Appendix 4

Lab-Specific Training

Environmental Health & Safety provides the basic Chemical Hygiene Plan for all University laboratories. OSHA requires that each lab also have a lab-specific training outline that describes the annual training each member of the lab receives from the PI or his/her designee. This training should include specific protocols on how to safely carry out procedures performed in the lab. A list of topics which should be included (as appropriate) in the lab-specific training outline is included below. This list is not all-inclusive; all hazards relative to work in the lab should be addressed. Each laboratory must complete its own Lab-Specific Training Outline.

I. Food and drink transport policy
II. Use of volatile organic chemicals, corrosives, flammable materials, reactive materials/oxidizers and toxins
III. Use of peroxide-forming materials (ether, picric acid, etc.)
IV. Use of reproductive toxins
V. Use of select agents and toxins
VI. Work with pathogenic agents
   a. List the signs and symptoms of the disease caused by the research organism
   b. List the potential routes of exposure for the research organism
   c. Report any exposures or suspicious symptoms to the PI
VII. Work with bloodborne pathogens or human cell lines
   a. Include the training outline from Appendix 15
VIII. Use of a chemical fume hood
IX. Use of a biological safety cabinet
X. Use of gas cylinders
XI. Use of specialized lab equipment (centrifuge, electrophoresis, etc.)
XII. Use of carcinogens
XIII. Use and testing of safety equipment
XIV. Personal protective equipment
XV. Thermal hazards (autoclave, cryogenic liquids, etc.)
XVI. Shipping infectious materials
   a. Who needs training
   b. How often training must be renewed
XVII. Disposal of hazardous materials