

Clean Room Checklist (A1043)

Date: _____ Signature: _____

Before Entering

- ☐ **Personal Hygiene:** Shower within the last 48 hours and wash your face to remove makeup.
- ☐ **Minimize Re-entry:** Use the restroom before entering to minimize clean room re-entry.
- ☐ **Attire:** Wear long sleeves, pants, and closed-toe shoes. No jewelry is allowed.
- ☐ **Preparation:** Double-check your lab notebook and experiment plan to ensure you have all necessary items and that everything complies with clean room regulations.

Entry Procedure

- ☐ **Entering A1043:** Enter through the front door, leaving shoes outside. Close the door immediately.
- ☐ **Sticky Mat:** Check the sticky mat and report any fresh footprints. Remove a layer if significantly dirty.
- ☐ **Gowning:** Properly gown with a clean room suit and ensure no hair exposure.

Air Shower

- ☐ **Air Shower Entry:** Enter the clean room through the air shower area, swirling your arms whenever possible.
- ☐ **Door Malfunction:** Pay attention to the deadbolt click sound and report any malfunction of the air shower doors.

Inside the Clean Room

- ☐ **Safety and Cleanliness:** Upon entry, check the lab and document any violations or anomalies. Report emergencies or issues impacting your experiment immediately.
- ☐ **Microscopy:** Perform experiments carefully. Use laser goggles when necessary.
- ☐ **Coverslip Inspection:** Wipe the coverslip carefully. Do not mount samples if the coverslip is chipped, broken, or leaks.
- ☐ **Microscope Setup:** Check light sources, filter sets, and alignment. Consult a senior colleague if unsure about adjustments.
- ☐ **Documentation:** Document your experimental configuration (lasers, filters, changes) in the logbook. Take comprehensive lab notes.
- ☐ **Re-entry:** If you must re-enter during your session, log the time and reason.

Before Exiting

- ☐ **Shutting Down:** When finished, turn off the camera, lasers, lamps, and acquisition software properly.
- ☐ **Objective Care:** Use lens paper to clean the TIRF objective carefully. Ensure no oil overflows onto the outer casing. Clean the immersion oil bottle exterior with a Kimwipe.
- ☐ **Cleanliness:** Clean the optical table for oil residue. Inspect the floor for waste and clean any used Kimwipes, lens papers, pipette tips, or hair.
- ☐ **Waste Disposal:** Tie the trash bag tightly and replace it with a new one.
- ☐ **Logbook Review:** Double-check the logbook for completeness.

Exiting

- ☐ **Collect Belongings:** Gather your lab notebook, samples, buffers, and chemicals.
- ☐ **Air Shower Exit:** Exit the air shower door.
- ☐ **Clean Room Suit:** Take off the clean room suit and leave it in the designated ventilation cabinet.
- ☐ **Leaving A1043:** Exit the outer door, close immediately, and check if it's locked properly.