

## REQUIRED TRAINING

- Introduction to Laboratory Safety
- Laboratory Safety at the NIH
- **or** STARS Learn by Doing (summer interns under 22, only)\*
- Working Safely with HIV and Other Blood-borne Pathogens (when applicable)

**\*\* Refresher courses\*\*** for the Laboratory Safety class and the Bloodborne Pathogen class **MUST** be taken on-line **annually**.

The Supervisor of each laboratory is responsible for ensuring and documenting that each individual in the laboratory receives laboratory and procedure specific training. This work site training must be updated as procedures are changed within the lab.

\*Each year, DOHS holds special Lab Safety courses for younger, less experienced summer interns. STARS "Learn by Doing" is a substitute for "Lab Safety at the NIH"

### Introduction to Laboratory Safety (On-line)

This is an introductory course in laboratory safety to be completed prior to attending the classroom course "Laboratory Safety at the NIH."

This course introduces laboratory personnel to common hazards and exposure risks including chemical, radiological and biological hazards that are found in NIH research laboratories. The course provides instruction on how to prevent exposure to these hazards and emergency response procedures in case of exposure. The course covers NIH waste handling procedures as well as provides useful information on methods to ensure the research laboratory is free from common physical hazards.

**Mandatory** training for new laboratory research employees including visiting scientists, summer students and research associates,

**Length:** Approximately one hour

**Website:** <http://www.nihlabsafety.org>

### **\*MANDATORY\* Annual Laboratory Safety Refresher Training**

This is an on-line laboratory safety refresher course. This course reviews and provides updates on safety procedures and policies that govern laboratory safety at the NIH.

**Prerequisite Course:** Laboratory Safety at the NIH.  
**Annual completion is mandatory** for all NIH research laboratory personnel.

### **\*MANDATORY\* Annual Bloodborne Pathogen Refresher Training**

This is an on-line refresher course. This course provide annual refresher training for research laboratory personnel who may be potentially exposed to bloodborne pathogens while working in the research laboratory. This course will provide researchers with the latest information on bloodborne pathogen risks in the research laboratory as well as provide information for means of protection from potential occupational exposures.

**Prerequisite:** Working Safely with HIV and other Bloodborne Pathogens

**Annual completion is mandatory** for all research laboratory personnel who may be exposed to any potential bloodborne pathogens.

### REGISTRATION FOR COURSES

To register for these courses please utilize the online registration site available at

<http://www.nihlabsafety.org>

**Individuals who need special assistance such as sign language, oral interpretation, or other reasonable accommodations should contact DOHS at (301) 496-2960 at least two weeks prior to the scheduled class.**

### Other classes offered by DOHS

- Shipping Hazardous Materials
- Biological Safety Level 3 Training\*
- Biological Safety Level 3 Hands-on Training\*

\* By appointment only - ask your DOHS Safety Specialist for details



# 2010

## Division of Occupational Health and Safety

### Laboratory Safety Training Courses

<http://www.nihlabsafety.org>



Division of Occupational Health and Safety

Providing a safe and healthy work environment  
for employees, patients and visitors



<http://dohs.ors.od.nih.gov>  
301-496-2960



## Laboratory Safety at the NIH

This 3-hour classroom course is designed to follow the computer-based laboratory safety training course to provide additional training on the recognition and control of common physical, chemical and biological hazards found in NIH research laboratories. The course provides required information on NIH policies and procedures for working safely in the research laboratory as well as methods for hazardous waste minimization. The course provides information on engineering and personal protective equipment as well as the NIH medical surveillance program available through the Division of Occupational Health and Safety, Occupational Medical Service.

This course provides initial training on the OSHA Hazard Communication Standard (29 CFR 1910.1200) and Occupational Exposure to Hazardous Chemicals in Laboratories (29 CFR 1910.1450) required by the Occupational Safety and Health Administration. Students are awarded .3 CEUs for successful completion of the course comprehension test.

### Prerequisite Course:

Introduction to Laboratory Safety (web-based)

**Mandatory training** for new research laboratory employees including visiting scientists, summer students and research associates.

**Annual update training is required** and can be accomplished by completing the web-based "Laboratory Safety Refresher Training" course.

Dates	Time:	Location: Bldg/Rm
January 14, 2010	9:00 AM - 12:00 PM	Bldg 45, Balcony A
January 26, 2010	9:00 AM - 12:00 PM	Bldg 45, Balcony B
February 16, 2010	9:00 AM - 12:00 PM	Bldg 45, Balcony B
March 23, 2010	9:00 AM - 12:00 PM	Bldg 45, Balcony A
April 13, 2010	9:00 AM - 12:00 PM	Bldg 45, Balcony B
May 6, 2010	9:00 AM - 12:00 PM	Bldg 45, Balcony B
May 25, 2010	1:00 PM - 4:00 PM	Bldg 45, Balcony B
June 3, 2010	9:00 AM - 12:00 PM	Bldg 45, Balcony B
June 9, 2010	1:00 PM - 4:00 PM	Bldg 45, Balcony B
June 15, 2010	9:00 AM - 12:00 PM	Bldg 45, Balcony B
July 13, 2010	1:00 PM - 4:00 PM	Bldg 45, Balcony B
July 20, 2010	9:00 AM - 12:00 PM	Bldg 45, Balcony B
July 29, 2010	1:00 PM - 4:00 PM	Bldg 45, Balcony B
August 10, 2010	9:00 AM - 12:00 PM	Bldg 45, Balcony B
August 25, 2010	1:00 PM - 4:00 PM	Bldg 45, Balcony B
September 14, 2010	9:00 AM - 12:00 PM	Bldg 45, Balcony B
September 29, 2010	1:00 PM - 4:00 PM	Bldg 45, Balcony B
October 19, 2010	9:00 AM - 12:00 PM	Bldg 45, Balcony A
November 16, 2010	9:00 AM - 12:00 PM	Bldg 45, Balcony A
December 7, 2010	9:00 AM - 12:00 PM	Bldg 45, Balcony A
January 11, 2011	9:00 AM - 12:00 PM	Bldg 45, Balcony A



*Safe Techniques Advance Research Science*

### Safe Science is Good Science.

All new summer researchers working in an NIH laboratory who are **age 21 and younger** are **required** to complete the "Learn-by-Doing" laboratory safety training. A broad range of laboratory topics will be covered including, but not limited to: the principles of biological safety; chemical handling and use; common laboratory hazards; and emergency preparedness.

The learning objectives will be met through a hands-on, learn-by-doing curriculum. Students will work in small groups with an instructor to practice and learn safe laboratory practices, as well as the rules of safe conduct. Students will problem solve and develop critical thinking skills through a series of learning exercises. To demonstrate material comprehension, attendees must pass a comprehensive quiz. If attendees require additional follow-up due to a low-scoring quiz, students will receive additional one-on-one instruction with the course instructors to ensure course completion and success.

Classes are held on Tuesdays, Wednesdays and Thursdays, two times each day from Mid May through July. Each class session is limited to 12 participants.

### STARS "Learn by Doing" class for young scientists is a substitute for "Laboratory Safety at the NIH"

To register for these courses please utilize the online registration site available at <http://www.nihlabsafety.org>

The National Institutes of Health  
Office of Research Services



301-496-2960

<http://dohs.ors.od.nih.gov>

## Working Safely with HIV and Other Bloodborne Pathogens

This 2 hour lecture course provides information on working safely with bloodborne pathogens in NIH research laboratories in accordance with the OSHA Bloodborne Pathogen Standard (29 CFR 1910.1030). This course specifically discusses Biological Safety Levels 2 and 3, common methods of bloodborne pathogen exposures and the use of various controls to help prevent exposure. The course outlines steps to take in case of a potential exposure and reviews medical pathological waste disposal procedures. The course also reviews the Division of Occupational Health and Safety, Occupational Medical Service medical surveillance programs including the hepatitis B vaccination program. Students are awarded .2 CEUs for successful completion of the course comprehension test.

**Mandatory training** course for all laboratory research employees who may be potentially exposed to bloodborne pathogens. This training must be completed by all employees **before** working with human or nonhuman primate blood, body fluids, or tissues, human retroviruses, hepatitis viruses or other potentially infectious material.

**Annual update training is required** and can be accomplished by completing the web-based "Bloodborne Pathogen Refresher Training" course.

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