

Laboratory Research Checklist for New PIs

Environmental Health and Safety welcomes you to The University of Texas at Austin! All Principal Investigators (PIs) should complete the following laboratory check-in list upon assignment of lab space and prior to conducting research at UT. After completion, EHS will schedule a meeting with you to discuss university policies, lab safety guidelines and training requirements relating to the type of research involved. You may contact EHS at 512-471-3511 or go to our website at <http://www.utexas.edu/safety/ehs/> for information on general lab safety questions or assistance with initial lab setup. We look forward to working with you to promote a safe laboratory working environment.

PI Name _____	Date _____
Department _____	Phone _____
Bldg/Room(s) _____	E-mail _____

Biological	N/A
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Y N Comments/ List Materials

- 1 Will you be working with recombinant materials (e.g. rDNA, transgenic animals or plants)?
- 2 Will you be working with non-recombinant animals, animal parts or tissues?
- 3 Will you be working with human or primate blood, cells or tissues?
- 4 Will you be working with Biosafety Level 1 agents (e.g. lab strain E. coli)?
- 5 Will you be working with Biosafety Level 2 agents (e.g. Influenza, Shigella, Adenoviruses)?
- 6 Will you be working with Biosafety Level 3 agents?
- 7 Will you be working with CDC/USDA select agents or toxins?
- 8 Will you be autoclaving biohazard waste (e.g. rDNA, culture plates and vials)?
- 9 Will you have biohazard waste that EHS will need to pick up for disposal?
- 10 Will you be using sharps (e.g. needles, scalpels, razor blades)?

Chemical	N/A
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Y N Comments/ List Materials

- 1 Will you be using/storing hazardous chemicals (e.g. flammables, combustibles, corrosives, oxidizers, carcinogens, toxics, reproductive toxins, etc.)?
- 2 Will you have more than 10 gallons of flammable liquids in the lab(s)?
- 3 Will you be using/storing peroxide forming chemicals such as acetaldehyde, cyclohexene, 1,4-Dioxane, ethyl ether or tetrahydrofuran?
- 4 Do you plan to work with hydrofluoric acid, picric acid or acrylamide (powdered)?
- 5 Will you be generating hazardous chemical waste?
- 7 Do you have spill response supplies available?
- 8 Will gas cylinders be used in the lab(s)?
- 9 Do you plan to use hazardous/toxic gases that require ventilated storage (e.g. hydrogen sulfide, carbon monoxide, ammonia)?
- 10 Will you be using cryogenic liquids such as liquid nitrogen or liquid helium?
- 11 Will you be using or synthesizing nanoparticles?

Radiation/Laser	N/A
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Y N Comments/ List Materials

- 1 Will you be working with radioactive materials?
Have you previously worked with radioactive materials? If so, what
- 2 licenses or authorizations have you held in previous employment?
Will you be using equipment capable of generating radiation (e.g. X-ray
- 3 machines)?
- 4 Will you be generating radioactive waste?
- 5 Do you plan to work with Class IIIB or Class IV lasers?

DEA Controlled Substances	N/A
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Y N Comments/ List Materials

- 1 Do you plan to possess/use controlled substances that are regulated by the Drug Enforcement Agency (DEA)?
- 2 Do you have a current DEA or DPS (Department of Public Safety) license? Indicate which one(s).

Equipment	N/A
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Y N Comments/Notes

- 1 Does the lab(s) have a chemical fume hood?
- 2 Does the lab(s) have a biological safety cabinet?
- 3 Does the lab(s) have an emergency eyewash and safety shower?
- 4 Do you have a flammable storage cabinet?
- 5 Do you have an acid storage cabinet?
- 6 Do you have an explosion proof refrigerator for cold flammable storage?
- 7 Do you possess any equipment that generates noise over 85 decibels?

List any additional safety concerns here:

After completing this checklist, please return to Environmental Health and Safety.

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