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| **C A U T I O N Z** | |
| **Authorized personnel only** | |
| **ESCORTED VISITORS PLEASE READ BEFORE ENTRY** | |
| **Instructions:**  Image result for stop no smoking sign | **Personal Protective Equipment Required for Entry!**  Visitors must wear the following protective gear:  Science Goggles Cliparthttp://www.lenashsigns.co.za/wp-content/uploads/2012/02/MV041.png |
| **Area:**  **Nolop Makerspace**  **Red Zone**  **Brandon Stafford** | **In Case of Emergency Contact Tufts Police**  **617-627-6911 x66911** |
| **Chemical Safety**  **0**  **0**  **0**  **#**  **Blue** = Health Hazard  **Red** = Flammability Hazard  **#**  **#**  **Yellow** = Instability/Reactivity Hazard  **White** = Special Hazard  **4** = Severe hazard  **#**  **0** = Minimal hazard  **~~W~~** = Water Reactive  **OXY** = Oxidizer  **G** = Gas | |
| **Additional Hazards (Other / Miscellaneous)**   * Hearing protection must be worn in this location when sawing, drilling, or using similar equipment. * Safety glasses must be worn in this location when sawing, drilling, or using similar equipment. * Space is not designed for unauthorized material storage. * No one is permitted to use any **Red Zone** power tools without proper training and supervision. * Long hair must be tied back. No loose-fitting clothing or jewelry. | |

Environmental Health and Safety

**The Laboratory Door Sign Explained**

The laboratory door sign is intended to alert visitors and remind authorized personnel of the hazards of equipment and materials either used or stored in the laboratory. The following descriptions are provided to explain the information contained on all sections of the sign.

* + - 1. CAUTION: Potential health hazards exist in this laboratory. Individuals read the “entry sign” to raise their awareness before entry of the potential laboratory hazards, and provide guidance through instruction or personnel protection equipment recommendation.
      2. Authorized Personnel: Any individual granted authorization to access the laboratory based upon qualification and or training as provided by the Principal Investigator (PI), designee or Tufts Environmental Health and Safety
      3. First Responder: A first responder is an individual from outside the laboratory that responds to request for aid in the event of a: criminal act, fire, hazardous material spill or release, medical incident. At Tufts, the First Responder is a TU Police Officer as well as municipal police, fire and EMTs.
      4. Escorted Visitors: Any individual, who is not authorized by the Laboratory Supervisor to enter the laboratory without an escort.

1. Authorization from the area manager or PI is required prior to escorting visitors in the laboratory.
2. The escort will meet the visitor outside the laboratory and briefly describe the hazards and recommended protective equipment as identified on the entry sign.
3. The escort will accompany the visitor at all times while in the laboratory, and will point out any hazards in the area, and appropriate precautions as needed. Additional information regarding laboratory safety can be found in the document entitled “Research and Laboratory Safety Guide”, and available by visiting   
   <http://publicsafety.tufts.edu/ehs/files/TUResearchandLaboratorySafetyGuide2013-12.2.pdf>.
   * + 1. Personal Protective Equipment: Personal Protective Equipment (PPE) must be worn by all visitors and first responders if the potential hazard cannot be removed or eliminated through engineering or work practice controls or if the hazard exists when the no active work is being performed
4. Respiratory protection: Visitors are not permitted in laboratories where respiratory protection is required to control health hazards. -visitors
5. Hearing protection must be worn if noise levels greater than or equal to 85 dBA.
6. Laboratory coat is required if there is the potential that street clothes could become contaminated with hazardous materials from active operations during the visit.
7. Eye protection will be worn by all visitors if active work is being conducted that could produce a splash, spill or other airborne object that could damage the eye.
   * + 1. PI / Supervisor: Individual responsible for the safety of any individual that enters the laboratory.
       2. Chemical hazard sign (NFPA): Identifies four different hazards of chemicals in the laboratory. Health hazard (blue diamond), flammability hazard (red diamond) and reactivity (yellow diamond). The white diamond is reserved for special hazards: air reactive, water reactive etc. There is a scale from 0 to 4 with 4 being the most toxic/hazardous and 0 being nontoxic/least hazardous.
       3. Biological Safety sign and classification: Identifies the use of biohazardous materials (infectious agents that can cause disease in healthy individuals; biological toxins; human cell lines, blood, or tissue; or recombinant or synthetic nucleic acids ) in the posted area and indicates that the laboratory meets the engineering and safety requirements of BSL-2 as defined in the 5th ed. Biosafety in Microbiological and Biomedical Laboratories.
8. Agent(s): A list of the biological hazards that are used or stored in the research area or laboratory.
9. Additional Information: Any special requirements related to the use of biological hazards that individuals need to comply with to enter the research area or laboratory.
   * + 1. Radioactive Materials: Identifies areas that use or store small quantities of licensed material for research. Researchers handle small quantities of radioactive materials, and the potential for radiation exposure is considered to be low.

Lasers: Identifies areas that use Class 3B or 4 laser systems.