

AfBSA Biorisk Assessment Pre-Conference Course

Course Introduction:

This biorisk assessment training aims to develop the understanding of a systematic and standardized methodology for assessing biosafety and biosecurity risks, this process will allow the assessments to be repeatable and quantifiable. This workshop will include presentations and discussions on methodologies and models for standardizing biorisk assessments. At this workshop, participants will discuss the principles of risk assessment and how risk should be defined in the context of bioscience. The differences between actual risk and concern (or perception) will also be addressed. Additionally, there will be a detailed review of how the various factors used in assessing risk are related to each other and their overall importance in assessing risk. Workshop attendees will have a chance to review and conduct biorisk assessments.

Course Objectives:

- Understand the principle of AMP and specifically the value of assessment
- Define risk
- Define/Build a risk model (For biosafety and/or biosecurity)
- Compare the differences between technical assessments and concern assessments
- Communicate the issues around risk acceptance

Schedule:

- Welcome, Introductions, Course overview
- Introduction to Biorisk
 - Discussion: What does Biorisk mean? Why is a risk assessment important?
 - Presentation: Introduction to AMP
- General Risk Assessment
 - Small Group Exercise: Conduct and present a risk assessment on the presented scenario
 - Discussion: Defining Risk
- Biorisk Assessment
 - Small Group Exercise: Conduct and present a risk assessment on the presented laboratory scenario
 - Discussion: Structure of risk assessments
- Methods and models
 - Discussion: Value of Structured Assessments
 - Presentation: Introduction to BioRAM
- Concern Assessment vs. Technical Assessment
 - Small Group Exercise: Identify concern factors
 - Discussion: Risk Acceptance
- Conclusion/Wrap-up