

## 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.ehs.utexas.edu> 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.

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

<b>Biological</b>	<b>N/A</b>
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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)?

<b>Chemical</b>	<b>N/A</b>
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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?

<b>Radiation/Laser</b>	<b>N/A</b>
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**Y N Comments/ List Materials**

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

<b>DEA Controlled Substances</b>	<b>N/A</b>
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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 license?

<b>Equipment</b>	<b>N/A</b>
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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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**Fax: 512-471-6918, Phone: 512-471-3511**

**EHS Lab Safety Section**  
**Environmental Health and Safety**  
**Service Building (SER)**  
**304 E. 24th St., Suite 202 Austin,**  
**TX 78712**

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