

▶ View the Collection

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.

Business & Entrepreneurship

▶ View the Collection

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>

3



ACS Webinars®

CLICK • WATCH • LEARN • DISCUSS



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® 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 be broadcast on Fridays from 2-3pm ET!

www.acs.org/acswebinars

4

What is ACS on Campus?



ACS visits campuses across the world offering FREE seminars on how to be published, find a job, network and use essential tools like SciFinder. ACS on Campus presents seminars and workshops focused on how to:



- Publish in top journals
- Find a job
- Effectively use research tools like SciFinder® and ACS ChemWorx
- Communicate your science
- Write grant proposals
- Build industry partnerships
- Prepare for a changing employment landscape

<http://acsoncampus.acs.org>

5

Advance YOUR CAREER

ChemIDP™



ChemIDP.org

Discover ACS PUBLICATIONS

Publishing Resources







publish.acs.org

Connect WITH CHEMISTS AND OTHER SCIENCE PROFESSIONALS

CAS SciFinder Future Leaders



**171 alumni, 35 countries
and over 120 institutions**

From ACS Industry Member Programs

◆ LinkedIn Learning from ACS

Full access to 15K+ on-demand LinkedIn Learning courses at no additional cost for ACS Members. Space is limited - opt in now for access through Dec. 31!

Opt In: bit.ly/LIL-optin

◆ Industry Matters Newsletter

Exclusive interviews with industry leaders and insights to advance your career.

Preview & Subscribe: acs.org/indnl

◆ ACS Innovation Hub LinkedIn Group

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

Join: bit.ly/ACSinnovationhub

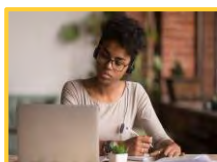


ACS Career Navigator: Your Home for Career Services



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:



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!

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 Diversity



acsvoices.podbean.com/



www.acs.org/diversity

9

Diversity, Inclusion, and Respect Advisory Board (DI&R AB)



ACS Executive Leadership Team, Board of Directors, and DI&R AB Members

- Supports the ACS Board of Directors and Committee on Professional and Member Relations (P&MR) in implementing the Society's core value of Diversity, Inclusion, and Respect
- Involved in both strategy recommendations and tactical execution, with the goal of seeing holistic engagement towards a more inclusive Society and scientific community
- Central hub for ACS members and governance units working together to build a culture of inclusion within ACS

10

Free ACS Webinars Every Week!

Upcoming Broadcasts



Friday, October 16, 2020 at 2-3pm ET

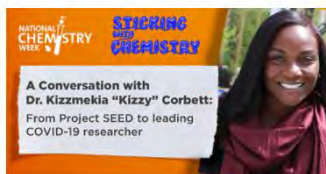
Speakers: Debbie Decker, University of California, Davis / Ken Kretschman, North Carolina State University / Craig Merlic, University of California, Los Angeles
Moderator: Chuck Geraci, National Institute for Occupational Safety and Health

[Register for Free!](#)

What You Will Learn

- How to manage nanomaterial-containing products as part of an already-existing environmental, health, and safety (EHS) program
- How to create and maintain a strong safety culture in a lab and the benefits of that culture
- Resources that are available to laboratories, manufacturers, and processors to safely handle nanomaterials

Co-produced with: Materials Research Society, National Nanotechnology Initiative, and ACS Chemical Safety Programs



Thursday, October 22, 2020 at 1-2pm ET

Speakers: Kizzmekia Corbett, National Institutes of Health / Raquel Jemison, ACS Scholars / Project SEED
Moderator: Susan Ainsworth, ACS Office of Philanthropy

[Register for Free!](#)

What You Will Learn

- Dr. Corbett's background and career progression
- Her role leading vaccine research at the National Institutes of Health
- An update on the development of a COVID-19 vaccine

Co-produced with: the ACS Office of Philanthropy ACS Project SEED



Wednesday, October 28, 2020 at 2-3pm ET

Speakers: Jim Skinner, Terregena, Inc. and H.N. Cheng, 2020 ACS President-Elect
Moderator: Diane Grob Schmidt, 2015 ACS President

[Register for Free!](#)

What You Will Learn

- Why it is critically important to have detailed Business Plan
- What are the sections of a Business Plan
- What is the goal of the Business Plan

Co-produced with: ACS Industry Member Programs, ACS President-Elect, ACS Board Committee on Corporation Associates, ACS Committee on Technician Affairs, the ACS Division of Small Chemical Businesses, and the ACS Division of Business Development and Management

www.acs.org/acswebinars

11

CHEMICAL INDUSTRY

INNOVATION & CAREER OPPORTUNITIES



ACS
Chemistry for Life®



Société de Chimie Industrielle



THIS ACS WEBINAR WILL BEGIN SHORTLY...

12



Chemical Industry Innovation & Career Opportunities



John Banovetz
Senior VP, Innovation & Stewardship and CTO, 3M



Alexa Dembek
Chief Technology & Sustainability Officer, DuPont



Peter Eckes
President, BASF Bioscience Research



LaTrease Garrison
Executive VP, ACS Education, American Chemical Society

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 multiple internal groups at the American Chemical Society and the Société de Chimie Industrielle.

13

Audience Survey Question

ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT



In five years, I want to have a career in?

- Private sector R&D
- NGO
- Government agency
- University research
- Think tank

14

3M Science.
Applied to Life.™

3M Innovation

ACS
Chemical Industry Innovation
& Career Opportunities

John Banovetz
October 2020



My career at 3M

Senior Vice President, Innovation and Stewardship, and Chief Technology Officer

Managing Director – 3M DACH Region

Vice President – Corporate Research Laboratory

Global Business Director – Industrial Adhesives and Tape

Strategy Manager – Corporate Business Development

Director – Strategy and Business Development





Sales in nearly every country



\$32.1 billion in sales



Four business groups



90,000+ 3Mers globally



115,000+ patents



100+ straight years of dividends



One of 30 companies on the Dow Jones Industrial Index

© 3M 2020. All Rights Reserved.

3M

17

3M State of Science Index

Science matters to 3M. We want to create a better world through science, and we want to inspire others to join us in that effort.

To do so, we need to understand what the world thinks of science—and the role it plays in society—because it could impact the future.

3M's State of Science Index presents original, independent and nationally representative (based on census demographics) research conducted among the general population around the world.



© 3M 2020. All Rights Reserved.

3M State of Science Index

Our annual research shows that appreciation for science and trust in scientists has increased significantly in 2020, compared to past years.

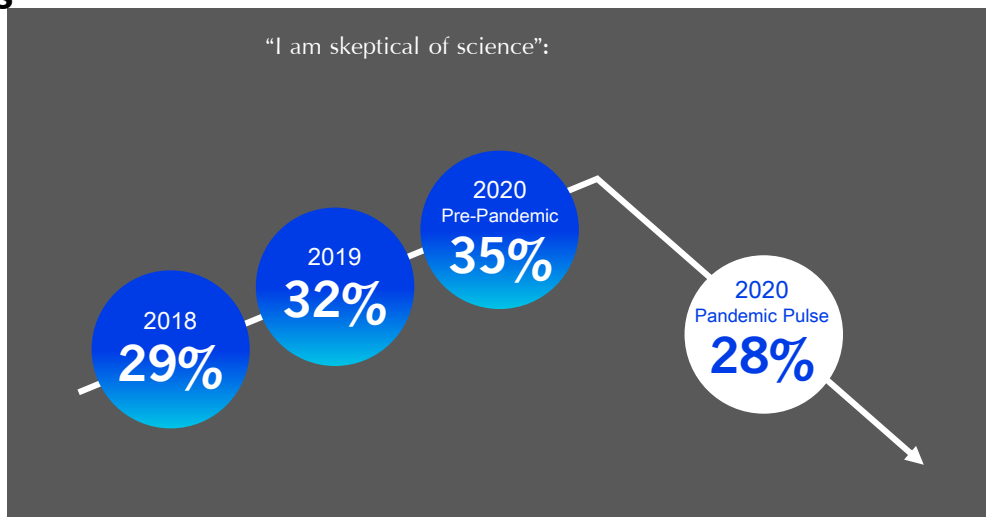


© 3M 2020+ 2020 All Rights Reserved.

3M

19

Science skepticism declined for the first time in three years



© 3M 2020+ 2020 All Rights Reserved.

3M

20

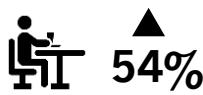
There is an increased understanding of how important science is in our lives:

Science is very important to society in general:



up 11 points from pre-pandemic

Science is very important to my everyday life:



up 10 points from pre-pandemic

But challenges remain:

63%
rarely think about the impact of science in their everyday life

32%
still believe that their lives wouldn't be that different if science didn't exist



Global priorities include healthcare, followed by social justice issues, sustainability and the economy



Pre-pandemic, climate change was the #1 issue people wanted science to solve, aside from healthcare.

Today, both healthcare and climate change issues continue to be top priorities.



3M R&D recruiting

Where do we look?

- Campus recruiting – Aug. through Oct.
 - Typically send teams to 20 universities
 - This year, due to COVID-19, we did all recruiting virtually, which allowed us to recruit from 61 universities
- STEM conferences
- RISE symposium
 - Conference hosted by 3M for female and underrepresented minority STEM students

What do we look for?

- Broad skillsets
- Innovation mindset
- Multi-disciplinary studies
 - Biomedical
 - Data science/programming



3M Science.
Applied to Life.™

Audience Survey Question

ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT



The State of Science Index indicates a growing awareness and appreciation for science in the general public.

Do you think this trend will:

- Continue to trend upward in the future
- Flatten out as we move forward
- Decrease in the future

27

Accelerating Innovation and Sustainability

Chemical Industry Innovation & Career Opportunities
Sponsored by ACS

Dr. Alexa Dembek

Chief Technology and Sustainability Officer



◀ DUPONT ▶

Our purpose: To empower the world with essential innovations to thrive

- › enrich people's lives
- › enable sustainable development
- › foster human potential for generations to come



◀ DUPONT ▶

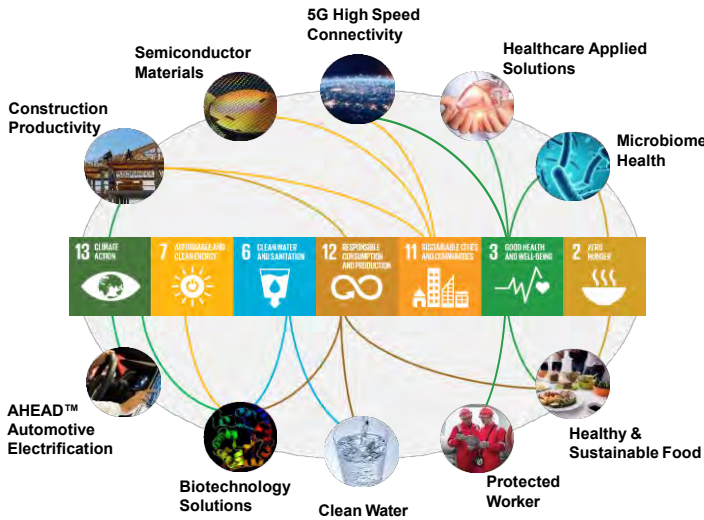
The global challenges are clear, now it's time to act

We powerfully
connect
innovation to
sustainability



◀ DUPONT ▶

Our innovation portfolio tackles SDGs



Strategic Outcomes



Innovating around what matters most to the world



Impacting change at scale with speed



Increasing resiliency across value chains

Our 2030 goals: strategic, ambitious and value creating



innovate now

Create sustainable innovations to help society thrive and address its most pressing challenges



protect now

Operate sustainably by delivering world-class, end-to-end performance in safety, resource efficiency and environmental protection



empower now

Enable the health and well-being of people and communities and advance diversity, equity and inclusion



Our ten-year path to a more sustainable future



innovate now



protect now



empower now

Delivering solutions for global challenges

Align 100% of the DuPont innovation portfolio to meaningfully advance the UN SDGs and create value for our customers



Acting on climate

Reduce Green House Gas (GHGs) emissions 30% including sourcing 60% of electricity from renewable energy

Deliver carbon neutral operations by 2050



Accelerating diversity, equity & inclusion

Become one of the world's most inclusive companies, with diversity well ahead of industry benchmarks



Enabling a circular economy

Integrate circular economy principles into our business models considering lifecycle impacts in the markets we serve



Leading water stewardship

Implement holistic water strategies across all facilities prioritizing manufacturing plants and communities in high-risk watersheds

Enable millions of people access to clean water through leadership in advancing water technology and enacting strategic partnerships



Cultivating well-being & fulfillment

Create a workplace where employees report high levels of well-being and fulfillment



Innovating safer by design

Design 100% of our products and processes using sustainability criteria including the principles of green chemistry



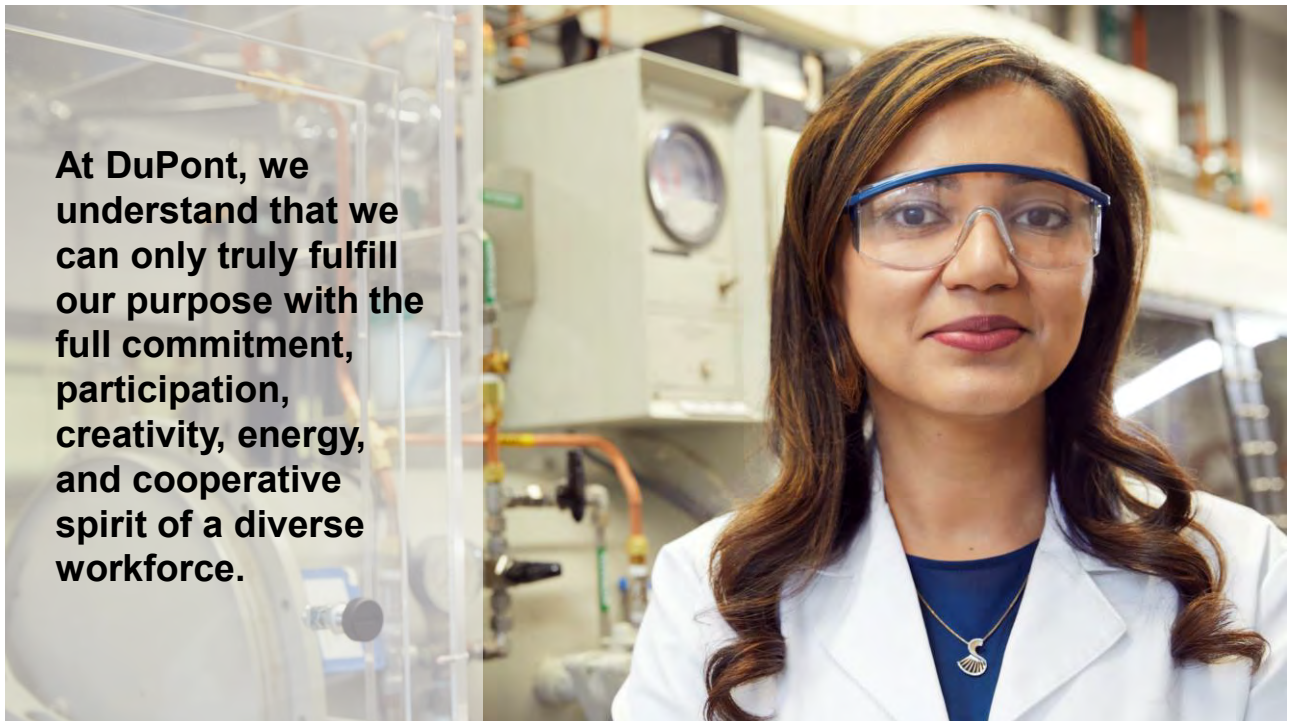
Delivering world-class health & safety

Further our commitment to zero: injuries, occupational illnesses, and incidents



Building thriving communities

Improve over 100 million lives through targeted social impact programs



At DuPont, we understand that we can only truly fulfill our purpose with the full commitment, participation, creativity, energy, and cooperative spirit of a diverse workforce.

Our innovation culture drives empowerment

					
Lead Courageously	Manage Risks	Maintain Strategic Perspective	Seize Opportunities with SPEED	Orient Externally	Demonstrate Curiosity



Many exciting career paths are available



Application Development



Product Research



Process Research



Operations & Engineering





DUPONT™

Audience Survey Question

ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT



How important is contributing to society in your career goals?

- Very important
- Somewhat important
- Neutral
- Somewhat unimportant
- Not at all important

BASF
We create chemistry

Chemistry for a Sustainable Future
Dr. Peter Eckes
President Bioscience Research
ACS Chemical Industry Innovation
& Career Opportunities, October 2020

BASF at a Glance: Key Figures 2019

~118,000

Employees
worldwide

~\$69.7 bn

Sales

\$2.6 bn

R&D budget

~11,000

Employees
worldwide in R&D

\$5.3 billion

EBIT before
special items

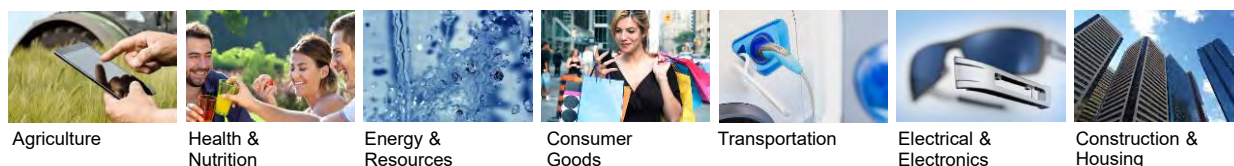
~1000

New patent
families filed

We are the world's largest Chemical Company

BASF
We create chemistry

Chemistry as enabler for sustainable development



Agriculture

Health & Nutrition

Energy & Resources

Consumer Goods

Transportation

Electrical & Electronics

Construction & Housing

Chemistry as enabler to meet current and future needs

The world by 2050

~10 billion people

70% of the world population will live in cities

35% more primary energy consumption

30% more food needed



Our purpose:

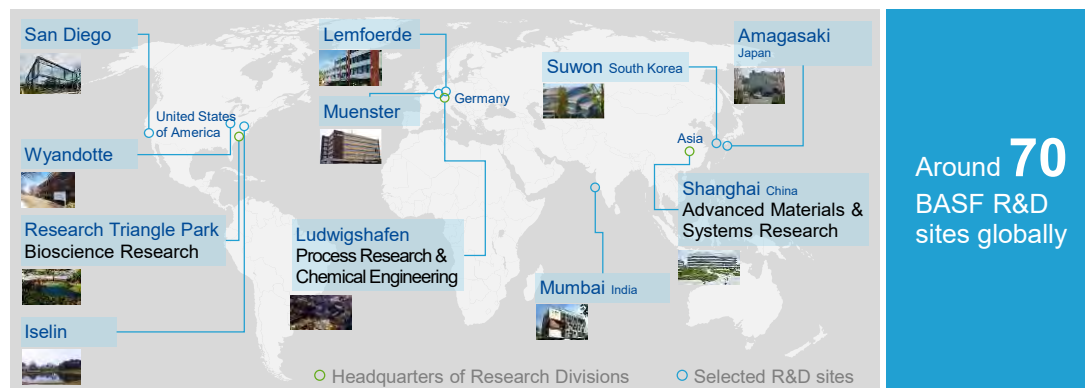
We create chemistry for a sustainable future





Global R&D presence in key markets

BASF R&D sites with proximity to customers and markets



Fascinating opportunities to create sustainable solutions

Approximately 2,500 passionate researchers across North America



47

Key elements of our BASF culture



48



Working today on tomorrow's challenges #belongatBASF

We offer opportunities for different Career levels:



Professionals

Graduates

Students

Pupils

We are consistently recognized for our sustainability, diversity and safety practices :



Go to basf.com/careers to learn more

49



50

Stay connected on LinkedIn and Twitter! #belongatBASF



Peter Eckes · 1st
President, Bioscience Research at BASF



BASF
Chemicals - Ludwigshafen · 1,332,264 followers

We create chemistry for a sustainable future

@petereckes



@basf



51

- BASF

We create chemistry

Audience Survey Question

ANSWER THE QUESTION ON BLUE SCREEN IN ONE MOMENT



What would be the determining factor in deciding where you would work?

- A diverse and inclusive culture
- Access to world-class R&D
- Ability to contribute to sustainability
- Salary & benefits
- Other

53



Chemical Industry Innovation & Career Opportunities



John Banovetz
Senior VP, Innovation &
Stewardship and CTO, 3M



Alexa Dembek
Chief Technology & Sustainability
Officer, DuPont



Peter Eckes
President, BASF
Bioscience Research



LaTrease Garrison
Executive VP, ACS Education,
American Chemical Society

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 multiple internal groups at the American Chemical Society and the Société de Chimie Industrielle.

54

Free ACS Webinars Every Week!

Upcoming Broadcasts



Friday, October 16, 2020 at 2-3pm ET

Speakers: Debbie Decker, University of California, Davis / Ken Kretschman, North Carolina State University / Craig Merlic, University of California, Los Angeles
Moderator: Chuck Geraci, National Institute for Occupational Safety and Health

[Register for Free!](#)

What You Will Learn

- How to manage nanomaterial-containing products as part of an already-existing environmental, health, and safety (EHS) program
- How to create and maintain a strong safety culture in a lab and the benefits of that culture
- Resources that are available to laboratories, manufacturers, and processors to safely handle nanomaterials

Co-produced with: Materials Research Society, National Nanotechnology Initiative, and ACS Chemical Safety Programs



Thursday, October 22, 2020 at 1-2pm ET

Speakers: Kizzmekia Corbett, National Institutes of Health / Raquel Jemison, ACS Scholars & Project SEED
Moderator: Susan Ainsworth, ACS Office of Philanthropy

[Register for Free!](#)

What You Will Learn

- Dr. Corbett's background and career progression
- Her role leading vaccine research at the National Institutes of Health
- An update on the development of a COVID-19 vaccine

Co-produced with: the ACS Office of Philanthropy ACS Project SEED



Wednesday, October 28, 2020 at 2-3pm ET

Speakers: Jim Skinner, Terregena, Inc. and H.N. Cheng, 2020 ACS President-Elect
Moderator: Diane Grob Schmidt, 2015 ACS President

[Register for Free!](#)

What You Will Learn

- Why it is critically important to have detailed Business Plan
- What are the sections of a Business Plan
- What is the goal of the Business Plan

Co-produced with: ACS Industry Member Programs, ACS President-Elect, ACS Board Committee on Corporation Associates, ACS Committee on Technician Affairs, the ACS Division of Small Chemical Businesses, and the ACS Division of Business Development and Management

www.acs.org/acswebinars

55



ACS Webinars®

CLICK • WATCH • LEARN • DISCUSS



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® 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 be broadcast on Fridays from 2-3pm ET!

www.acs.org/acswebinars

56



ACS Webinars® 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® at acswebinars@acs.org

57

Free ACS Webinars Every Week!

Upcoming Broadcasts



Friday, October 16, 2020 at 2-3pm ET

Speakers: Debbie Decker, University of California, Davis / Ken Kretzman, North Carolina State University / Craig Merlic, University of California, Los Angeles
Moderator: Chuck Geraci, National Institute for Occupational Safety and Health

[Register for Free!](#)

What You Will Learn

- How to manage nanomaterial-containing products as part of an already-existing environmental, health, and safety (EHS) program
- How to create and maintain a strong safety culture in a lab and the benefits of that culture
- Resources that are available to laboratories, manufacturers, and processors to safely handle nanomaterials

Co-produced with: Materials Research Society, National Nanotechnology Initiative, and ACS Chemical Safety Programs



Thursday, October 22, 2020 at 1-2pm ET

Speakers: Kizzmekia Corbett, National Institutes of Health / Raquel Jemison, ACS Scholars & Project SEED
Moderator: Susan Alinsworth, ACS Office of Philanthropy

[Register for Free!](#)

What You Will Learn

- Dr. Corbett's background and career progression
- Her role leading vaccine research at the National Institutes of Health
- An update on the development of a COVID-19 vaccine

Co-produced with: the ACS Office of Philanthropy ACS Project SEED



Wednesday, October 28, 2020 at 2-3pm ET

Speakers: Jim Skinner, Terregina, Inc. and H.N. Cheng, 2020 ACS President-Elect
Moderator: Diane Grob Schmidt, 2015 ACS President

[Register for Free!](#)

What You Will Learn

- Why it is critically important to have detailed Business Plan
- What are the sections of a Business Plan
- What is the goal of the Business Plan

Co-produced with: ACS Industry Member Programs, ACS President-Elect, ACS Board Committee on Corporation Associates, ACS Committee on Technician Affairs, the ACS Division of Small Chemical Businesses, and the ACS Division of Business Development and Management

www.acs.org/acswebinars

58