

Scientific Program
October 25 – 27, 2021
All times listed will be EASTERN Standard Time

The Opening Reception will be held on Sunday, October 24, 2021, from 6:30 - 8:30 pm in the Exhibit Hall.

Monday, October 25, 2021

7:00 - 5:00 pm	Registration
7:00 - 8:00 am	Continental Breakfast in Foyer
9:00 - 4:00 pm	Vendor Exhibits
8:00 - 8:15 am	Welcome and ABSA International President's Address Master of Ceremonies Melissa A. Mørland, MS, MBA, RBP(ABSA), CBSP(ABSA), SM(NRCM), University of Maryland—Baltimore, Baltimore, MD
8:15 - 8:20 am	Local Arrangements Committee Welcome Scott Alderman, MS, CBSP(ABSA), Duke University, Durham, NC
8:20 - 8:25 am	Scientific Program Committee Welcome Claudia Gentry-Weeks, PhD, CBSP(ABSA), Colorado State University, Fort Collins, CO

Session I

Invited Speaker

Introduction: Cristine Lawson, PhD, RBP(ABSA), U.S. Department of Defense, Fort Detrick, MD

Moderator: George Wudiri, PhD, Sandia National Laboratories, Albuquerque, NM

8:25 - 9:10 am	Virology in the Time of a Pandemic Dirk P. Dittmer, PhD, University of North Carolina—Chapel Hill, Chapel Hill, NC
9:00 - 9:25 am	Session I Q&A Session
9:25 - 10:00 am	Exhibits, Posters, and Coffee Break

Session II

Response to COVID-19

Moderators: Darlene Ward, RBP(ABSA), Biosafety Consultant, Boca Raton, FL

James Baugh, PhD, RBP(ABSA), CBSP(ABSA), University of California—Davis, Davis, CA
Short Term Use Biocontainment Bubbles—Innovative Source Containment of Potentially Infectious SARS-CoV-2 Aerosols

10:00 - 10:15 am	Benjamin Fontes, MS, CBSP(ABSA), Yale University, New Haven, CT
10:15 - 10:30 am	Pandemic Response Team (PRT)—A Systematic Approach to Ensure Business Continuity Amid Major Disaster
10:30 - 10:45 am	Hsiang-Ming Wang, PhD, MBA, CBSP(ABSA), Texas Biomedical Research Institute, San Antonio, TX Modeling the Stability of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-COV-2) on Skin, Clothing, Currency, Produce, and Personal Protective Equipment (PPE) Across Different Temperatures
10:45 - 11:00 am	David Harbourt, PhD, RBP(ABSA), CBSP(ABSA), Food and Drug Administration, Laurel, MD Lessons Learned from Biosafety with COVID-19 Vaccines
11:00 - 11:30 pm	Chris Jenkins, MPH, PhD, RBP(ABSA), Clinical Biosafety Services, Wildwood, MO Session II Q&A Session
11:30 - 1:00 pm	Exhibits, Posters, and Lunch

Session III

Poster Session

12:00 - 1:00 pm *Presenters must be available during the session.*

Session IV

Arnold G. Wedum Memorial Lecture Award

Introduction: Jessica McCormick-Ell, PhD, RBP(ABSA), CBSP(ABSA), SM(NRCM), National Institutes of Health, Bethesda, MD

1:00 - 1:45 pm	Moderator: Larry Mendoza, RBP(ABSA), Virginia Commonwealth University, Richmond, VA The COVID Pandemic: The Evolving Reality
1:45 - 2:00 pm	Michael T. Osterholm, PhD, MPH, CIDRAP, University of Minnesota, Minneapolis, MN Session IV Q&A Session
Session V	Inactivation and Decontamination
2:00 - 2:15 pm	Moderators: Michael Chute, RBP(ABSA), U.S. Department of Defense, Fort Detrick, MD Matthew Anderson, PhD, RBP(ABSA), CBSP(ABSA), University of Nebraska—Lincoln, Lincoln, NE Validation of Poliovirus Inactivation by Nucleic Acid Extraction Buffers
2:15 - 2:30 pm	Michelle Honeywood, PhD, Centers for Disease Control and Prevention, Atlanta, GA Trials and Tribulations: The Commissioning and Validation of a Chemical Effluent Decontamination System using <i>Bacillus Atrophaeus</i> Spore Strips
2:30 - 2:45 pm	Rachel Gamble, DrPh, CBSP(ABSA), Merrick & Company, Washington, DC Mechanisms of Sporicidal Activity Induced by Ionized Hydrogen Peroxide in the Inactivation of Spores of <i>Bacillus Atrophaeus</i> and <i>Geobacillus Stearothermophilus</i>
2:45 - 3:00 pm	Miguel Grimaldo, MEng, DSc, University of Texas Medical Branch—Galveston, Galveston, TX Compatibility of Materials with Decontaminating and Disinfecting Agents
3:00 - 3:30 pm	Lauren Richardson, DVM, MPH, DACVPM, Merrick & Company, Washington, DC Session IV Q&A Session
3:30 - 4:00 pm	Exhibits, Posters, and Coffee Break
Session VI	Business Continuity Roundtable
4:00 - 5:00 pm	Moderators: AJ Troiano, PhD, RBP(ABSA), Safer Behaviors, Boston, MA Daniel Eisenman, PhD, RBP(ABSA), CBSP(ABSA), SM(NRCM), Advarra, Research Triangle Park, NC James Riddle, MCSE, CIP, CPIA, CRQM, Advarra, Columbia, MD Dennis Nolan, MPH, RBP(ABSA), CBSP(ABSA), Baylor University, Waco, TX Sylvie Blondelle, PhD, RBP(ABSA), Sanford Burnham Prebys Medical Discovery Institute, La Jolla, CA PHL representative
5:00 - Close	Members' Business Meeting <i>Door prizes will be awarded—must be present to win.</i>

Tuesday, October 26, 2021

7:00 - 5:00 pm	Registration
7:00 - 8:00 am	Continental Breakfast in Foyer
9:00 - 4:00 pm	Vendor Exhibits
8:00 - 8:05 am	Welcome Master of Ceremonies LouAnn Burnett, MS, CBSP(ABSA), Sandia National Laboratories, Albuquerque, NM
Session VII	Griffin Lecture Award
8:05 - 8:50 am	Introduction: Erin Sorrell, PhD, Elizabeth R. Griffin Program, Georgetown University Medical Center, Washington, DC Moderator: Francine Rogers, ALM, MS, RBP(ABSA), CBSP(ABSA), SM(NRCM), Massachusetts Ear and Eye, Boston, MA Title TBD Gigi Kwik Gronvall, PhD, Johns Hopkins Center for Health Security, John Hopkins Bloomberg School of Public Health, Baltimore, MD
8:50 - 9:05 am	Session VII Q&A Session
Session VIII	Innovations in Laboratory Practices
	Moderators: George Wudiri, PhD, Sandia National Laboratories, Albuquerque, NM Darlene Ward, RBP(ABSA), Biosafety Consultant, Boca Raton, FL

9:05 - 9:20 am	BSC Mythbusters: Appropriate Placement of a Particle Counter Probe in a Class II BSC Kara Held, PhD, Baker, Sanford, ME
9:20 - 9:35 am	Lessons Learned from the Attempt to Develop a Respirator During a Pandemic Jason Keaton, MS, RBP(ABSA), CBSP(ABSA), CSP, Shield Consulting, Milwaukee, WI
9:35 - 9:50 am	Challenges and Lessons Learned from the COVID-19 Pandemic Peili Zhu, PhD, RBP(ABSA), University of California—San Francisco, San Francisco, CA
9:50 - 10:05 am	Session VIII Q&A Session
10:05 - 10:35 am	Exhibits, Posters, and Coffee Break
Session IX	Eagleson Lecture Award Introduction: Mary Ann Sondrini, Eagleson Institute, Sanford, ME Moderator: Kalpana Rengarajan, MPH, PhD, JM, RBP(ABSA), Emory University, Atlanta, GA
10:35 - 11:20 am	Update on COVID-19 Vaccines Nadine Rouphael, MD, Emory University School of Medicine, Atlanta, GA
11:20 - 11:35 am	Session IX Q&A Session
11:35 - 1:05 pm	Exhibits, Posters, and Lunch
Session X	Poster Session <i>Presenters must be available during the session.</i>
12:05 - 1:05 pm	
Session XI	Biorisk Program Management Moderators: Julianne Baron, PhD, RBP(ABSA), CPH, Science and Safety Consulting, LLC, McMurray, PA Michael McCarthy, RBP(ABSA), CHMM, Vertex Pharmaceuticals, Cambridge, MA
1:05 - 1:20 pm	Achieving Laboratory Biosafety Standards in a Resource Limited Setting in the Face of COVID-19 Pandemic: The Nigeria Center for Disease Control National Reference Laboratory (NRL) Experience Olubunmi Ruth Ngedu-Momoh, PhD, Nigeria Center for Disease Control, Public Health England International Health Regulations (IHR) Strengthening Program, Abuja, Nigeria
1:20 - 1:35 pm	The Role of the Libyan Training Program in Biorisk Communication Adel Mohamed, PhD, The Libyan Universities Biosafety Network, Al-Baida, Libyan Arab Jamahiriya
1:35 - 1:50 pm	Biological Toxins: Surveying the Institutional Wild West Antony Schwartz, PhD, CBSP(ABSA), SM(NRCM), Duke University Duke University Health System, Durham, NC
1:50 - 2:05 pm	Session XI Q&A Session
2:05 - 2:35 pm	Exhibits and Posters
Session XII	High Containment Moderators: Maya Nair, RBP(ABSA), University of North Texas Health Science Center, Fort Worth, TX Sunny Hoffman, RBP(ABSA), Clinical Biosafety Services, Columbia, MO
2:35 - 2:50 pm	In Vivo PET/CT Imaging in an ABSL-3 Non-Human Primate (NHP) Facility Beata Clapp, PhD, Texas Biomedical Research Institute, San Antonio, TX
2:50 - 3:05 pm	Facility Upgrades to a High-Containment Laboratory—Risk Mitigation and Engineering Controls Fahim Manzur, MS, Plum Island Animal Disease Center, Orient Point, NY
3:05 - 3:20 pm	Maintaining and Rapidly Expanding High Containment Operations During a Pandemic John Henneman, MS, RBP(ABSA), Kansas State University, Manhattan, KS
3:20 - 3:35 pm	Session XII Q&A Session
Session XIII	Gene Therapy and GMOs Moderators: Peili Zhu, PhD, RBP(ABSA), University of California—San Francisco, San Francisco, CA Michael McCarthy, RBP(ABSA), CHMM, Vertex Pharmaceuticals, Cambridge, MA
3:35 - 3:55 pm	The Current Gene Therapy Research Boom and Future Challenges Daniel Eisenman, PhD, RBP(ABSA), CBSP(ABSA), SM(NRCM), Advarra, Research Triangle Park, NC
3:55 - 4:15 pm	Recombinant Technologies with Vaccine Production Justin Roth, PhD, RBP(ABSA), University of Alabama—Birmingham, Birmingham, AL

4:15 - 4:35 pm Session XIII Q&A Session

6:00 - 10:00 pm **Banquet at the North Carolina Museum of Natural Sciences**

Wednesday, October 27, 2021

7:00 - 4:00 pm Registration

7:00 - 8:00 am Continental Breakfast in Foyer

8:00 - 8:05 am Welcome
Master of Ceremonies
President-Elect

Session XIV

Regulations and Emerging Topics

Moderators: Francine Rogers, ALM, MS, RBP(ABSA), CBSP(ABSA), SM(NRCM), Massachusetts Ear and Eye, Boston, MA

Sunny Hoffman, RBP(ABSA), Clinical Biosafety Services, Columbia, MO

8:05 - 8:25 am What's New from the NIH Office of Science Policy

Kathryn Harris, PhD, RBP(ABSA), National Institutes of Health, Bethesda, MD

8:25 - 8:45 am Intersection of Infection Control and Biosafety

Patrick Conley, CBSP(ABSA), Clinical Biosafety Services, Keller, TX

8:45 - 9:05 am Session XIV Q&A Session

Session XV

Poliovirus Containment Roundtable

Moderators: Claudia Gentry-Weeks, PhD, CBSP(ABSA), Colorado State University, Fort Collins, CO

Cristine Lawson, PhD, RBP(ABSA), U.S. Department of Defense, Fort Detrick, MD

9:05 - 10:35 am Panelists:

Status of the Revision of the World Health Organization Global Action Plan III for Poliovirus Containment

Liliane Boualam, MPH, World Health Organization, Geneva, Switzerland

Preparation for Poliovirus Containment in the United States: A National Inventory for Poliovirus Infectious and Potentially Infectious Materials, 2002-2021

Cecelia Sanders, MPA, Centers for Disease Control and Prevention, Atlanta, GA

Improving Risk-based Decision Making for Poliovirus Containment

LouAnn Burnett, MS, CBSP(ABSA), Sandia National Laboratories, Albuquerque, NM

Global Action Plan III (GAPIII) Exit Shower vs Enhanced Personal Protective Equipment: An Evidence-based Risk Model to Help Prevent a Facility-associated Release of Poliovirus

Ryan Ritterson, PhD, Gryphon Scientific, Takoma Park, MD

10:35 - 10:55 am Coffee Break

Session XVI

Richard Knudsen Award

Moderator: Cristine Lawson, PhD, RBP(ABSA), U.S. Department of Defense, Fort Detrick, MD

10:55 - 11:25 am TBD

11:30 - 1:00 pm

Honor Awards and Special Recognition Luncheon

Presenter: Melissa A. Mørland, MS, MBA, RBP(ABSA), CBSP(ABSA), SM(NRCM), University of Maryland—Baltimore, Baltimore, MD

Arnold G. Wedum Distinguished Achievement Award

Everett J. Hanel, Jr. Presidential Award

John H. Richardson Special Recognition Award

Diane Fleming Leadership Award

Scientific and Informational Poster Awards

Hashimoto Award for Service and Honor

Richard Rebar Memorial Credentialing Ceremony

Presenter: Paul Meechan, PhD, MPH, RBP(ABSA), CBSP(ABSA), Cantonsville, MD

Session XVII

Behavior and Biosafety

1:00 - 1:15 pm	Moderators: Kalpana Rengarajan, MPH, PhD, JM, RBP(ABSA), Emory University, Atlanta, GA Julianne Baron, PhD, RBP(ABSA), CPH, Science and Safety Consulting, LLC, McMurray, PA Behavioral Biosafety
1:15 - 1:30 pm	David Bryant, MHL, Animal & Plant Health Agency (APHA), Addlestone, United Kingdom Biosafety Climate (BSCL) in Biological and Biomedical Laboratories at Public Universities in the USA Sivarchana Mareedu, PhD (candidate), University of Louisville, Louisville, KY
1:30 - 1:45 pm	Are You Using Your Safety Eyes? Dan Scungio, BSMT, MT(ASCP), CQA(ASQ), Dan the Lab safety Man, Inc., Williamsburg, VA
1:45 - 2:00 pm	Session XVII Q&A Session
Session XVIII	Biosafety Culture Roundtable Moderator: James Baugh, PhD, RBP(ABSA), CBSP(ABSA), University of California—Davis, Davis, CA AJ Troiano, PhD, RBP(ABSA), Safer Behaviors, Boston, MA
2:00 - 3:00 pm	Caren Wenner, PhD, Sandia National Laboratories, Albuquerque, NM Jessica Martin, PhD, University of Connecticut, Storrs, CT Shane Gillooly, MS, RBP(ABSA), CBSP(ABSA), Advarra, Coral Gables, FL
3:00 - 3:15 pm	Coffee Break
Session XIX	Agriculture and Animal Biosafety Moderators: Matthew Anderson, PhD, RBP(ABSA), CBSP(ABSA), University of Nebraska—Lincoln, Lincoln, NE Larry Mendoza, RBP(ABSA), Virginia Commonwealth University, Richmond, VA
3:15 - 3:30 pm	SARS-CoV-2 and Its Impact on Agriculture David Suarez, DVM, PhD, USDA Southeast Poultry Research Lab, Athens, GA
3:30 - 3:45 pm	Plant Biosafety and Risk Assessment Deborah Howard, MPH, CBSP(ABSA), BASF, Research Triangle Park, NC
3:45 - 4:00 pm	TBD
4:00 - 4:15 pm	Session XIX Q&A Session
4:15 pm	Close of Conference President-Elect

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www.absaconference.org
