11. Enhancing Biosafety Training with Generative AI: Multimedia Tools, Workflows, and Best Practices

A distance learning opportunity

September 2, 2026

12:00 – 2:00 PM (CDT)

Instructors:

Alisha Diego Klatt, MEd, University of California—Los Angeles, Los Angeles, California

Imke Schroeder, PhD, University of California—Los Angeles, Los Angeles, California

🔍 Overview

Enhancing Biosafety Training with Generative AI: Multimedia Tools, Workflows, and Best Practices is a practical, application-focused course designed for biosafety and biosecurity professionals who develop or deliver training and want to incorporate generative AI to make their materials clearer, faster to build, and more engaging. This session goes beyond introductory AI concepts to show exactly how image, audio, and video generation tools can support the creation of effective biosafety training modules. Attendees will explore free and low-cost AI tools capable of generating lab-specific visuals, infographics, audio, and short instructional video clips. Instructors will compare the strengths of tools such as Copilot, ChatGPT, Gemini, and other emerging options, and demonstrate how each can be applied to biosafety training.

Using practical examples, instructors will show how AI can streamline training development by drafting scripts, generating custom images to replace stock photos, creating accessible audio narration, and producing simple videos that reinforce learning objectives. They will also highlight how to avoid common pitfalls, including factual inaccuracies and inappropriate depictions of lab procedures. The webinar will help attendees evaluate which training components can be automated and which require human expertise, ensuring responsible, safe integration of AI into biosafety education. Attendees will receive a prompt bank and opportunities to practice what they've learned. This session is led by safety training specialists with extensive experience translating technical content into engaging training materials for diverse laboratory audiences.

🗝 Objectives

- Identify AI tools for creating images, audio, and video for biosafety training
- Apply effective prompts and workflows to generate accurate, training-ready media assets
- Determine which components of biosafety training can be responsibly automated using AI

📊 Audience Level: Basic/Intermediate

✅ Suggested Background: None

🎯 Who Should Attend: Biosafety and Biosecurity professionals in government, industry, academic and other institutions/organizations

📝 Course Logistics: Course is one 2-hour session. Attendees will need to log on 15 minutes prior to the start time. To receive credit and a certificate, attendees must attend the session and complete or access all course modules. The course materials are for **registered participants only**.

🏷 Course Fees: ***ABSA Member:** $175 **Non-Members:** $265

* To receive the ABSA member rate, participants must be current ABSA members during the training year. Fees include course handouts, access to the ABSA International training site, and 2 hours of expert-led interactive instruction.

📜 Credits: This course has been approved for **0.25 CM points** toward RBP/CBSP recertification. *ABSA International is approved as a provider of continuing education programs in clinical laboratory sciences by the ASCLS P.A.C.E.® Program. This course is approved for **2.0 P.A.C.E.® contact hours**. Course access links are unique and for individual use only. ***Sharing is prohibited***. Duplicate logins or unregistered attendees will be removed from the webinar without a refund.

❓ Questions: Contact: Kari DeServi, MEd, Director of Education, ABSA Office, 866.425.1385 (toll free)
Email: education@absa.org

📋 Register: **By phone:** (866) 425-1385 or **Online**: www.absa.org

Confirmed, paid participants will be sent detailed information regarding the course within a few days prior to the course. Substitutions allowed with notice by 8/5/2026. There is a 15% processing fee for cancellations prior to 8/12/2026. No refunds after 8/12/2026.