

Lab and Shop Orientation

The lab is located at SNARL, 1016 Mount Morrison Road. The main lab area consists of 4 individual lab spaces (1002a-d). Smaller, individual labs (1101-1103) are available as well as one environmental chamber (cold room in lab 1101). The Layout can be seen on the following floor plan. In addition, we have one animal quarter, nine stream channels and the fish house. Assignment and billing is per laboratory space or per channel.

The emergency eye wash and shower are located in lab 2002 between 2002a and 2002d (Figure 1). An additional eye wash is located in room 1101 (Figure 2). The common area lab (1005) contains most of the shared equipment including the water system, fume hood and waste storage.



Figure 1: Emergency eye wash and shower located in lab 2002.



Figure 2: Emergency eye wash station in Lab 1101.

Some labs are assigned long-term to our resident research staff. These are currently labs 1003 and 1010. Others are held back for our short-term users. Users are permitted to request a particular lab space but in order to maximize lab use final assignment is at the discretion of the Director.

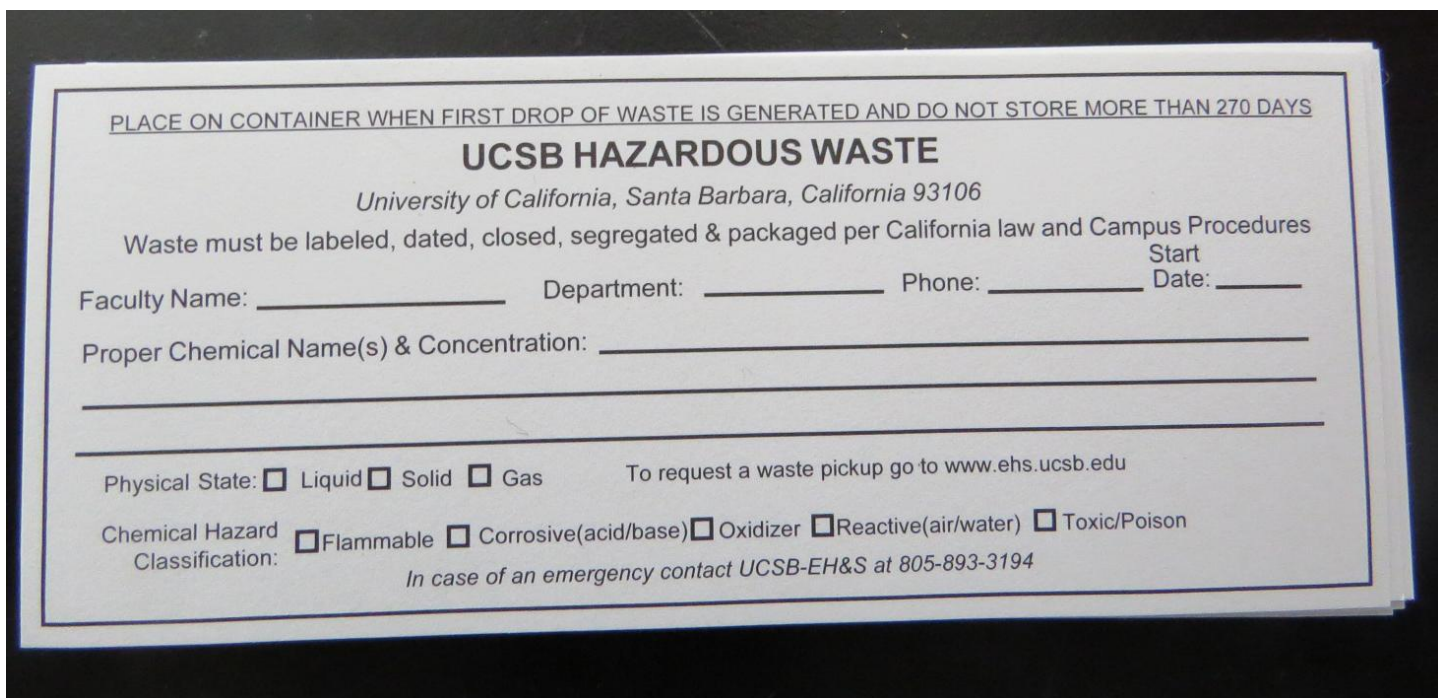
The equipment listed below has been designated for general use. We will need to know in advance of your visit what equipment you will require. If you require use of any equipment located in one of the permanent staff labs (1003 and 1010), please contact the researcher or one of their technicians to arrange scheduling. In addition, any equipment requiring long-term storage of samples (i.e. drying oven at specific temperature, incubator, etc.) should be booked in advance to avoid conflicts of use. Some equipment is standard lab issue (i.e. fume hood); others will require some instruction before use. If you do not fully understand how to operate a piece of equipment, please ask one of the permanent staff located in the lab or contact Kim Rose or Carol Blanchette in Headquarters.

Notes:

1. Samples: All samples and supplies stored in the lab (cabinetry, refrigerator and freezer) must be labeled with the owner's name and contents.

1. Hazardous Waste: As the SNARL lab is on a septic system no chemicals are permitted to go down the drain. All hazardous chemical waste must be properly labeled and stored. Chemical waste containers are provided by SNARL and must be labeled with the details of the waste on the first day of use. This is both a legal

requirement and for the safety of those disposing of the waste. Labels are located beside the Fume Hood and must be completely filled in (Figure 3). Storage is located in the cabinets directly under the Fume Hood. Waste is removed annually by Environmental Health & Safety (EH&S) located at UCSB. To date, EH&S has been covering the costs of this removal, however if they decide to pass that cost onto SNARL, the cost will, in turn, be passed onto the user.



PLACE ON CONTAINER WHEN FIRST DROP OF WASTE IS GENERATED AND DO NOT STORE MORE THAN 270 DAYS

UCSB HAZARDOUS WASTE
University of California, Santa Barbara, California 93106

Waste must be labeled, dated, closed, segregated & packaged per California law and Campus Procedures

Faculty Name: _____ Department: _____ Phone: _____ Start Date: _____

Proper Chemical Name(s) & Concentration: _____

Physical State: Liquid Solid Gas To request a waste pickup go to www.ehs.ucsb.edu

Chemical Hazard Classification: Flammable Corrosive(acid/base) Oxidizer Reactive(air/water) Toxic/Poison

In case of an emergency contact UCSB-EH&S at 805-893-3194

Figure 3: Health and Safety chemical waste label.

Not Supplied (We have a limited supply of glassware and consumables to share). Contact Kim Rose at kim.rose@ucsb.edu if it is inconvenient to bring your own.

You will be responsible for bringing your own:

- Microscopes
- Glassware
- Consumables such as paper towels/chemwipes/pipettes
- Chemicals (check before buying)
- Sharpe's and other hazardous waste containers
- Any equipment not noted below



Common Area Labs

Lab #1010 – Dr. Herbst Lab

Lab #1002

- Eye wash and safety shower
- Drying oven
- Refrigerator/freezer
- White Board with markers

Lab #1005

- Fume Hood and waste storage
- Water System
 - Milli-RO
 - Milli-Q
- Analytical Balance
- Abbot V-1100D spectrophotometer
- Turner TD700 fluorometer
- Vacuum Oven
- Vortex Mixer
- PC – 353 Stirrer
- Muffle Furnace

Lab #1007

Lab #1100

- Stand Up Freezer
- Incubator

Lab #1101

- Environmental Chamber
- Drying oven

Lab #1102 & Lab #1103 – Dr. Knapp Lab

- Water bath
- Autoclave
- Filtration system
- -80 freezer

Collections

- Sample archives

Power tool/shop orientation

Various tools are available - Anyone wishing to use them must contact the Steward, Brent Salzman or Cabot Thomas for orientation and clearance. Safety training must be completed and documentation signed before use of any power tools in the shop.



Figure 4: Tool bench in the shop. Please check with the Steward before borrowing any tools. No tools may be taken off site without prior permission. Tools must be signed out, returned in good shape and signed back in.



Figure 5: Power tools are available but you must complete the required safety checks first. Power tools must be signed in and out, cannot be taken from the property and must be returned in working condition.

List of power tools available in the shop:

- bench grinder
- drill press
- corded sawzall
- jig saw (need to supply own blades)
- palm sander (need to supply own sand paper)
- corded drill $\frac{3}{8}$ " chuck
- metal chop saw

Wood Shop

We have specialized equipment in the wood shop which requires special skills and knowledge before using. Do not use any of these specialized tools without prior authorization.

List of specialized equipment in the wood shop

table saw
band saw
belt/disc sander
joiner planer
chop saw
skill saw

List of safety equipment and requirements:

personal protective gear (please supply your own)

- eye protection
- hearing protection
- gloves
- closed toed shoes
- No loose hair or clothing



Figure 6: Wood Shop equipment



Figure 7: Wood shop equipment