BARKAN LAB SAFETY HIGHLIGHTS

FOR YOUR OWN SAFETY AND THE SAFETY OF OTHERS, HEED THE FOLLOWING RULES!

EMERGENCY CONTACT: dial 911 first, *AND* 6-2919 (EHS) | Alice Cell 541-968-3592

**• Safety Shower, Eyewash, Fire Extinguishers.** Eyewashes must be flushed weekly. *The individual giving group meeting each week is responsible for flushing the eye wash, and touching (but not activating) the fire extinguisher and safety shower to instill a physical memory.*  Safety showers and fire extinguishers are tested annually by EHS.

**• Wear a lab coat and closed-toed shoes when working with the following chemicals:**

- organics (e.g. phenol/chloroform, Trizol, DNAzol, formaldehyde, formamide, methanol)

- acrylamide, ethidium bromide, strong acids and bases

**• Wear safety goggles when working with:**

- UV light (be sure they are UV opaque) (safety glasses ok)

- phenol/chloroform, strong acids/bases, and any splash hazard with anything nasty in it.

**• Wear safety gloves when working with ANY of the reagents above.**

Heed the “one glove rule”: remove one glove when moving between rooms to avoid touching doorknobs with a contaminated glove. Note that glove materials differ in their permeability to different reagents. Standard nitrile gloves are adequate for our lab’s standard procedures. However, if you are planning experiments that involve more dangerous reagents, consult with Luke Sitts at EHS to select appropriate gloves.

**• Disposal of common hazardous reagents (EHS DISPOSAL: 6-3192)**

- E. coli plates and recombinant materials: autoclave buckets or EHS biohazard incineration boxes

- E. coli flasks/liquids: bleach, rinse, drain

- organic solvents: waste bottles in hood.

**• Storage of Hazardous Liquids**

- Store flammables and strong acids in a latched FLAMMABLES CABINET.

**• Heating Liquids in the Microwave Oven**

Triple check that the cap is very loose or (better) remove it entirely.

**• Bunsen Burners**

- Triple check that the gas is shut completely off before you leave the bench/ hood.

- keep them far away from any flammable liquids.

• **Fume Hoods:**  follow the guidelines posted by the hood

**• Liquid Nitrogen and Dry Ice**

- Use only in well ventilated spaces to avoid asphyxiation.

- Never store in sealed containers to avoid explosions

- Wear lab coat, gloves, goggles. In case of frostbite or burn, soak affected part in tepid water, seek medical attention

\*Severe injury and property damage occur regularly when these rules are not followed\*