

Our shared purpose is to…

- Fundamentally transform life sciences & democratize biotechnology
- to inspire creativity and improve lives
- by organizing life science change-makers and bio enthusiasts to build an inclusive global network
- **cultivate an accessible commons of knowledge and resources**
- launch community labs and projects
- and enable local educators

Prompt 2: Cultivate an Accessible Commons of Knowledge & Resources

Use Minglr to discuss each question with a partner:
https://lqwfq2.herokuapp.com/group/5f7fe517662b9f0017d8c90e

Table of Contents

What kinds of knowledge and resources should be included?

What kinds of physical resources should be included?

How could we share these kinds of knowledge and resources and make them accessible?

How could we collect these kinds of knowledge and resources?

How could we store them?

How could we curate (filter) them?

What kinds of analogies for other types of accessible commons of knowledge and resources might be useful?

What new ideas do the following analogies suggest for how to do the things above?

- Libraries
- Encyclopedias
- Scientific communities
- Newspapers
- Human Genome DB
- Biological taxonomies of species
- Periodic table of the elements

Create your own prompt!

- ***What kinds of knowledge and resources should be included?***

Contribution (optional: leave your name and email address)	**Vote (+1 and name)** if you like this contribution
Experimental protocols (Jane Doe; jane@gmail.com)	+1(Shrestha Rath) +1 (Jane Doe) +1(Ana) +1 Sabita Tamang +1(Aiswarya Raj) +1 (Data Ng) +1 (John Allan)
Software (Eugene Fong, eugenefong2016@gmail.com)	+1 (Betsabé) +1 Dorothy Zhang
Intellectual property: author rights, marks, patents, designs (Kalaumari Mayoral, kmayoralp@gmail.com)	+1 (Andy)
Datasets (Eugene Fong, eugenefong2016@gmail.com)	+1 John Allan
Technical recommendations and knowhow (Kalaumari Mayoral, kmayoralp@gmail.com)	+1 (Ana)
Low-cost/budgets projects that make expensive lab equipment more affordable (Nini & Angela :); Data Ng, Data@0x2A.science)	+1 Sabita Tamang +1(Aiswarya Raj) +1 (Data Ng) + (Juan Laglaguano)
(right-click here → "Insert Row Above" to Add More Rows)	
Updates of new revolutions((websites,content,startup,community biolabs)	

happening in the field of biology accessible to students curated from basic ideas to higher levels.(Aiswarya Raj,aiswaryarajeev1997@gmail.com)	

- ***What kinds of physical resources should be included?***

Contribution (optional: leave your name and email address)	**Vote (+1 and name)** if you like this contribution
DNA plasmid libraries (Jane Doe; jane@gmail.com) (ex: BioBricks Foundation, Addgene)	+1 (Jane Doe) +1 (Ana) +1 Sabita Tamang …
Step-by-step protocols, maybe optionally extra metadata like expected time, amount of resources (Eugene Fong, eugenefong2016@gmail.com)	+1(Eric Aker) +1 Sabita Tamang +1 (Data Ng)
DIY instructions for building equipment, repairing parts, or DIY replacements (Eugene Fong, eugenefong2016@gmail.com; Data Ng, Data@0x2A.science)	+1 (Samir Hamadache) +1 Sabita Tamang +1(Aiswarya Raj) +1 (Data Ng)
White Papers (Veni Dole, venidole@gmail.com)	
Prototypes (Kalaumari Mayoral, kmayoralp@gmail.com)	+1 (Samir Hamadache) +1 (Data Ng)
Sharing of equipment between Community Labs (regional)	+1(Aiswarya Raj)
(right-click here → "Insert Row Above" to Add More Rows)	

- ***How could we share these kinds of knowledge and resources and make them accessible?***

Contribution (optional: leave your name and email address)	**Vote (+1 and name)** if you like this contribution
Community newsletter (Jane Doe; jane@gmail.com)	+1 (Shrestha Rath) +1 (Eugene Fong)

	…
Resource (including “resources near me”) Database (Tessa; hello@tessa.fyi)	+1 (Eugene Fong) +1 Dorothy Zhang
Localized share networks that are organized regionally/locally (Alex alexnpearlman@gmail.com	+1 (Eugene Fong) +1 Sabita Tamang +1 John Allan
Regular Zoom / Video calls for different projects	
Just One Giant Lab - integrates communication + sustainable development goals + nitty-gritty infosharing (Tessa; hello@tessa.fyi)	+1 Kai Costantini
Trying to create a repository in just a few places… pulling things together (otherwise a risk of getting caught in filter bubbles)	+1 (Kevin Chen) +1 (Veni Dole)
Community events and meetups (designated ways and times to share knowledge and ideas)	
For emerging technology: make work open-source (ex. GitHub) (Veni Dole, venidole@gmail.com)	+1 (Eugene Fong) +1 Sabita Tamang
I like “One Giant Lab” idea, but it needs moderators similar to open source SW like Linux. Need to keep junk and spam out. Most important to me is “Single Point of Contact”, not distributed data. I would never be able to find what I want. (ericscientist@gmail.com)	+1 (Eric Aker)
Using an app with the inventory of the laboratory equipments (Kalaumari Mayoral, kmayoralp@gmail.com)	+1 (Veni Dole) +1 (Eugene Fong)
Github for documentation	
(right-click here → “Insert Row Above” to Add More Rows)	

- ***How could we collect these kinds of knowledge and resources?***

Contribution (optional: leave your name and email address)	**Vote (+1 and name)** if you like this contribution
Qubes Hub (Eugene Fong, eugenefong2016@gmail.com) https://qubeshub.org/	
GitHub (Eugene Fong, eugenefong2016@gmail.com)	+1 (Veni Dole) …+1 (Eric Aker)

Decide on one place that works for everyone so that we're not just googling around on our own (Kevin Chen)	+1 Sabita Tamang +1 John Allan
(right-click here → "Insert Row Above" to Add More Rows)	

- ***How could we store them?***

Contribution (optional: leave your name and email address)	**Vote (+1 and name)** if you like this contribution
Database (Jane Doe; jane@gmail.com)	+1(Jane Doe) +1 Sabita Tamang
Cloud computing platform (Kalaumari Mayoral, kmayoralp@gmail.com)	
(right-click here → "Insert Row Above" to Add More Rows)	

-

- ***How could we curate (filter) them?***

Contribution (optional: leave your name and email address)	**Vote (+1 and name)** if you like this contribution
Develop an open platform (Jane Doe; jane@gmail.com)	+1(Jane Doe) +1 Sabita Tamang …
...	
(right-click here → "Insert Row Above" to Add More Rows)	

- ***What kinds of analogies for other types of accessible commons of knowledge and resources might be useful?***

Contribution (optional: leave your name and email address)	**Vote (+1 and name)** if you like this contribution
Libraries (Jane Doe; jane@gmail.com)	+1(Jane Doe) +1 (Eugene Fong) +1 Sabita Tamang …
Community gardens (Andy Murray; aimurray@ucsc.edu)	
(right-click here → "Insert Row Above" to Add More Rows)	

- ***What new ideas do the following analogies suggest for how to do the things above?***
  - ***Libraries***
  - ***Encyclopedias***
  - ***Scientific communities***
  - ***Newspapers***
  - ***Human Genome DB***
  - ***Biological taxonomies of species***
  - ***Periodic table of the elements***

Contribution (optional: leave your name and email address)	**Vote (+1 and name)** if you like this contribution
Plug and play, modularized, mobile, budget friendly science labs - (maybe with at home versions for the age of corona) - things that can be built upon simply but also have extensions for more advanced work (building off the idea of Bio Bricks and Scratch) - (Eugene Fong, eugenefong2016@gmail.com)	+1 Sabita Tamang
	…. …

...	
(right-click here → "Insert Row Above" to Add More Rows)	

- ***Create your own prompt!***

Contribution (optional: leave your name and email address)	**Vote (+1 and name)** if you like this contribution
How to make science more accessible to everyone? Young, old, professionals, newbies, other languages, other mediums of communication, low tech, high tech, low budget and at home (Eugene Fong, eugenefong2016@gmail.com)	+1 Kai Costantini
How can we be clearer about the differences between open source, open access, and open ownership in these commons? (Andy Murray; aimurray@ucsc.edu)	
(right-click here → "Insert Row Above" to Add More Rows)	