

Title: Pathogens of the Future

Date, Time, Location: March 14, 2024, 10:00am – 11:50am, Crowne Plaza Ravinia, Atlanta, GA

Description: This presentation will identify specific high-risk pathogens, both novel and well-known, that have the potential of emerging to cause disease within the populations of the world. Pathogens covered will include vector-borne viruses, arthropod-viruses, hemorrhagic fever viruses, poxviruses, bacterial pathogens, and respiratory diseases. Attendees will examine recent case investigations, including the discovery of *Burkholderia pseudomallei* in the US Gulf Coast region. Attendees will also learn about the preparedness actions and the challenges associated with identifying and testing for potentially emerging pathogens.

Instruction Level and Target Audience: This intermediate level presentation is intended for Biosafety and Public Health Professionals.

Learning Objectives: At the end of the session participants will be able to

1. Identify the increasing risk of potentially emerging pathogens and their ability to cause disease within the US and world-wide populations.
2. Recognize the strategies and resources assembled to detect outbreaks caused by specific potentially emerging agents.
3. Examine the challenges associated with monitoring and testing for potentially emerging agents.

Agenda

Time	Topic	Presenter(s)
10:00 a.m.	Introduction	Meechan
10:05 a.m.	Bacterial Special Pathogens	Weiner
10:20 a.m.	Pox and Rabies Viruses	Hutson
10:35 a.m.	Arboviral Diseases	Powers
10:50 a.m.	Viral Special Pathogens	Harcourt
11:05 a.m.	Influenza Viruses	Davis
11:20 a.m.	Integration	All Presenters
11:35 a.m.	Q&A	All Presenters
11:50 a.m.	Adjourn	

Presenters:

CDR Brian Harcourt, PhD, Viral Special Pathogens Branch, CDC

Zachary Weiner, PhD, Bacterial Special Pathogens Branch, CDC

Christina Hutson, PhD, Poxvirus and Rabies Branch, CDC

Ann M Powers, PhD, Arboviral Diseases, CDC

C. Todd Davis, MSPH, PhD, National Center for Immunization and Respiratory Diseases, CDC

Facilitator:

Paul J. Meechan, PhD, MPH, RBP(ABSA), CBSP(ABSA)

Continuing Education

The Centers for Disease Control and Prevention, Division of Laboratory Systems is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® Program. This course is approved for 1.5 contact hours of P.A.C.E.® credit.

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