ACCESS
☐ F Training requirements  Training must be valid (1) NSLS-II Safety (2) Cyber Sec (3) GSO (4) Other training per SAF (safety approval form) or lab staff.
☐ F Safety Approval Form  Use beamline SAF or lab-only SAF. Significant changes to experiment must be added (new users, equipment, materials added/increased).
☐ F Signs and Placards  Locate and discuss all posted signs and placards (Hazard Info Placard, contact info, PPE).
☐ F Lead experimenter  Lead Experimenter must ensure that safety, training, and reporting requirements are completed.
☐ A Experimental Floor  No access to the experimental floor from the lab unless authorized (GERT, TLD).

EMERGENCIES
☐ F FLOCO/Control Room  Discuss process to contact a Floor Coordinator (FLOCO, x5046) and the Control Room (x2550) for assistance.
☐ F Lab staff  Discuss process to contact Support Lab Staff for assistance and operations (emergency contact info, phones).
☐ F Emergencies  Discuss where to go and whom to contact during an emergency.
☐ F Exits  Locate routes to nearest exits.
☐ F Fire Ext/alarms  Locate fire extinguisher(s) and fire alarm pull(s).
☐ F Eye wash/ shower  Locate eye wash/shower.
☐ F Spill Station  Locate spill control station (experimental floor).

LAB EQUIPMENT
☐ F Use Authorization  User must be authorized by lab staff before using support lab space or equipment. Explain which lab equipment user is authorized to use. Locate procedures/manuals/instructions.
☐ A Microscope  Show location and operation.
☐ A Microscopes/computers  Do not use unless authorized and trained. Check box when training is complete.
☐ L Robot Operations  Only trained Automation Staff are authorized to operate Robot. Authorization requires thorough understanding of ESR Automation Oper Conditions & Equip manuals for Staubli TX60, TX60L, TX40 robots and the Absolut Dewars.

LAB USE
☐ F Follow SAF & ESR  All activity in lab must be described in SAF or ESR (experiment safety review). Review location of SAF & ESR.
☐ F Unattended experiments  Do not leave any ongoing experiments unattended unless cleared by lab CSM. If unattended experiments are allowed, clearly mark your area/experiment with name, contact info, date and brief experiment description.
☐ A Security (LN2 Posting)  Keep laboratory doors closed and locked at all times unless otherwise indicated by Cryogenic posting used when cooling down the LN2 sample dewars.
☐ A Counter space  Be aware that this is a shared lab and do not use counter space assign to other groups without authorization.
☐ R No food/drinks in lab  No food or drink allowed in lab.
☐ A PPE  Entering this lab requires safety glasses. For handling materials and chemicals, wear additional PPE (gloves, lab coat, etc) as defined in SAF or ESR.
☐ A Chemical Storage  No large quantities of chemicals will be used or stored in this lab.
☐ F Labeling  Chemicals/materials not in original containers need a label with user name, material name, & date. Use NFPA label when possible.
☐ A Computer Software  Do not install any computer software on lab computers.
☐ R Moving/modifying equip  Do not modify or reconfigure any equipment without first asking CSM. Do not move or rearrange lab equipment without first asking CSM. Do not borrow anything from the lab without first asking CSM.
☐ A Soldering Iron  Do not leave the soldering iron powered while unattended. Clean up all soldering scraps and store in the marked container provided.
☐ F Solvent use  Wear safety glasses and gloves when handling solvents. Keep solvent wash bottles in secondary containers when not in use.

ESH & HAZARDS
☐ E Lifting  If lifting objects <30 lbs, keep weight close to the body (between shoulders and knees); If lifting objects =/>30 lbs, use lifting and/or mechanical aids or two person lifts.
☐ F Electrical work 50V  No work on exposed electrical components >50V without appropriate electrical training.
☐ E Electrical breaker  In case of power failure, contact the FLOCO or support lab Staff.
☐ A Beryllium  Identify location of beryllium articles or beryllium windows and process for notification in case of breakage.
☐ A LN2 authorization  Do not use LN2 in lab unless authorized and trained (HP-OSH-025). Check box when training is complete.
☐ A Cryogen use  Wear appropriate PPE when handling cryogens.
☐ A Oxygen Deficiency Haz  Discuss use of ODH monitor. In case of alarm, evacuate area, call control room. A FLOCO will investigate and call the fire dept.
**NSLS-II Lab Specific Training 741-1LL05**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Rev Date: 9/6/2017</th>
</tr>
</thead>
</table>

- **Gas cylinder auth**: Do not connect regulator, disconnect regulator, or move gas cylinder unless trained (TQ-COMPGAS1) and authorized. Check box when training is complete. Wear appropriate PPE. All cylinders must be secured before removing protective cap.  

- **Gas cylinder use**: Show location and operation. Use minimum pressure and flow rate needed for use. No pressurizing of closed vessel.  

- **Comp Air/N2 Supplies**: Show location of taps. N2 taps must not be left open without flow control. Max N2 flow 200 SCFH.  

- **SealedRadioactivSource**: Do not use unless authorized and training completed.  

### WASTES

- **Hazardous waste**: Do not generate hazardous wastes without talking with lab SUPPORT staff. Anyone generating Hazardous Waste must have Lab Standard (HP-IND-220) and Hazardous Waste Generator (HP-RCRIGEN3) training.  

- **Waste Location**: Show relevant waste collection areas and discuss training requirements (sharps, razor blades, pipet tips, broken glass, hazardous waste Satellite Accumulation Area/SAA).  

- **Sharps**: All sharps, including syringe needles, syringe barrels, microscope slides, and scalpels are treated as medical waste. Dispose of in red biohazard container.  

### CLOSE OUT

- **Housekeeping**: All equipment, glassware, chemicals, waste are cleaned up/ put away/ properly disposed of.  

- **Shut down**: Follow shutdown procedure for all lab equipment used and inform the staff lab use is complete.  

---

**Instructions to Trainer:** SAF or ESR #

**Instructions to User:** Trainer: Place √ next to your name:

1. Provide training for each checkbox to each lab user. If a checkbox does not apply, cross out that line. User must be listed on the SAF and/or ESR. Complete information below. Training is valid for 1 year for this lab only. (2) Send completed forms to NSLS-II Training, Building 745, immediately after all users listed on the SAF (who plan to use this lab) have been trained. Training will be entered in the user's training history.

2. Ensure that your name and life number are correct. Sign below that you understand and agree to comply with the instructions provided to you in this training.

---

**PRINT User Name** | **Life #** | **User Signature** | **Date** | **Trainer's Signature** | **√Training Entered**
---|---|---|---|---|---

---

[A] Applicable to this lab  
[E] Determined by ESH  
[F] Facility requirement for ALL labs  
[L] Lab Specific  
[R] Required for all labs