



Biochemistry Lab Orientation

Sector 19 Beamlines

Training Checklist 2

Emergency and Facility Safety

- o Locate safety glasses (*must be worn at all times in Biochemistry Lab*)
- o Read the Emergency Information posted on the yellow Safety Information board
- o Locate telephones and list of phone numbers
- o Locate nearest Fire Extinguishers
- o Locate nearest Emergency Exits
- o Locate Emergency Eyewash
- o Locate Emergency Shower
- o Locate gloves
- o Locate lab coats (*magenta for use with radioactive materials; blue for all other work*)
- o Have you brought any radioactive materials or hazardous chemical materials (*if yes, inform SBC host*)?
- o Update, verify, and sign your Hazard Assessment Form and return form to SBC host
- o Locate MSDS (Material Safety Data Sheets) posted outside laboratory door near APS floor.
- o Locate hazardous chemicals spill kit and learn proper usage

Introduction to Laboratory

- o Label your equipment and supplies with your name so that we can contact you about items you might have left behind
- o **Fill-in this checklist and post it on the yellow Safety**
- o Locate laboratory bench work area for your group
- o Locate purified water and learn procedures for dispensing (*demonstrated by volunteer*)
- o Locate microscope and learn operations procedures (*instructions are posted on wall*)
- o Locate chemical storage cabinets and learn proper storage of chemicals
- o Learn proper labeling of chemicals (*label with Name, Date, and Contents*)
- o Learn proper disposal of chemicals *note: For Hazardous Waste Disposal, contact SBC staff.*
- o Locate chemical fume hood and learn operations procedures
- o Learn safe use of cryogenic liquids (*nitrogen, propane*)
- o Locate cryocrystallographic tools and dewars
- o Learn that if you choose to store crystals at the SBC facility, it is at your own risk
- o Learn labeling protocol for crystals to be archived in the SBC liquid nitrogen dewar
- o Learn labeling protocol for crystal trays to remain at the SBC facility

Introduction to Cold Room

- o Locate work area for your group
- o Learn safe use of cryogenic liquids in cold room
- o Learn location of emergency alarm button

Biochemistry Laboratory Work Station Assignment: _____ Information board

Institutional _____

Principal _____

SBC Exp. Tracking No: _____

Training valid for this experimental run only.

SBC Staff Instructor _____

Date _____