

Bioengineering Lab Safety & Security Rules

Every user of the BNG labs is required to follow the rules presented below.

Lab Security

1. The lab doors should never be propped open.
2. No strangers/friends should be in the lab unless authorized and accompanied.
3. Chemicals and equipment are used only for designated experiments. Necessary records are required for their appropriate usage. In some cases, a logbook is provided for the records.
4. Do not access the area, bench, and hood that are not what your designated work requires.
5. Do not take or use any chemicals, instruments, equipment, and small devices without authorization from the owners.

Lab Safety:

1. Wear approved eye protection and appropriate clothing in the laboratory at all times. When handling particulates, a mask should be used. Shoes (not sandals) must be worn to protect your feet from accidents (possible spills or possible broken glassware). Long hair must be tied back so that it cannot accidentally come in contact with a burner flame, equipment, or any chemicals.
2. When organic solvents are involved in an experiment, a hood with ventilation on should be used. Unused organic solvent should always be properly marked and covered in the lab, or return to its original container, if uncontaminated, and properly stored in a flammable cabinet.
3. You need to know the location of safety equipment in the laboratory. All labs have a fire extinguisher, eye wash fountain, safety shower, blanket, and emergency exits.
4. Neither food nor drink is allowed in the laboratory at any time. Smoking is strictly prohibited.
5. All chemical spills or drips of reagents must be immediately cleaned up. Use wet paper towels or a brush and pan. Dispose of waste material properly. Waste organic solvent should be recycled into the waste bottle with required information filled in on the label. Do not leave any solid waste in the sinks.
6. Always read SDS (kept in a binder) and the label carefully before removing a chemical from a reagent container. Always make sure that you have obtained the correct chemical material and the proper concentration. Serious accidents may occur when the wrong substances are mixed.
7. Switch off Bunsen burner immediately after use. Make sure it is properly adjusted during use. Hot plates should be switched off when not in use.
8. Do not perform any unauthorized experiments.
9. If your laboratory experiment requires any heavy lifting or pouring from bulk containers, consult your advisor for assistance and guidance.
10. Report all accidents and injuries to your advisor.
11. After each experiment, do clean-up and keep the experiment area as clean as possible. The chemicals and the labware cleaned should be returned to their original storage places.

Name (Print) _____ Signature _____

Date _____ Advisor's signature _____