



# Practical Approach to Biorisk Management

## COURSE OVERVIEW

This training course provides participants with the following:

- Understanding of the components of a robust Biorisk Management System.
- Interactive training on the cyclical process of hazard identification-risk assessment-risk mitigation-performance monitoring as described in the WHO Lab biosafety Manual 4th Edition
- Understanding of the various mitigation measures that can be implemented sustainably in the laboratory
- Basic techniques of performance monitoring including inspections and audits
- Understanding of the importance of incident reporting and learning from incidents

## WHO SHOULD ATTEND

- ✓ Scientist
- ✓ Lecturer
- ✓ Lab Officer
- ✓ Medical technologist
- ✓ Microbiologist

14 SDU POINTS TO BE  
ACCREDITED BY CPD BOARD  
(to be confirmed)

## COURSE DATE

**29<sup>th</sup> to 30<sup>th</sup> May 2023**

**9:00 am to 5:00 pm**

Fee : **S\$850** (exclude GST)  
Tea-breaks and Lunch provided

Location : **NTU@One-North**  
(Near Buona Vista MRT Station)



## LEARNING OBJECTIVES

- Know the national and international biosafety standards, guidelines and legislations
- Know the components of a Biorisk Management System
- Know the types of hazards present in a laboratory
- Know the basics of risk assessment and mitigation
- Know the types of risk mitigation measures that can be implemented
- Know the how to conduct performance monitoring including inspections, audit and incident reporting and investigation
- Know the synergies and conflicts between biosafety and biosecurity

## COURSE OUTLINE

- Introduction to biosafety and biosecurity
- Laboratory hazards
- Risk assessment and mitigation
- Overview of biosafety principles
- Secondary containment (facility design and construction)
- Primary containment (safety equipment)
- Personal protective equipment
- Biosafety and biosecurity practices
- Decontamination
- Waste management
- Emergency response programme
- Laboratory biosafety programme
- Biosafety standards, guidelines and legislations
- Learning from incident reporting and investigation processes

## TRAINERS

### Dr. Viji Vijayan

Dr. Viji Vijayan has vast experience in managing laboratories in Singapore and she serves on several Biosafety Committees internationally. She works with international agencies like European Union CBRN Centers of Excellence; World Health Organization through their partner agencies; Global Affairs Canada; Health Security Partners and others to provide Biorisk Management training and consultation in many parts of the world. She also has a Master's degree in Human Factors and Systems Safety from Lund University in Sweden. These educational achievements, together with her vast expertise in the field of biorisk management, has allowed her to develop a unique set of skills that enables her to develop and implement biorisk management systems with a distinctive practical approach.

## Contact Information

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