1. Personnel & Location

PI Name & Contact Information: Don Brownlee  brownlee@astro.washington.edu

PAB Lab Spaces Covered by this Plan: B019   B328

Designated COVID-19 Supervisor responsible for compliance (if not PI):

Date: 10 June, 2020

Personnel who will be participating in this research (names and contact info):

<table>
<thead>
<tr>
<th>Name</th>
<th>Email</th>
</tr>
</thead>
<tbody>
<tr>
<td>Don Brownlee</td>
<td><a href="mailto:brownlee@astro.washington.edu">brownlee@astro.washington.edu</a></td>
</tr>
<tr>
<td>David Joswiak</td>
<td><a href="mailto:joswiak@astro.washington.edu">joswiak@astro.washington.edu</a></td>
</tr>
</tbody>
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2. Rationale for Return to In-Person Research

Acceptable rationales for the current public health phase include: public health or pandemic related research, research required to meet an upcoming deadline, and facilities that support research that cannot be carried out remotely.

We are doing NASA supported research that involves physically using a complex and very expensive electron microscope. Besides providing analytical data required for our funded research, our routine use of the microscope is needed to maintain its many systems in operational form. Besides research deadlines, we are also preparing for analysis of asteroid samples that will be returned to Earth this year by the Japanese Hayabusa2 mission. We are actively involved in development of analysis and processing of these samples as members of the mission team.
3. Attestations

Please review and click to indicate that you will carry out the policies below. If your specific circumstance requires modifying any of the individual policies, do not click it, and describe the replacement policy in Section 4.

The PI or COVID-19 supervisor will:

X review safety plans with employees who are new, are returning to lab for the first time since the shutdown, or are returning to lab after a change in the safety plan.

X document the dates and attendees for all trainings

X ensure that required safety signs are displayed prominently in individual lab spaces

X ensure that this and the Department safety plan are readily accessible in the lab

X coordinate with the front office to ensure sufficient PPE in lab, giving advance notice of anticipated shortages

X remind personnel and visitors of the requirement to self-attest COVID-19 status before coming to campus

X maintain an on-line lab calendar (shared with the department administrator) to minimize overlap in lab.

X remind all personnel to update the calendar with actual arrival and departure times, to allow future contact tracing.

X reinforce to all personnel that under the current stage, their return to in-person research is voluntary.

X reinforce to all personnel that, in the event that someone feels ill or is diagnosed with COVID-19, they should follow the instructions in the Department safety plan

X follow instructions in the Department safety plan about reporting if someone in the lab reports that they’ve tested positive for COVID-19
4. Lab-Specific Procedures

*Please give details of any lab-specific procedures beyond those described in the Department Safety Plan*

**Calendar URLs for Each Lab Space:**

**Cleaning protocols & schedules:**

**Other procedures:**

The two labs are ~ 1000 ft² each with large compartmented spaces, work areas or individual rooms. Social distancing will be maintained normally by having only a solitary person in each lab. On rare cases that require >1 person, social distancing will be maintained by making sure that two people don’t pass each other in choke points such as door ways.

Our two labs (cleanroom B329 and electron microscope B019) are almost always used by one person at a time. Our calendar will mark all incidents when there are more than a single person. Brownlee and Joswiak are the only two people using the labs that are locked for contamination and sample control at all times.

Common work surfaces will be wiped with reagent grade isopropanol and cleanroom wipes - something we commonly do to reduce contamination both B328 and B019.
5. Special Circumstances

If any work is needed which cannot accommodate 6’ distancing between personnel, explain and describe how safety will be maintained. PI will have to contact EH&S for their approval.

6. Workspace

Attach sketch of floor plan of room(s) where personnel will work. Indicate approximate square footage, and maximum simultaneous occupancy in each room. If multiple occupancy, describe or indicate distinct work areas within room. Indicate key areas with high-touch surfaces, equipment controls, keyboards, etc. needing disinfection between different users. Describe any needed rearrangements of equipment.

The two labs are ~ 1000 ft² each with large compartmented spaces, work areas or individual rooms. Social distancing will be maintained normally by having only a solitary person in each lab. On rare cases that require >1 person, social distancing will be maintained by making sure that two people done pass each other in choke points such as door ways. Our calendar will mark all incidents when occupied by more than a single person. Brownlee and Joswiak are the only two people using the labs that are locked for contamination and sample control at all times. High use instrument knobs and keyboards will be wiped with isopropanol. We may also use high power UV lamps that we use for removing organics from surfaces and curing epoxies.