

Biosafety at MUSC

■ *Unit 1*

- ◆ **The role and responsibilities of the PI with respect to Biosafety and Animals at MUSC**



Biosafety in Biomedical Laboratories at MUSC

- **The role and responsibilities of the PI with respect to Biosafety and Animals**
 - ◆ **A full-time faculty or professional staff member with an advanced degree must agree to accept responsibility for the project and serve as the PI.**
 - ☞ **Student researchers, residents, and postdoctoral fellows cannot be identified as principal investigators.**
 - ◆ **The Principal Investigator (PI) is responsible for full compliance with the federal and state regulations, NIH and CDC Guidelines, and institutional requirements for research involving biohazardous materials.**
 - ◆ **The PI is also responsible for ensuring that the reporting requirements are fulfilled and will be held accountable for any reporting lapses.**

Definition

■ Biohazard

- ◆ *An agent of biological origin that has the capacity to produce deleterious effects on humans, animals, plants and insects. These include microorganisms, toxins and allergens derived from those organisms; and allergens and toxins derived from insects, animals and plants.*



Introduction

Chain of Infection

Reservoir of pathogen

Portal of escape

Transmission

Route of entry/infectious dose

Susceptible host

Incubation period

**Practices/
Equipment**

PPE

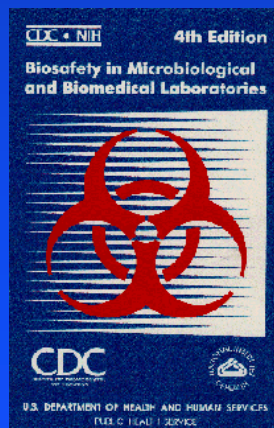
Immunization

Surveillance

Risk Assessment

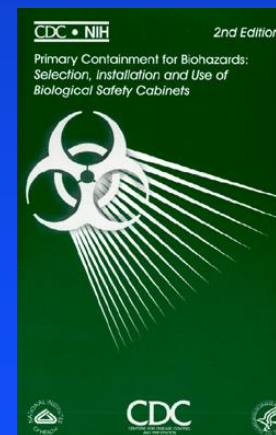
Biosafety in Microbiological and Biomedical Laboratories

- **The role and responsibilities of the PI with respect to Biosafety and Animals**
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<http://www.cdc.gov/od/ohs/biosfty/bmb14/bmb14toc.htm>

[PDF](#)



<http://www.cdc.gov/od/ohs/biosfty/bse/bse.htm>

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Biosafety at MUSC

■ *Questions for Unit 1*

- ◆ **The role and responsibilities of the PI with respect to Biosafety and Animals at MUSC**

