



THE UNIVERSITY OF BRITISH COLUMBIA

Faculty of Science

PI Request to Restart Research

Complete this form and submit to your department head / institute director prior to restarting research. Once approved, you must complete and sign an Access Agreement and post it on each lab door.

Name: Pinder Dosanjh

Department/Institute: QMI

Email: dosanjh@phas.ubc.ca

Phone#: [REDACTED]

1. Briefly outline proposed experiments/research that require on-campus access:

Helium Recovery Plant (HRP) - liquid helium supply for research groups

2. Building name: Brimacombe

3. For each room occupied by the PI, indicate the room number, the total number of personnel who usually work in that space, the total number of personnel who need to access the room, and the maximum number who will work in the room at once. Note that UBC is aiming for 1/3 occupancy of spaces during Phase 1, and that there must be space for physical distancing.

Room #	Total # of personnel (usual)	Total # of personnel who need access to the space	Max. # at one time during Phase 1
High Head 122 Helium Recovery Plant	1	3	1 But 2 people may need access for a short time if repairs are required, or if help is required during a cryogen transfer

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4. Is your lab space shared? Yes

If **yes**, indicate how you will coordinate with adjacent labs or personnel.

The HRP is in AMPEL's high head, but the HRP area is a small portion of the floor plan and is well separated from other active equipment. Only one person will be allowed in this area at any one time and the space has a dedicated door for access.

5. Describe how you will ensure physical distancing within your lab.

One person will occupy the area at a time. Handoff of dewars will happen in the hallway.

However, for instances where repairs are required, or help is needed with a transfer, a maximum of two people will be allowed in the HRP area. Each must be wearing a face shield, mask, and gloves.

All high touch surfaces must be wiped down before the work starts, and after completion.

6. How will you schedule occupancy of your lab space? e.g. online sign up, weekly discussion in lab meeting to prepare a schedule together, other? Ensure that people on the same shift are not in conflict for the same resources in their own lab. Include an example plan with the application. Schedules should be posted on the lab door weekly. **Note:** at any one time, UBC is aiming for **ca. 1/3 occupancy** during Phase 1

Email and zoom meetings will be used to coordinate pickup and dropoff of dewars.

7. Outline plans to address working alone regulations.

We have assessed our risk using the Risk Assessment Tool and have arrived at a Frequency Rating of 256 (4x8x8) for cryogen transfer, and a rating of 64 (2x4x8) otherwise.

Bobby [REDACTED] send a check-in email at the start of the day, and then at the end of the day. However, for all cryogen transfers performed, Bobby will send an email before starting a transfer, and then another at the end of transfer to.

Pinder Dosanjh

Timothy [REDACTED]

If a scheduled update via email is not received within 1 hour of a transfer start, an attempt will be made to reach the user by email or phone call. Failing that, Pinder or Timothy will walk down to the HRP and physically check on status. If nobody is able to personally check on status, then



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campus security will be called and asked to check in physically (UBC Security Number 604-822-2222).

8. Identify high-contact points that need to be sanitized (doorknobs, fridge handles, switches, communal keyboards, etc.) and all multi-user instruments and equipment in your lab(s), their location, sanitization protocols: this includes items only used by your lab group. This should be posted as a checklist at the entrance for research personnel to complete before and after each shift.

Dewars and door handles.

Compressor controls

Automatic helium purifier controls

Sanitization equipment (spray bottle and paper towels) will be placed in the area and a checklist will be posted on the entrance door to monitor compliance. The tasks listed above will be performed once at the start of the day, and then at shift end.

9. Are there any tasks where physical distancing cannot be maintained? Yes / No

If yes, frequency and duration of tasks? What safety measures will be taken

Yes.

Leak Checking and repair of compressor.

Helping with a cryogen transfer

10. Is equipment in your lab space used by personnel from other labs? Yes / No

If yes, explain how you will arrange for other users to access this equipment while maintaining physical distancing. How will this equipment be sanitized between users?

Yes

All of the helium dewars are shared between many groups. Dewars will be dropped off in the hallway just outside the HRP and sanitized by the group that delivers the dewar. Booby Lin will then sanitize each dewar by wiping down all high touch surfaces, he will fill the dewar, and then wipe it down again before leaving it in the hallway for pickup by the next group.

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High head is Shared space. Bobby will only be in Helium Recovery Plant area. One door will be dedicated to drop off and pickup of Helium. All scheduling through email, zoom or phone.

People will not be able to go into High head to pick up dewars.

11. Will you need to access equipment located in other research labs, or your lab equipment housed in shared equipment rooms in your building? Yes / No

If **yes**, list the equipment or room numbers and how will this be arranged? How will this equipment be sanitized between users?

No.

12. Will you need to access equipment or services in other buildings? Yes / No

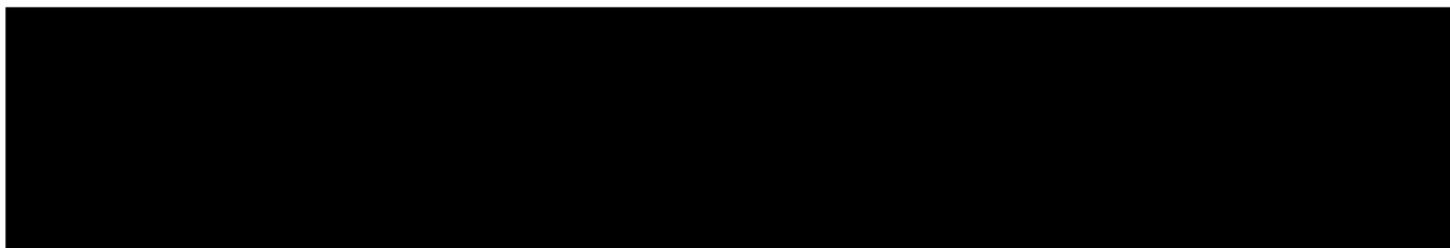
If **yes**, List. e.g. BiF, Chem Stores, liquid nitrogen if you aren't in Chem, collaborators

No.

13. It is mandatory for Phase 1 that all research personnel have appropriate certified training. Are all personnel from your group accessing the lab certified? Yes / No

Yes

Identify each of the personnel below who will require access to on-campus space:



14. Explain below how you will prioritize research personnel in your group to access lab space. In the event that we have to significantly reduce the number of people permitted in labs, how will you decide who has access to the lab?

N/A for this area.

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I agree to abide by the rules I have described above during UBC's Phase 1 of research resumption. I acknowledge that failure to uphold the commitment confirmed here could result in the loss of research access privileges.

Signed

Signed Pinder Dosanjh

Date: June 9, 2020 _____

Approvals

John D Madden,
AMPEL Director

Signed

13 June 2020

Karl Jessen,
SBMQI Director

Signed

15 June 2020

Signed: _____

Date: _____