

GHS2026 Conference Workshops

Day One - Tuesday 9 2026, 1:45pm-3:45pm

Room 302

Safeguarding Innovation: An Introduction to Research Security Best Practices for Emerging Technologies

Aim:

The session will feature short presentations, group discussions, and scenario-based exercises that challenge participants to identify vulnerabilities, assess risks, and apply governance frameworks to real-world examples. While attendees will gain foundational knowledge and actionable strategies, this workshop emphasizes that continued engagement and capacity-building are essential to mitigating risks and promoting a culture of responsibility.

By the end of the session, participants will understand core research security principles and leave with tools to start improving safeguards within their institutions, recognizing this as the first step toward ongoing improvement in global health security. The workshop aligns with GHS Conference themes of emerging challenges, converging risks, and multisectoral collaboration, offering practical strategies for building resilience in the research ecosystem.

Objectives:

- Introduce foundational concepts of research security and their relevance to advanced biotechnologies.
- Explore the risks and governance challenges associated with emerging technologies such as gene editing, synthetic biology, and AI-enabled bioscience.
- Equip participants with scenario-based exercises and tools to identify vulnerabilities and outline next steps for mitigation.

Target audience:

Policymakers, research administrators, biosafety and biosecurity professionals, academic researchers, and other stakeholders seeking practical guidance on research security. Open to all conference delegates, with content and case studies relevant to both low- and middle-income countries and global audiences.

Proposed Geographical or Population Focus: Open to all conference delegates, with content and case studies relevant to both low- and middle-income countries and global audiences.

