

Nanofabrication (Clean Room) Facility

Building 735

Proposal No:

This COSA form must be completed for all experimenters working in the CFN and must be submitted to the CFN User Office for badge access.

CFN Safety Awareness Policy: Each user must be instructed in the safe procedures in CFN related activities. CFN Facility Laboratory personnel shall keep readily available all relevant instructions and safety literatures.

| Employee/Guest Name | Life/Guest Number | Email Address | | |
|-----------------------|-------------------|---------------|--|--|
| Wai-Lin Ng / x7153 | Chang-Yong Nam | | | |
| ES&H Coordinator/Ext. | Facility Manager | COSA Trainer | | |
| □Staff | □Guest | □User | | |
| USER ADMINISTRATION: | | | | |

Checked in at User Administration and has valid BNL ID badge

□ Safety Approval Form (SAF) approved. Added to ESR:

Training requirements completed (indicate additional training specified in SAF or ESR in lines provided below):

| Selected ESRs | 8 | User Admin Only Training Complete | Notes | |
|---|---|--------------------------------------|-------|--|
| JTA No. | NC-11, NC-11a, NC-11b, NC-11c, NC- 11d, NC-11e, NC-11f | | | |
| Room Numbers | 42, 43, 44, 45, 46 | | | |
| CFN Safety Module for Users NC-ESH-USERS | [] | | | |
| Cyber Security Training GE-CYBERSEC | х | | | |
| Laboratory Standard HP-IND-220 | Х | | | |
| Hazardous Waste Generator HP-RCRIGEN3 | X | | | |
| Oxygen Deficiency Hazard TQ-ODH | X | | | |
| Working in the CFN Clean Room NC-CLEANRM | х | | | |
| Nanotechnology in the Workplace-Nano Workers TQ-NC-HS2 | X | | | |
| Compressed Gas Safety TQ-COMPGAS-1 | [] | | | |
| Cryogenic Safety TQ-CRYOGEN | [] | | | |
| Corrosive Etch Solutions TQ-CORETCH | [] | | | |
| HF Training for the Clean Room NC-HF-CLEAN ROOM | [] | | | |
| Hydrofluoric Acid: Personal Contamination TQ-HF-CONTAM | [] | | | |

User Admin Signed:

Date:

FACILITY SAFETY:

- □ Clean room Tour: Escorted tour of clean room facilities
- □ Read and understood clean room orientation/protocols
- Gowning procedure: demonstrate proper clean room dress
- Watched video
- Personal protection equipment: location of all the necessary PPE; requirements posted on lab doors
- Card Entry: Use of card to enter clean room, proper room entry (no piggybacking) no entry to service chase by users
- After Hours Policy: Normal working hours is 8-6, Mon. to Fri. Users and guest do not receive after-hours or weekend access to the building without authorization of Facility Leader and Operations Manager
- □ Hazard Placard. Review hazards and instructions.

EMERGENCY PROCEDURES:

- Emergency phone numbers: Fire/Medical: 631-344-2222, Security: 361-344-2238, Facility Complex Manager 631-344-5937, ES&H 631-344-7153
- Site Alarms:
 - Continuous Siren Go to indoor main assembly area (1st floor, middle corridor)
 - □ Intermittent Siren Evacuate site immediately (apartment residents proceed indoors, close windows and doors, await further instruction from the Laboratory emergency forces or housing personnel)
- **Test of Site Alarm** every Monday at noon.
- Building Alarms: LEAVE IMMEDIATELY; DO NOT DEGOWN.
 - **Fire alarms: Evacuate** by nearest exit and meet at semi-circle recharge basin on the west side of the parking lot.
 - In the event of a highly toxic gas release at the CFN, 3-tone alarm will be generated by the building Emergency notification system, followed by a verbal message to evacuate out of the North exits only (front building). All must gather at the Outdoor Assembly Area near the West parking lot (curve stone wall).
- **ODH** Alarm oxygen deficiency hazard; evacuate the area.
- **Fume hood alarm:** Do not use hood if beeping; contact Safety personnel
- Loss of Exhaust: Yellow strobe with audible Alarms: secure equipment, remove gown, exit the lab.
- Nearest exists, route identification and walkdown
- Spill Containment
- Fire Extinguisher & Fire Alarm Pull Station locations
- **Location** of nearest telephone

LAB AND EXPERIMENTAL SAFETY:

- Safety personnel: F. Camino 631-344-7606; M. Lu 631-344-4773, N. Tiwale 631-344-3782, G. Wright 631-344-4386
- **ESR** read and reviewed 8
- Demonstrate electronic waste log
- Only qualified for basic solvent use; anything else requires additional training.
- Chemical use, labeling, and storage
- **No acid use or corrosive etching solutions (HF, piranha, et al.)** without additional training/authorization
- Satellite Accumulation Area (Hazardous Waste SAA)
- **Electrical:** No work on exposed parts above 50V without Electrical Safety 1 Training and Dept. ES&H approval
- **Good Housekeeping:** Return samples/chemicals to home institution
- **Further training:** All equipment use is subject to additional training from authorized CFN Staff. ESR, SAF and COSA do not represent authorization for use of any equipment.

I understand the procedures, operations and safety instructions given to me for this facility and that I must promptly report equipment failures, spills, or off-normal event. I am aware that a willful violation of these procedures and requirements may result in the loss of my access to the facility.

| Employee/Guest Signature: Trainer Signature: | | | | Date: Date: | |
|---|-------------|---------|-------------|----------------|--|
| DESIGNATED COSA TRAINERS: | 🗌 F. Camino | 🗆 M. Lu | 🗌 N. Tiwale | 🗆 G. Wright | |