

## UCSF Office of Environment Health & Safety

### What Safety Training is Needed?

Criteria for determining safety training, personnel	Required Safety Training	<ul style="list-style-type: none"> <li>• <b>Training Frequency</b></li> <li>• <b>Refresher Frequency</b></li> <li>• Regulatory Body</li> </ul>	Initial Training Method	Refresher Training Method
<b>General Laboratory Safety</b>				
All personnel working in a laboratory	<ul style="list-style-type: none"> <li>• Laboratory Safety For Researchers</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Initial training before starting work assignment</b></li> <li>• <b>Every 3 years</b></li> <li>• Cal-OSHA, UCOP Policy</li> </ul>	UC Learning Center	N/A
<b>Biological Safety</b>				
All personnel working in BioSafety Level 1, 2 & 3 laboratory, Animal Biosafety Level 1 & 2 facility and listed on an active Biological Use Authorization (BUA).	<ul style="list-style-type: none"> <li>• Biosafety</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Initial training before starting work assignment</b></li> <li>• <b>Every 3 years</b></li> <li>• Institutional Biosafety Committee NIH guidelines</li> </ul>	UC Learning Center	UC Learning Center
Working with human source material (including established or primary cell lines, blood, body fluids, organs, and tissues), or are members of a PI's laboratory who has BUA approval to work with any human source materials.	<ul style="list-style-type: none"> <li>• Bloodborne Pathogen Standard Training</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Initial training before starting work assignment</b></li> <li>• <b>Annually</b></li> <li>• Cal-OSHA</li> </ul>	UC Learning Center	UC Learning Center
Shipping biological material or shipping on dry ice.	<ul style="list-style-type: none"> <li>• Safe Shipping</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Initial training before starting work assignment</b></li> <li>• <b>Every 2 years</b></li> <li>• U.S. Dept of Transportation (DOT) and International Air Transport Association (IATA).</li> </ul>	UC Learning Center	UC Learning Center
Contact with animals or animal tissue	<ul style="list-style-type: none"> <li>• Medical History Screening Questionnaire</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Initial training before starting work assignment</b></li> <li>• <b>Annually</b></li> <li>• Cal-OSHA.</li> </ul>	Research Information Online(RIO)	Research Information Online(RIO)
Working with Risk Group 3 infectious material on animals except birds, fish, reptiles and amphibians	<ul style="list-style-type: none"> <li>• Animal Biosafety Level III (training and quiz)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Initial training before starting work assignment</b></li> <li>• <b>Annually</b></li> <li>• Institutional Biosafety Committee</li> </ul>	Training: <a href="#">ABSA ABSL3 Training</a> Quiz: UC Learning Center	UC Learning Center
Working with: Non-Human Primates and material from Non-Human Primates	<ul style="list-style-type: none"> <li>• Herpes B Training</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Initial training before starting work assignment</b></li> <li>• <b>Annually</b></li> <li>• Institutional Biosafety Committee</li> </ul>	UC Learning Center	UC Learning Center
Working with sheep and sheep tissue	<ul style="list-style-type: none"> <li>• Q-Fever Prevention</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Initial training before starting work assignment</b></li> <li>• <b>Every 3 years</b></li> <li>• Institutional Biosafety Committee</li> </ul>	UC Learning Center	UC Learning Center

### Chemical Safety

Working with chemicals known to be carcinogenic in humans (other than formaldehyde)	<ul style="list-style-type: none"> <li>Human Carcinogens Training(general)</li> </ul>	<ul style="list-style-type: none"> <li><b>Initial training before starting work assignment</b></li> <li><b>Annually</b></li> <li>Cal-OSHA</li> </ul>	UC Learning Center plus lab-specific training by PI lab supervisor	UC Learning Center plus lab-specific training by PI/lab supervisor
Working with any quantities of formaldehyde	<ul style="list-style-type: none"> <li>Formaldehyde Training</li> </ul>	<ul style="list-style-type: none"> <li><b>Initial training before starting work assignment</b></li> <li><b>Annually</b></li> <li>Cal-OSHA</li> </ul>	UC Learning Center plus lab-specific by PI/ lab supervisor	UC Learning Center plus lab-specific by PI/ lab supervisor
Working with pyrophoric chemicals	<ul style="list-style-type: none"> <li>Safe Handling and Use of Pyrophoric Chemicals</li> </ul>	<ul style="list-style-type: none"> <li><b>Initial training before starting work assignment</b></li> <li><b>Every 2 years</b></li> <li>Cal-OSHA</li> </ul>	Lab-specific training by PI/lab supervisor	N/A
Building maintenance workers and custodians (non-asbestos worker)	<ul style="list-style-type: none"> <li>Asbestos Awareness Training</li> </ul>	<ul style="list-style-type: none"> <li><b>Initial training before starting work assignment</b></li> <li><b>Annually</b></li> <li>Cal-OSHA</li> </ul>	UC Learning Center	UC Learning Center

### Radiation Safety

Working with radioactive materials (RAM)	<ul style="list-style-type: none"> <li>Radiation Safety</li> </ul>	<ul style="list-style-type: none"> <li><b>Initial training before starting work assignment</b></li> <li><b>Every 2 years</b></li> <li>UCSF State RAM License</li> </ul>	UC Learning Center	UC Learning Center
Labeling using any Radioactive Iodine	<ul style="list-style-type: none"> <li>Radiation Safety</li> </ul>	<ul style="list-style-type: none"> <li><b>Initial training before starting work assignment</b></li> <li><b>None</b></li> <li>UCSF State RAM License</li> </ul>	"Live" general training call OEH&S at 476-5303 plus specific training by PI/lab supervisor	N/A
Transportation of Radioactive Material	<ul style="list-style-type: none"> <li>Radiation Safety</li> </ul>	<ul style="list-style-type: none"> <li><b>Awareness training for Compliance prior to shipping</b></li> <li><b>None</b></li> <li>Cal-OSHA 49CFR and 17CCR</li> </ul>	"Live" training. Call OEH&S at 476-5303.	N/A
Working in a lab that uses X-ray machines or similar machines producing ionizing radiations	<ul style="list-style-type: none"> <li>Radiation Safety</li> </ul>	<ul style="list-style-type: none"> <li><b>Initial training before starting work assignment</b></li> <li><b>During periodic inspection of machine</b></li> <li>UCSF State License</li> </ul>	"Live" general training call OEH&S at 476-5303 plus specific training by PI/lab supervisor	"Live" retraining
Human use of Radioactive Material and Radiation Machines	<ul style="list-style-type: none"> <li>Radiation Safety</li> </ul>	<ul style="list-style-type: none"> <li><b>Initial training before starting work assignment</b></li> <li><b>During onsite review</b></li> <li>UCSF State License</li> </ul>	"Live" general training during review of RUA application and inspection of radiation machine. Call OEH&S at 476-5303.	"Live" retraining
Operating a Class 3b or Class 4 laser or laser system	<ul style="list-style-type: none"> <li>Laser Safety</li> </ul>	<ul style="list-style-type: none"> <li><b>Initial training before starting work assignment</b></li> <li><b>When equipment is changed</b></li> <li>Cal-OSHA</li> </ul>	"Live" general training call OEH&S at 476-5303 plus specific training by PI/lab supervisor	"Live" general training call OEH&S at 476-5303 plus specific training by PI/lab supervisor

### Controlled Substances

Working with DEA controlled substances	<ul style="list-style-type: none"> <li>Controlled Substances Compliance</li> </ul>	<ul style="list-style-type: none"> <li><b>Initial training before starting work assignment</b></li> <li><b>Every 4 Years</b></li> <li>UC Office of the President policy</li> </ul>	UC Learning Center	UC Learning Center
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### Office Safety and Ergonomics

All personnel working in an office	<ul style="list-style-type: none"> <li>Office Safety Training</li> </ul>	<ul style="list-style-type: none"> <li><b>Initial training before starting work assignment</b></li> </ul>	UC Learning Center	N/A
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		<ul style="list-style-type: none"> <li>▪ <b>None</b></li> <li>▪ Cal-OSHA</li> </ul>		
Working with computers	<ul style="list-style-type: none"> <li>▪ Office Ergonomics Training and Self Evaluation</li> </ul>	<ul style="list-style-type: none"> <li>▪ <b>Initial training before starting work assignment</b></li> <li>▪ <b>None</b></li> <li>▪ Cal-OSHA</li> </ul>	UC Learning Center	N/A
Work involving repetitive motion in LARC	<ul style="list-style-type: none"> <li>▪ LARC Ergonomics</li> </ul>	<ul style="list-style-type: none"> <li>▪ <b>Initial training before starting work assignment</b></li> <li>▪ <b>None</b></li> <li>▪ Cal-OSHA</li> </ul>	Training video provided by OEHS&S.	N/A
Work involving repetitive motion in the laboratory	<ul style="list-style-type: none"> <li>▪ Laboratory Ergonomics</li> </ul>	<ul style="list-style-type: none"> <li>▪ <b>Initial training before starting work assignment</b></li> <li>▪ <b>None</b></li> <li>▪ Cal-OSHA</li> </ul>	UC Learning Center	N/A
<b>Fire Safety</b>				
Use of Fire extinguishers, Emergency Action Plan, etc.	<ul style="list-style-type: none"> <li>▪ Fire Safety Training</li> </ul>	<ul style="list-style-type: none"> <li>▪ Optional</li> </ul>	UC Learning Center	N/A

**Updated 09/03/2015**

“Live” training for any class can be provided upon request. Contact your [EH&S Specialist](#).

This matrix does not apply to Clinical Use of Radioactive Material or Radiation Machines.

[EH&S Safety Trainings](#)

[Log in to UC Learning Center](#)

[Log in to Research Information Online \(RIO\)](#)