

Responses cannot be edited

Laboratory Requirements

This survey asks questions about laboratory research requirements. When answering these questions think **about the phenotype that you are most closely associated with** (and indicate it in next question). At the end of the survey (section 11) you will have the opportunity to add information regarding any of the other phenotypes you have associated yourself with.

* Required

Which phenotype do you most closely associate with, for purposes of this survey? *

- Molecular Biology
- Cell/Developmental Biology
- Biochem/Biophysics
- BSL2/Microbiology/Pathogens
- Neuroscience
- Computational+Wet lab
- Microscopy
- Computational

Please enter your name - for follow-up questions.

Gordon Rule

Would you be willing to meet to the architect to discuss the lab needs of your phenotype(s)

- Yes
- No

2. Lab Size

What is the typical size of your research group (excluding yourself). *

	0	1	2	3	4	5	6	7	8	9
Staff/postdocs/grad students, etc.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Undergraduates	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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3. Fume Hoods

What is the minimum number of fume hoods needed in your lab?

	0	1	2	3	4	5
No hoods are needed	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Does this number increase with the number of people in your lab? If so please indicate how the number of hoods scales with your group size.

No

4. Sinks

Most labs have 3 types of sinks: Large sinks in common areas, smaller sinks at the end of benches, aspirator sinks along the center of benches.

How many large sinks would you need in your space?

	0	1	2	3	4	5
No large sinks required	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Bench Sinks - If you had 5 lab benches in your lab, how many would need to have sinks at the end of the bench.

	0	1	2	3	4	5	
No bench sinks required	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Each bench must have a sink

Aspirator Sinks - If you had 5 lab benches in your lab, how many would require aspirator sinks?

	0	1	2	3	4	5	
No aspirator sinks required	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	Each bench has to have aspirator sinks

5. Bench space requirement

Consider bench space to consist of three types: i) shared equipment within your lab (e.g. bench top centrifuge), ii) task oriented space (e.g. gel area, electronics area), iii) personal workspace.

What percentage of the lab space is assigned to each activity (please have the three rows add to 100%) *

	0%	20%	40%	60%	80%	100%
Shared Equipment space	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Task oriented	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Personal Workspace	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

If you included personal space in your answer above, how many linear feet do you require/person?

1	2	3	4	5	6	7	8	9	10
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

6. Separate Rooms

Your research may require a separate room for special procedures that are largely unique to your research program. If so, please provide details on your requirements below. Section 8 asks about shared spaces (e.g. common equipment rooms).

What activities in your lab require separate rooms? Examples of separate rooms include: Fly food prep room, fly handling room, cold room internal to lab, radioisotope room, dark room, in-lab microscopy, aquatic facilities, neurophysiology rigs, electronic benches, etc.

For each room:

- a) indicate its minimum dimensions (e.g. 10 x 10 sq ft)
- b) any special requirements for the room (e.g. ventilation, security)
- c) Whether it would be possible to share this space with a small number of labs (e.g. a shared microscopy or neurophysiology room between two labs).

No separate rooms required

7. This question discusses **Large Equipment in your Lab** (The following section discusses equipment in SHARED spaces). Large floor equipment includes refrigerators, freezers, prep- and ultra centrifuges, ice machines, incubators, etc. Note that your lab needs can be split between your laboratory space and shared space, e.g. you can have your -80 located in shared space and not your lab.

The first question allows you to indicate how many of these you would have in your lab; check the appropriate check box for each row.

The second question allows you to add any additional comments (e.g. additional equipment not listed).

Indicate the number of large equipment in your lab.

	0	1	2	3	4	5	>5
Refrigerator	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-20 Freezer	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-80 Freezer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Prep. Centrifuge (Sorvall)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
High Speed Centrifuge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Incubators	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ice machine	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bacterial Shakers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

What additional floor sized equipment in your lab is associated either with your research program or this phenotype. Also indicate how many pieces of each equipment.

None

B. Shared equipment and spaces

This section refers to small and large equipment **in shared spaces**. Note there are two location for shared spaces: i) a common equipment room adjacent to a number of labs, ii) space elsewhere in the building for infrequent access.

The first question allows you to indicate the number of large floor equipment in shared space. The "S" indicates that you would be sharing this equipment with others (e.g. prep centrifuge). If you would require the equipment largely for your lab (e.g. -80), do not select "S". The space code is CE = common equipment, EW = elsewhere in the building. Check as many boxes in each row as necessary.

The second question allows you to provide additional information on the equipment listed in the table.

The third question allows you to provide information on equipment that was not listed.

The fourth question asks for information about additional spaces.

Indicate the number of large equipment in each type of shared space.

	CE-S	CE-0	CE-1	CE-2	CE-3	CE>3	EW-S	EW-1	EW-2	EW-3	EW >3
Refrigerator	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-20 Freezer	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
-80 Freezer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Prep. Centrifuge (Sorvall)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
High Speed Centrifuge	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Incubators	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Ice machine	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Bacterial Shakers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Are there any additional large floor based equipment you would expect to see in shared space?

none

What additional type of equipment (e.g. benchtop centrifuge, nano-drop) would be shared by all users of your principal phenotype.

bench-top centrifuge, nano-drop

What additional shared spaces are needed by your phenotype (e.g. shared cold room, electronics workbench, neurophysiology suite)

Cold room

9. Exhaust and Containment

Please indicate the type, number (and if possible size) of exhaust and containment units. Possible units include biosafety cabinets, glove boxes (e.g. chemical synthesis), laminar flow cabinets, tissue culture hoods. (e.g. my lab would require four 6' tissue culture hoods). Also indicate whether these could be in shared spaces.

Shared tissue culture space and BSL 2 space.

10. Open Lab Concept

An open lab concept is where multiple investigators are co-localized in a single large research space.

In what ways would research for this phenotype be affected by the open lab concept? If you envision problems with an open lab concept, how might these be minimized?

No issues

11. Other Phenotypes

Use this section to add additional information on any of the other phenotypes. This information would include any of the above topics, e.g. equipment that you need housed in your lab, or would expect to find in common equipment rooms, or would expect to find somewhere in the new building (as part of a facility).

A. Molecular Biology

B. Cell and Development

C. Biochem/Biophysics

D. BSL2/Microbiology/Pathogens

Require access to BSL2 space

E. Neuroscience

F. Computational + Wet Lab

G. Microscopy

H. Computational

Require access to servers and PSC