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INDUSTRY MATTERS

#ACSIndustryMatters

Information, insights, and advice for ACS industry members

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February 18, 2021

Mark Noe, Pfizer's Vice President of Discovery Sciences, has had a ringside seat as Pfizer, and its partner, BioNTech, developed and rolled-out their COVID-19 vaccine. Mark takes us behind the scenes to help us better understand how this came to be, and shares his thoughts on how this type of collaboration may influence future drug discovery.

Equally intriguing is the story told by Christina Boville, Co-Founder and CEO of Aralez Bio. The company uses engineered enzymes to make valuable chemical products and to expand the scope of products that can be produced bio-renewably. Christina, whose post-doctoral fellowship advisor at Caltech was Frances Arnold, has interesting things to say about the technology, and about the business challenges and opportunities facing the company.

Dow's Souvagya Biswas, an associate research scientist, is the focus of our Early Career Chemist profile this week. Souvagya shares his journey from India to Midland, MI, and the trigger for his interest in a career in industry.

Wrapping things up, Marciano Bagnoli, an ACS Career Consultant, has some advice on setting personal boundaries at work.

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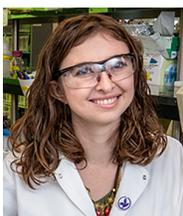
ACS BOSS TALK



Mark Noe
Vice President, Pfizer

Mark Noe, Pfizer's Vice President of Discovery Sciences, has had a ringside seat as Pfizer, and its partner, BioNTech, developed and rolled-out their COVID-19 vaccine. Mark takes us behind the scenes to help us better understand how the vaccine came to be. [Go to Article](#)

INNOVATION ZONE



Christina Boville
Co-Founder & CEO, Aralez Bio

Christina Boville, Co-Founder and CEO of Aralez Bio explains how the company uses engineered enzymes to make valuable chemical products and to expand the scope of products that can be produced bio-renewably. [Go to Article](#)

CAREER PERSPECTIVES

Marciano Bagnoli, an ACS Career Consultant, shares his advice on setting personal boundaries at work. [Go to Article](#)

EARLY CAREER CHEMIST



Souvagya Biswas
Associate Research Scientist, Dow

Souvagya Biswas, an associate research scientist working for Dow, shares his journey from India to Midland, MI, and his work in an academic-industry collaboration with UCSB. [Go to Article](#)

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MORE FROM ACS

[ACS Industry Matters Celebrates Black History Month](#)

ACS Industry Matters Celebrates Black History Month

The American Chemical Society celebrates Black History Month with a special collection of interviews from ACS Industry Matters highlighting successful Black Americans in the chemical and pharmaceutical industries. Read career perspectives and advice from executives Carlonda R. Reilly of Kennametal and Karen Carter of Dow, and early career chemists, Eugenia Narh Baawuo, James Walker and Brandon Presley, and more. We hope you enjoy this sampling of articles - [read the issue](#).

Webinar - The U.S. Chemical Supply Chain: Pandemic Impacts

Throughout the COVID-19 pandemic, the chemical industry in the United States has continued operating; however, the pandemic has exposed concerns about the industry's supply chain. With increased demand for certain chemical products, such as the materials required for the production of hand sanitizers, the United States has experienced inflexibility in altering or increasing production. This panel below will explore real life experiences, systemic concerns, and possible policy responses.

Moderator

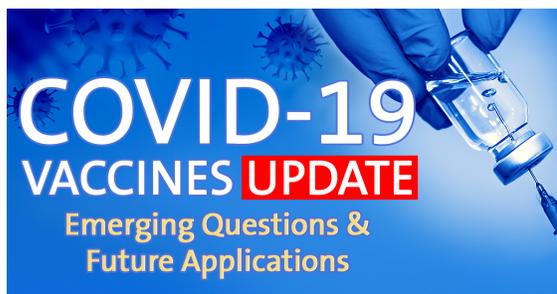
- Mr. Robert McArver, Head of Government Affairs, North America, Covestro LLC

Speakers

- Dr. Thomas Kevin Swift, CBE, Chief Economist and Managing Director, American Chemistry Council
- Mr. Michael Levy, M.Sc., M.B.A., Senior Vice President, Digital and Innovation, The U.S. Pharmacopeia
- Dr. Paul Bowman, Director of Supply Chain Planning and Improvement, Covestro LLC

[Register to attend the webinar.](#)

Upcoming from ACS Webinars



Wednesday, 2/24, join Dr. Shane Crotty of the La Jolla Institute for Immunology and Dr. Yizhou Dong of The Ohio State University's College of Pharmacy as they offer their insights on the progress of COVID-19 vaccine research including the potential for future applications to other diseases and therapeutics. This ACS Webinar is moderated by Angela Zhou of CAS and is co-produced with CAS. [Register for free!](#)

Thursday, 2/25, join Brian Lanman of Amgen as he outlines the strategies and challenges associated with treating KRAS-mutant cancer, including an overview of the identification of sotorasib, the first direct KRAS G12C therapeutic to enter human clinical testing. This ACS Webinar is moderated by Ariamala Gopalsamy of AstraZeneca and co-produced

Pfizer's Mark Noe on Covid-19 Vaccine • Aralez Bio's Christina Boville and the Promise of Enzyme Engineering with the ACS Division of Medicinal Chemistry, American Association of Pharmaceutical Scientists, and ACS Publications. [Register for free!](#)

Did you miss a webinar or want to view one again? ACS members have exclusive access to our expansive library of recordings. Visit the [webinar archives](#) to catch up on the latest recordings.

ACS Science Talks Virtual Lectures

ACS Science Talk Virtual Lecture Series

February 19th | 6:30-7:30 PM IST

Multimetallic Nanocrystals by Design

Speaker: [Sara E. Skrabalak](#)

James H. Rudy Professor, Professor of Chemistry & Intelligent Systems Engineering, Indiana University, Bloomington, USA

Editor-in-Chief: Chemistry of Materials and ACS Materials Letters

ACS Fellows Nominations Open through April 1



Recognize an ACS member's outstanding contributions to science and the profession, as well as their exemplary service to ACS by nominating them to be an ACS Fellow! The ACS Fellows Program recognizes members of the ACS for excellence and leadership in both of two areas: (1) science, the profession, education, and/or management, and (2) volunteer service in the ACS community. National Committees, Local Sections, Divisions, International Chemical Sciences Chapters, and individual members may all submit nominations for ACS Fellows online. Visit the ACS Fellows page on acs.org for complete nomination details, and please e-mail any questions to fellows@acs.org. Nominations for ACS Fellows close April 1 – [nominate today!](#)

Meet Live with Esteemed Instructors from the Comfort of Your Home with Online Live

Register for [Statistical Analysis of Laboratory Data](#) and learn to master the fundamentals of laboratory data treatment to solve data analysis problems. Through a combination of lectures and problem-solving sessions, this course will teach statistical techniques that can be put to immediate use in the workplace. [Learn more.](#)

Gain insight into the transformative power of chemistry. For non-chemists and chemists in

need of review, [Chemistry for Non-Chemists](#) explores the essential, overarching themes of chemistry through the use of modern contextual examples. [Register today](#).

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