

## Tonsor Molecular Lab Safety Procedures 2008

### General Information:

- 1) Note the closest building exits.
- 2) Note the closest emergency shower is on the second floor of Crawford, just above us.
- 3) Note the fire alarm and fire extinguisher just outside 157 Crawford.
- 4) Note the eyewash station just beside the sink.
- 5) There is a first aid kit on the top shelf of the center bench.
- 6) Gloves should be worn at all times when working in the lab. Change your gloves if you spill a hazardous chemical on them. Never touch doorknob, glove drawer handle, or phone with gloves. **NO GLOVES IN THE HALL!** One glove can be worn to carry something if necessary,
- 7) Absolutely no food or drinks are allowed in the Molecular Lab.

### Chemicals Safety

- 1) **Always** check MSDS sheets before working with a new chemical. MSDS databases can be found online at sites such as <http://msds.chem.ox.ac.uk/#MSDS> and <http://www.msdsxchange.com/english/index.cfm>. These 2 pages are bookmarked on the mac with the external hard drive.
- 2) Label and date all solutions/liquids, including water and bleach solution. The label must list all reagents, unless it is a commonly used solution with the recipe posted in the protocol binder. Also initial all solutions you make.
- 3) Use the hood with the appropriate chemicals.
- 4) Use safety glasses when appropriate. Note that these safety glasses do not protect against UV light.
- 5) Masks can be worn when weighing out dry chemicals to prevent ingestion. However, our masks are not approved for use with hazardous chemicals, which should only be used in the hood.
- 6) Always wipe residue off of scale. The next person to use the scale will not know what the mysterious powder is.
- 7) Clean up any non-toxic chemical spills immediately. Use chemical spill cloths to clean up small toxic spills. Dispose of cloths properly. In case of biohazardous or large toxic chemical spill contact the University Chemical Spill Center (412-62)4-9505 or the campus police at 811.
- 8) Hazardous Waste must be disposed of via the University Chemical Waste. If you don't know how to dispose of a chemical, you can call the university's chemical waste department. Hazardous waste in the lab must be labeled with a chemical waste sticker and list all reagents without abbreviations and approximate concentrations. Everyone is responsible for disposing of their own waste. Please see the University's chemical waste disposal protocol.

#### Phone Numbers:

**Emergency: 811 or 91-911**

**Chemical Spill: 811 or 4-9505**

Chemical Waste questions: 4-8952