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.

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 Exit(s)  
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.

☐ L CO₂ Snowjet Cleaner  
Wear lab coat and face shield when handling CO₂ cleaning stream. Users must obtain approval before using. Checked box indicates authorization.

☐ L Microscope Olympus BX51  
Users must obtain approval before using. Checked box indicates authorization.

☐ L Microscope Nikon  
Users must obtain approval before using. Checked box indicates authorization.

☐ L Oven (Vacuum)  
Check with staff on the materials being used and the maximum temperature before use. Checked box indicates authorization.

☐ L Oven (Vacuum/Hi Temp)  
Proper PPE required, must be used under technician’s supervision.

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  
Keep laboratory doors closed and locked at all times.

☐ R No food/drinks in lab  
No food or drink allowed in lab.

☐ A PPE (Haz Mat)  
For handling hazardous material, solvents, wear appropriate PPE (gloves, lab coat, etc.) defined in SAF or ESR.

☐ A CMS (Bar Code)  
Manufactured chemicals require a BNL Chemical Management System (CMS) bar code.

☐ A CMS (Empty Containers)  
When empty, manufactured chemicals’ barcodes should be released from the CMS database, and barcode removed from empty containers before disposal.

☐ 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 Hotplates  
Do not leave hot plates unattended when energized.

☐ 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 Gas cylinder auth  
Do not connect regulator, disconnect regulator, or move gas cylinder unless trained (TQ-COMPAGAS1) 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.

LHe authorization

- Do not use unless LHe in lab unless authorized and trained. Check box when training is complete.

Sealed RadioactivSource

- 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).

**CLOSE OUT**

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

- Samples
  
  - Review with staff whether to store samples or ship back to home institution.

- Shipping
  
  - Review shipping process for hazardous materials.

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

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Instructions to Trainer: SAF or ESR #

(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.

Instructions to User:

- 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.

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Print User Name | Life # | User Signature | Date | Trainer’s Signature | Training Entered
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LaMarra, Steven

Li, Ruipeng

Ocko, Benjamin

Zhang, Yugang

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