

BRIMACOMBE PI Request to Restart Research: Phase I only

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. 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: ___Dan Bizzotto_____

Department/Institute: ___Chemistry_____

Email: ___bizzotto@chem.ubc.ca_____

Phone#: _____

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:

Studies of electrochemical interfaces using specialized analyzers and fluorescence microscopes. The research studies the formation and modification of electrochemical interfaces for use in biosensors (specifically nucleic acid / DNA sensors) and photoelectrochemical protein assemblies. Other work involves the study of the characteristics of batteries using advanced impedance testing and analysis.

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
AMPEL 342 (lab)	6	4 regular users 2 occasional users	2

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AMPEL 318 (office)	1	1 regular user	1
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4. 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.

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

The lab has 4 benches arranged in two rows. Researchers will be arranged to only occupy one of the benches at a time, keeping at least one bench apart. When moving around the lab, coordination is required to ensure 2m distancing which is easily accomplished with only 2 people in the lab at a time.

6. 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.*

Each researcher has their own workstation **and office space** in the lab, with no overlap between other users. Each researcher will be cleaning **these spaces** before and after use (eg. start of the day and end of the day). Commonly used equipment will be cleaned before use and after use. The water system is a constantly used item, which is operated using a foot pedal, so no issues with regards to cross contamination. **Researchers will coordinate days / times via our AMPEL 342 google calendar that we use for instrument booking and via a WhatsApp group.**

7. Outline plans to address working alone regulations.

A buddy system will be in place. With 2 people in the lab at once, this will only be important if someone leaves or arrives early. The lab has a WhatsApp group and this will be used to check in hourly in the case of one person working alone. In addition, floor wardens will be available to

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act as a contact, especially if dangerous procedures are being followed. Fortunately, this is rarely an occurrence, and these types of measurements will not be planned for Phase 1.

8. 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.

Common Laboratory Equipment in AMPEL 342

Items/ Equipment Description	Location (Building/Room)	Researcher tasked with maintenance (if applicable)	Special Use Instructions during Phase I (if applicable)
Autolab PGStat 1 setup*	AMPEL 342		
Autolab PGStat 2 setup*	AMPEL 342		
Autolab PGStat 3 setup*	AMPEL 342		
Heka PStat Blue microscope setup*	AMPEL 342		
Heka PStat Black microscope setup*	AMPEL 342		
Blue microscope	AMPEL 342		
Black microscope	AMPEL 342		
upright microscope	AMPEL 342		Clean before & after use
Eppendorf Pipettes	AMPEL 342		Clean before & after use
Balances	AMPEL 342		Clean before & after use
AFM*	AMPEL 342		
FTIR*	AMPEL 342		Not to be used
printers	AMPEL 342		
Fridge/freezer handles	AMPEL 342		Clean before & after use

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Door handles	AMPEL 342	First to arrive that day	
Door handles	AMPEL 318	Dan	
Desktops and benchtops	AMPEL 342, 342A, 342B, 318	All	Workspaces to be used will be disinfected on arrival to the lab/office area
Tools and handheld measurement devices	AMPEL 342	All	To be disinfected before and after use, to be used while wearing gloves
Chairs and lab stools	AMPEL 342, 342A, 342B, 318	All	To be disinfected on arrival to the lab/office area
*Includes computer, monitor, keyboard			

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

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?

No. Those tasks will not be scheduled in Phase 1.

10. 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.

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

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

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

If **yes**, List. e.g. BiF, Chem Stores, Kaiser, Frank Forward, Henning's, ...

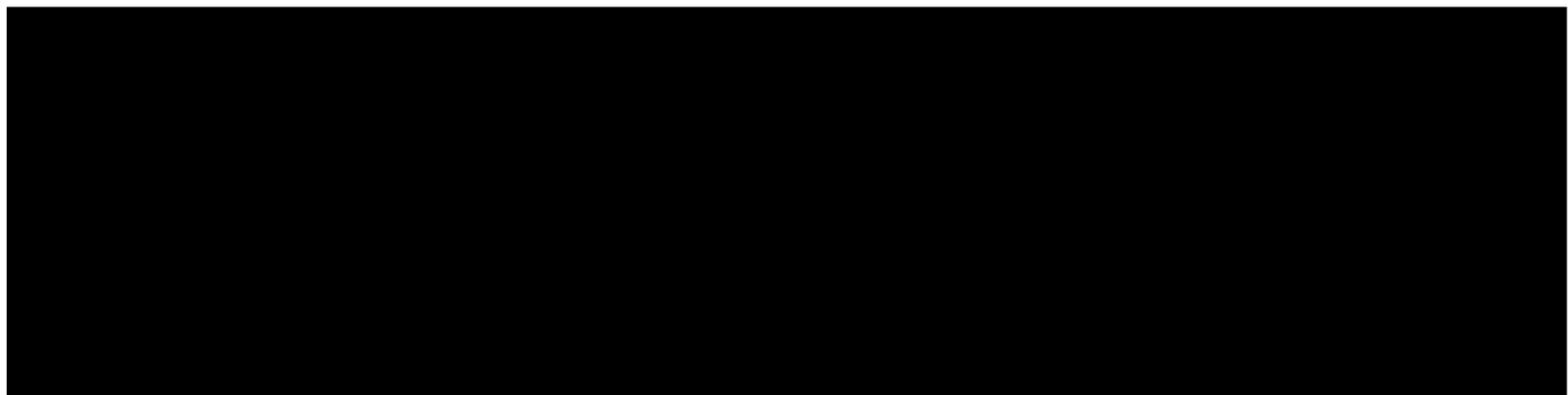
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- Chem Stores

13. 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):



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

1. PhD student thesis research
2. research to finish of measurements for a manuscript
3. research on collaborative project
4. research to generate preliminary results

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: _____ June 5, 2020 _____

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Add as needed:

Signed (PI2): _____

Date: _____

Signed (PI3): _____

Date: _____

AMPEL Approval

John D Madden, AMPEL Director

Signed

9 June 2020

Departmental Approval

Michael Wolf

Michael Wolf, Head of Chemistry

Signed

9 June 2020

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