

The National Academies of **SCIENCES • ENGINEERING • MEDICINE**

MEETING OF THE BOARD ON CHEMICAL SCIENCES AND TECHNOLOGY

Virtual Meeting

Wednesday, March 3, 2021
OPEN SESSION

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| 11:00 AM | Welcome and Meeting Overview | <i>Jennifer Sinclair</i>
Curtis, University of California, Davis
<i>Scott Collick</i> , DuPont |
| 11:15 AM | BCST Program Update
Introduction of BCST Staff -
<i>Dr. Liana Vaccari</i> , Program Officer
<i>Dr. Megan Harries</i> , Program Officer
<i>Ania Zolyniak</i> , Program Assistant
Status of Ongoing Projects and Activities
Program Development Updates
Communications – <i>Elise Zaidi</i> , Communications Associate | <i>Jeremy Mathis</i> , BCST
Board Director |
| 11:45 AM | Chemical Sciences Roundtable Update
2020 Past Webinars and Upcoming 2021 Webinars and Workshops | <i>Ellen Mantus</i> , BCST
Scholar
<i>Jessica Wolfman</i> ,
BCST Research
Associate |
| 12:00 PM | <i>Break</i> | |
| 12:10 PM | Panel Discussion: Diversity, Equity, Inclusion, Justice, and Belonging in Chemistry and Chemical Engineering | <i>Sarah Harper</i> , BCST
Senior Program
Assistant |
| 12:15 PM | Panel Discussion:
<i>Dr. Christine Grant</i> , President-elect of the American Institute of Chemical Engineers and a Professor of Chemical and Biomolecular Engineering at North Carolina State University | |
| 12:45 PM | Questions | |
| 1:00 PM | Panel Discussion:
<i>Dr. Hoby Wedler</i> , Chemist and Entrepreneur | |
| 1:30 PM | Questions | |

1:45 PM Board Discussion: Board Discussion on Actions in the DEIBJ
Space for the BCST
Saly Romero-Torres, Senior Director of Digital Quality
Systems at Thermo Fisher Scientific
Ruben Carbonell, Professor of Chemical and Biomolecular
Engineering at North Carolina State University

2:30 PM **Public Attendee Questions and Comments**

*Jennifer Sinclair
Curtis*, University of
California, Davis
Scott Collick,
DuPont

3:00 PM *Break*

3:10 PM **Agency Updates**

DOE: *Bruce Garrett and Raul Miranda*
NSF CHE: *David Berkowitz* NSF CBET: *Richard Dickenson*
and *Timothy Patten*
NIST: *Stephanie Hooker*

*Jennifer Sinclair
Curtis*, University of
California, Davis
Scott Collick, DuPont

4:30 PM Adjourn Meeting

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MEETING OF THE BOARD ON CHEMICAL SCIENCES AND TECHNOLOGY
Virtual Meeting

Thursday, March 4, 2021
OPEN SESSION

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| 10:00 AM | Welcome and Meeting Overview | <i>Jeremy Mathis</i> , BCST
Board Director |
| 10:05 AM | Panel Discussion: Identifying and Accounting for Vulnerabilities in U.S. Chemical Weapons Detection, Identification, and Tracing Capabilities | <i>Ania Zolyniak</i> , BCST
Program Assistant |
| 10:10 AM | Panel Discussion:
<i>Dr. Audrey M. Williams</i> , Director, Forensic Science Center,
Lawrence Livermore National Laboratory (LLNL) | |
| 10:40 AM | Questions | |
| 10:55 AM | Panel Discussion:
<i>Dr. Carlos G. Fraga</i> , Senior Research Scientist, Chemical and
Biological Signatures Group, Pacific Northwest National
Laboratory (PNNL) | |
| 11:25 AM | Questions | |
| 11:45AM | Board Discussion: Board Discussion on Chemical Weapons
and the Future of Research in the Field
<i>Dr. John Fortner</i> , Associate Professor of Chemical and
Environmental Engineering at the Yale School of Engineering
and Applied Science | |
| 12:45 PM | Public Attendee Questions and Comments | <i>Jennifer Sinclair</i>
<i>Curtis</i> , University of
California, Davis
<i>Scott Collick</i> ,
DuPont |
| 1:15 PM | <i>Break</i> | |

1:45 PM	Panel Discussion: Revisioning Undergraduate Chemistry Curriculums	<i>Ben Ulrich</i> , BCST Senior Program Assistant
1:50 PM	Panel Discussion: <i>Dr. Anne Baranger</i> , Associate Dean for Diversity, Equity, and Inclusion, the University of California, Berkeley	
2:10 PM	Questions	
2:20 PM	Panel Discussion: <i>Dr. Nicholas Kingsley</i> , Associate Professor of Inorganic Chemistry, the University of Michigan, Flint	
2:40 PM	Questions	
2:50 PM	Panel Discussion: <i>Dr. Tracy McGill</i> , Professor of Pedagogy, Emory University	
3:10 PM	Questions	
3:20 PM	Board Discussion: Board Discussion on the Current State and Future of Undergraduate Chemistry Curriculums <i>Dr. Richmond Sarpong</i> , Professor of Chemistry, the University of California, Berkeley <i>Dr. Samuel H. Gellman</i> , Professor of Chemistry, the University of Wisconsin, Madison	
4:20 PM	Public Attendee Questions and Comments	<i>Richmond Sarpong</i> , University of California, Berkeley <i>Samuel H. Gellman</i> , the University of Wisconsin, Madison
4:35 PM	<i>Adjourn</i>	

