

Saint Louis University

Training for Laboratory Personnel

Overview of Required Laboratory Training

- The following trainings may be required for laboratory personnel:
 - Laboratory Safety & Compliance Training (LST)
 - Laboratory Specific Training
 - Lab-Specific Biosafety Training
 - Bloodborne Pathogen Awareness Training (BBP)
 - BSL-3 Facility Awareness Training
 - Animal Care Mandatory Training and Orientation (provided by CM)
 - Animal Biosafety Training (provided by CM)
 - Radiation Safety Orientation
 - Shippers Training (Biohazards, infectious agents, dry ice, etc.)
- Only those with up-to-date training are allowed to work in the laboratory.

Laboratory Safety & Compliance Training (LST)

- For all laboratory personnel (principal investigators, research faculty, staff, students, and volunteers).
- Covers general safety, chemical safety, biological safety and local, state and federal compliance requirements.
- Required annually.
- Review the [training slides](#) and complete the [LST quiz](#).
- This training does not issue a certificate. Please retain a copy of your quiz summary for your records and eIBC submissions.

Laboratory Safety & Compliance

Saint Louis University
Environmental Health and Safety
Research Integrity and Safety Group
Office of the Vice President for Research
South Campus – Caroline C305

SLU Annual Laboratory Safety & Compliance Training Quiz

A passing score must be at least 80%.

After test submission, you will receive a test summary by email. Please save the email for your records and eIBC submissions.

* Indicates required question

Laboratory Specific Training Outline

- For all laboratory personnel (faculty, staff, students, and volunteers).
- Ensures all lab personnel are aware of the locations of safety information and emergency equipment (Chemical Hygiene Plan, SDS, first aid kit, etc.), proper waste disposal, and lab specific SOPs and trainings.
- Required upon initial hire, any time lab space is changed, or any time a new significant hazard is introduced.
- Labs may use the EHS [Laboratory Specific Training Outline](#) or develop a similar form using this as an outline.

Lab-Specific Biosafety Training

- For all laboratory personnel listed on eIBC protocols.
- Reminds personnel to:
 - Read all applicable eIBC protocols and follow listed specifications.
 - Complete all required trainings.
 - Understand the signs and symptoms of exposure and report all potential exposures to their supervisor.
 - Wear the approved PPE in each eIBC protocol.
 - Understand the procedures for biological spills/releases and how to report them.
 - Follow decontamination procedures.
- Available in eIBC, or via email (Patricia.Osmack@slu.edu)



SAINT LOUIS
UNIVERSITY

Lab-Specific Biosafety Training Form

This document is to be retained by the Principal Investigator/Lab Group and available to EHS Staff for review. Training dates should be added to the Lab Training Form, which must be attached to the eIBC protocol(s).

Principal Investigator Name(s)/Lab Group: _____

Research Location(s): _____

Researcher Name: _____

Researcher Responsibilities	Initials
1. I agree to read all the eIBC Protocols on which I am listed as personnel. I will also review all updated materials in their entirety as they become available (e.g., amendments and renewals). I acknowledge that I can log into protocols at: http://eIBC.slu.edu .	
2. I further agree to complete all training required for handling biological agents. <ul style="list-style-type: none">• Laboratory Safety & Compliance Training (every 12 months)• Bloodborne Pathogen Training (every 12 months for required personnel)• Shipper's Training (every 24 months for those involved in biological agent shipping)• BSL-3>Select Agent Training (each calendar year for required personnel)	
3. I understand the importance of following all the specifications of each eIBC Protocol so that all personnel will be adequately protected from the possibility of contact with the biological agent(s).	
4. I understand that signs and symptoms of an exposure to each biological agent are described in the applicable eIBC Protocol. I agree to immediately report any potential exposures to my supervisor.	
5. I agree to utilize the required personal protective equipment (PPE) detailed in each eIBC Protocol specific to the biological agent(s) that I work with.	
6. I understand the procedures for handling biological spills and releases. I will promptly report any spill/release or other incident involving biological agents to my supervisor and the Biological Safety Officer (314-977-6888).	
7. I agree to strictly follow the decontamination methods specified in the applicable eIBC Protocols(s).	
8. I had the opportunity to ask the named PI questions and have received answers to all my questions.	

General Biological Spill Protocol: It is understood that the following general spill procedures are minimum guidelines to be observed in any laboratory or other research facility in which a biological agent or toxin has been spilled or released.

- Wear gloves and a lab coat. If splashing is possible, also wear eye protection (safety glasses, goggles, or face shield) and a surgical mask.
- Use forceps to pick up broken glass and discard into a SHARPS container.
- Cover spilled material with paper towels.
- Carefully pour appropriate diluted disinfectant (stated in each eIBC Protocol specific to the biological agent) onto the paper towels in sufficient quantity to ensure effective inactivation, making sure you work from the outside of the spill to the inside.
- Allow a 20-minute contact period.
- Pick-up paper towels and dispose in biohazard waste containers.
- Re-wipe spill area with properly diluted disinfectant.
- Place all contaminated materials, including PPE, into biohazard waste containers.
- Wash hands with soap and water.

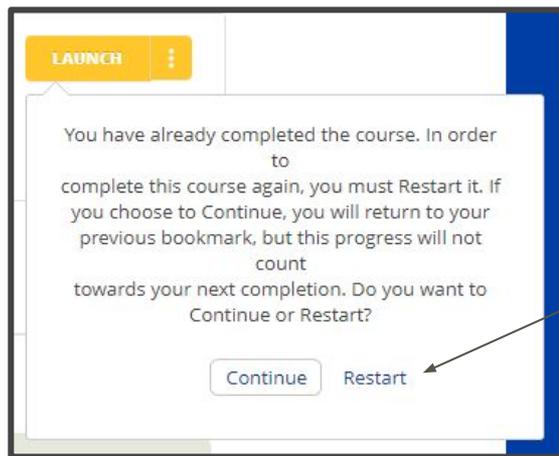
Important for ABSL-3 and BSL-3 Labs: Do not attempt to clean up spills in these labs. Exit lab as per protocol and contact DPS at 314-977-3000 to report the spill.

Researcher Signature: _____ Date: _____

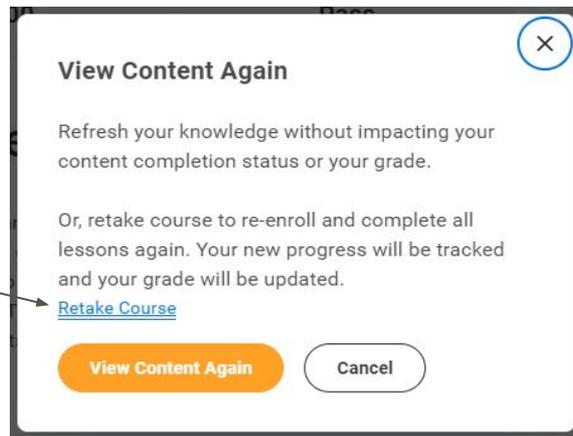
(Revision date: 2023-06-05)

Bloodborne Pathogen Awareness (BBP)

- For individuals who may come in contact with human blood, human or non-human primate cell lines, or other potentially infectious materials (OPIM) as a part of their jobs.
- Required annually.
- Can be accessed through [Skillsoft](#) or the “Learning” tab in Workday.



Note: You must click “Restart” or “Retake Course” to record your new training date.



BSL-3 Facility Awareness Training

- For all personnel accessing and working in BSL-3 laboratory facilities.
- Provides an overview of facility and security parameters, general facility functionality, and workers responsibilities.
- Required yearly (each calendar year).
- Note: PAPR (Powered Air-Purifying Respirator) training may also be required yearly for those working with respiratory pathogens.
- Contact Christopher Eickhoff (314-977-6888 or christopher.eickhoff@health.slu.edu) to schedule training.

Animal Care Mandatory Training and Orientation

- For all personnel prior to working with laboratory animals.
- Offered by Comparative Medicine and OHP Manager.
- Initial in-person training, followed by online refresher every 3 years.
- Follow [link](#) to IACUC Personnel and Training Portal to register for training.



Sign Up

Mandatory Animal Use & OHP Training

Mandatory Animal Use & OHP Training is a one time requirement that lasts for three years. It is necessary to obtain the training before any laboratory work can be authorized. Once the three years have passed from the initial training, the AALAS Online Refresher Training is due and is required triennially from that point forward. Utilize the link to the left. If there are any questions, contact: IACUCOffice@SLU.edu. For more information on the Occupational Health Program (OHP) visit the [OHP Webpage](#).

Animal Facility Biosafety Training

- For all personnel working with biological agents in animals within ABSL2 or ABSL3 facilities.
- Offered by Comparative Medicine.
- Covers loss of containment, accidental exposures, spill procedures, PPE, facility safety parameters, and emergency contact information.
- Initial in-person training with annual refresher.
- Contact Frank Speck (314-977-5437 or frank.speck@health.slu.edu) to schedule training.



Comparative Medicine
ABSL3 Facility Training
Refresher Course

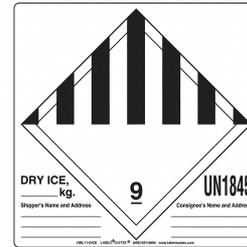
Radiation Safety Orientation

- For all laboratory personnel prior to working with radioactive materials.
- Individuals that work in laboratories where radioactive materials are used but who do not directly use radionuclides are also encouraged to attend.
- Contact Kevin Ferguson (kevin.ferguson@slu.edu) to schedule training.



Shippers Training (DOT / IATA)

- For personnel who package or ship hazardous materials.
 - DOT training for shipping by ground.
 - Four modules - required every 3 years
 - IATA training for shipping by air.
 - Five modules - required every 2 years
- Both can be accessed through Skillsoft or the “Learning” tab in Workday.



Summary

- The PI is responsible for ensuring that all personnel have completed all relevant trainings.
- Training records should be maintained in the laboratory and accessible to laboratory personnel and during internal or external inspections.
- More information on these trainings can be found on the [Training](#) tab of our website.
- Contact ehs@slu.edu for any questions regarding training.
- Please complete the Safety Awareness Quiz on Training by August 31, 2023.