

Brimacombe PI Request to Restart Research: Phase I

Complete this form and submit to John Madden (ampel.dir@ubc.ca) cc'ing Gary Lockhart (Gary.Lockhart@ubc.ca) in order to request approval for restarting research. APSC SBQMI members please also copy Andrea Damascelli (andrea.damascelli@ubc.ca) and Pinder Dosanjh (dosanjh@phas.ubc.ca). Please also cc your department head or appropriate departmental contact. Once approved, complete and sign the Access Agreement (sent to you separately) and have it posted on each exterior lab door.

Applications will be accepted immediately. The re-opening date will depend on approval of faculty level restart plans, in addition to the time taken to review applications. Additional forms and approvals may also be required.

Name: Ke Zou

Department/Institute: PHAS

Building Name: Brimacombe

Email: kzou@phas.ubc.ca

Phone#: [REDACTED]

Standard hours of return: Phase I occupancy 7 AM to 6 PM Monday to Friday.

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

We need to access Room #473 for the MBE systems to continue the research. In particular, we have two accepted upcoming synchrotron proposals, which require samples being made by using both MBEs. Therefore, we request two people present in the room at the same time.

Pinder Dosanjh will monitor compliance and report to the PI or building manager/floor wardens if needed.

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2. 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
473	7	6 regular users 3 occasional users	2

3. Is your lab space shared? No

If yes, indicate how you will coordinate with adjacent groups or personnel. For the SEM, 2D materials lab, CRN and similar spaces shared by multiple PIs, please submit one form with the names of all users from multiple groups. For the high head area, please submit one form per research group or service (e.g. Helium), and specify the area and PIs that are involved. You may include part of the high head along with other lab space on one form (e.g. CRN occupies lab space in high head and in the Brimacombe extension). In some cases groups may decide it is easier to submit separate forms for each space they work in. We are flexible in the formats we will accept.

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

A tape marker on the floor will be used to divide the lab into two halves. When the 2 persons are in the lab simultaneously, each will only stay in half of the lab with distance more than two meters. If one person needs to go to the other half of the space for a short period of time, the other person has to stay outside the room.

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5. How will you schedule occupancy of your lab space? Phase I occupancy 7 AM to 6 PM Monday to Friday. 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. If you request after hours access, this should be thoroughly justified here.**

We will use an online sign up. Only two people can sign up for the same day.

6. Outline plans to address working alone regulations.

No working alone for moderate or high risk tasks will be allowed. For my lab, moderate or high risk tasks include chemical processing, refilling liquid nitrogen, and the use of NO gas.

If only one person works in the lab, this person needs to send a text and waits for a reply from Bruce Davidson and the PI Ke Zou before going to Brimacombe. Another text has to be sent to the two when the person finishes the work and leaves Brimacombe.

During the time in the lab, a buddy system has to be formed with another student, PDF or RA (the buddy), with a text communication every hour on the hour. If the Check-in Designate (the buddy) does not make contact after 2 attempts within 10 minutes of the predetermined check-in time, the Check-in will call UBC Campus Security at 604-822-2222.

7. Identify high-contact points that need to be sanitized (doorknobs, fridge handles, switches, communal keyboards, work surfaces, chairs 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. The protocols should be posted as a checklist at the entrance for research personnel to complete before and after each shift.

Doorknobs, switches will need to be sanitized. Lysol wipes have been purchased and made available in room 473.

The other surfaces should only be touched by one person. Before leaving the lab for the day, the person will sanitize own surfaces by the wipes.

We will have a checklist to be initialed by all workers before and after use to ensure all surfaces are sanitized as required.

8. Are there any tasks where physical distancing cannot be maintained? No

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If yes, describe the task, explain why it is important to perform in the coming month, and describe the frequency and duration of tasks. What safety measures will be taken to mitigate risks?

9. Is equipment in your lab space used by personnel from other labs? 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? List the anticipated users below in section 13.

10. Will you need to access equipment located in other research labs, or your lab equipment housed in shared equipment rooms in your building? Yes

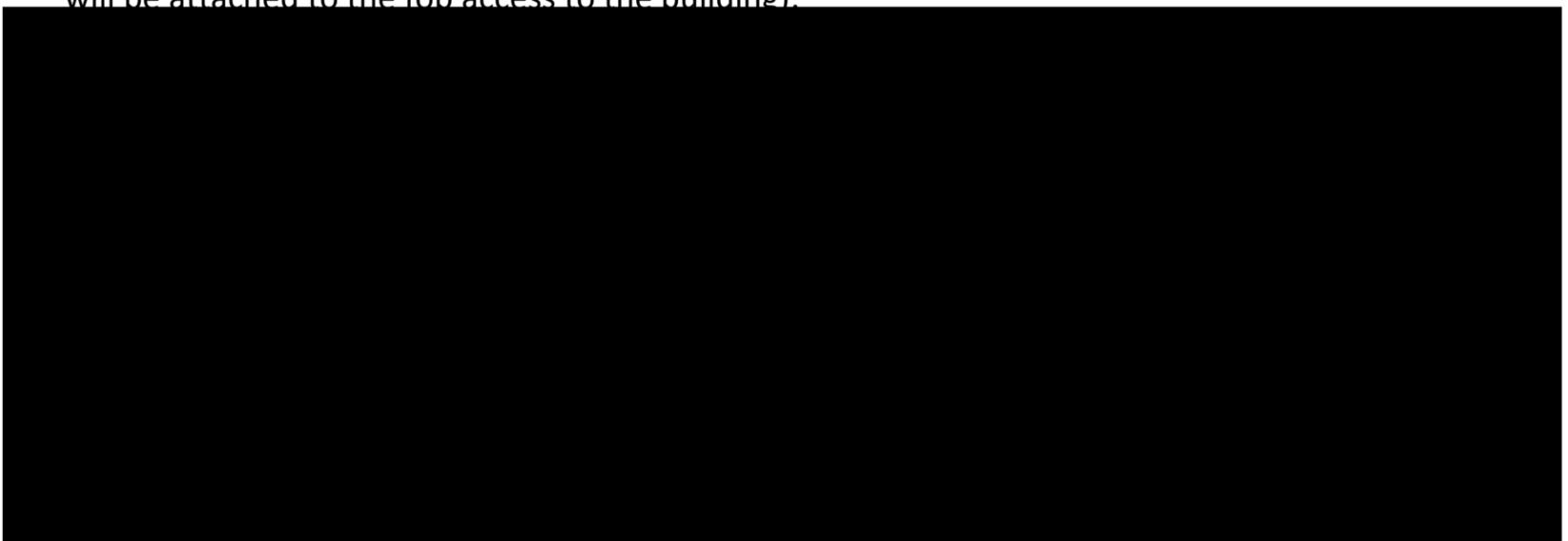
We will need to access the PPMS system in Room #242 that is maintained by Alex Foyevtsov. A single person can perform the equipment setup and measurements, and that person will be responsible for wiping all surfaces of the PPMS equipment and entry door handles with the provided wipes upon entering and leaving.

11. Will you need to access equipment or services in other buildings? Yes

We will need to access Chem Store.

12. It is mandatory for Phase 1 that all research personnel have appropriate certified training. Will all personnel from your group accessing the lab be certified prior to having access, including new COVID-19 video training? Yes

Identify each of the personnel below who will require access to on-campus space (information will be attached to the fob access to the building):



Copy to be posted on every outside lab door

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13. Explain below how you will prioritize research personnel in your group to access lab space.

The sign up will be based on the research progress, and the priority will be given to the personnel who carries necessary research activities.

I agree to abide by the rules and procedures 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. *Signatures of additional PIs who share the space should be added.*

Signed (PI1):

Signed

Date: 2020-06-05

Add as needed:

Signed (PI2):

Date:

Signed (PI3):

Date:

In addition, please have all those anticipated to enter your lab during Phase I sign the agreement below.

Approved by John Madden, AMPEL Director, 8 June 2020

Signed

Approved by Colin Gay, Department of Physics & Astronomy, June 2020

Signed

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SAFE-RETURN-TO-WORK AGREEMENT THE BRIMACOMBE BUILDING

Signature line for researcher (faculty, student, research staff, post-doc etc.) and administrative staff acknowledgment, to be signed by everyone who is anticipated to return to the Brimacombe building in Phase I. (PIs please pass this on to your team).

I _____ have read and understand the additional precautions being taken during this time, as outlined in the Brimacombe Phase I Safety Plan, my lab's Workspace Safety Plan. I have read and agree to abide by the safety plans, and to undergo training that will be required by UBC once it is put in effect (we anticipate video training that all those entering the building will be required to complete):

RESEARCHER/ SIGNATURE _____
or STAFF

DATE _____

Signed

SUPERVISOR/ SIGNATURE _____
or DIRECTOR in case of PIs

5 June 2020

DATE _____

Supervisor is to keep a copy of this document in the lab and/or accessible electronically from the lab, in case of Local Safety Committee, SRS or WorkSafe BC audit.

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