

(Note, this is a work in progress)

Some guiding literature:

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4798823/>
<https://www.syntechbio.com/tools?fbclid=IwAR1igluhpiAcClj8viEZwkZ5knD4eNfwy9uQc82-1Pjkh62FtmOzMARtUp0>

Please join this group to get updates about meetings and other important information here, which will be updated soon:

<https://meetingplace.io/BaselBiohackers>

Ideas for a Name

TBD

Mission

How would we like to frame our mission statement that can best meet our community's needs?

Our mission is to democratise scientific research and remove the economic and social barriers to molecular biology research. We believe that anyone should be able to do good, publishable science without having to spend a fortune, whether they are entrepreneurs, students, or seasoned scientists. We will provide a space to nurture community-supported projects and early-stage entrepreneurs.

Vision

What do we imagine the future of our community laboratory to be? What will we offer?

Our laboratory will have all of the core equipment that is required to conduct scientific research, and we will offer workshops and classes to those who are interested. Ideally, we would like the community lab to be self-sustaining. It will be supported by membership fees, sponsorships, donations, or grants.

Leadership

Who is the team? Define their strengths, and what are their roles? What roles still need to be filled?

Antonio Lamb - Founder

Skills: business development, molecular biology, fundraising, grant writing

Responsibility: Secure funding, establish the lab, lead the organization,

Roles to be filled:

1. A finance person
2. A Lab technician or manager who is experienced in maintaining a lab
3. An engineer/electrician to help with the wiring/design of the space
4. A safety/compliance officer

5. A marketing/communications person who can help with graphic design, press releases, etc.
6.

Planning and Operations

Preliminary budget draft can be found [here](#)

Laboratory Essentials

Facilities:

03.20.20

Our first step is to find a facility for our lab. I (Antonio) propose some ideas on how we secure a space:

1. Share space with a for-profit company in Basel
2. Share space with a lab in the University of Basel
3. Upgrade an existing lab space at [MacherSchaft](#) or Starship Factory. This is currently the most promising idea, in my (Antonio) opinion.

It is obviously much easier if we find a space that already exists.

Projected Capital Costs

03.20.20

The budget is currently incomplete, but rough estimates of just purely starting equipment and reagents are as follows. I (Antonio) will need some assistance to build out the budget for other things:

Core equipment: ~4,500 CHF

Molecular Biology equipment (pipettes, etc.): ~3,000 CHF

Starting Reagents and Consumables: ~1,800 CHF

Operating Expenses

Our budget must account for the cost of rent, consumables, waste disposal, reagents, staff, and maintenance/upkeep. Ideally, we must find an existing lab.

Funding Required

TBD

Possible Funding Sources

- Membership fees
- Community classes
- Donations: donations of money or equipments
- Crowdfunding online
- Applying for community funding/grants
- Sponsorship

This will be a major challenge we must work on. I will also be looking at any grants which are available from the Basel Kanton.

20.03.20

Perhaps this might be a possible source of funding?

<http://www.snf.ch/en/funding/projects/projects-in-all-disciplines/Pages/default.aspx#>

Governance

How will we collectively make decisions about important issues?

I (Antonio) propose a non-profit corporation. Or a Verein?

A board of directors and an executive committee. The Board oversees long-term strategic planning and the Executive Committee oversees day-to-day operations. We will establish a nonprofit organization with a democratic constitution, and bylaws.

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Important links:

<https://www.instructables.com/id/Gel-electrophoresis-system-mini/>

<https://sites.google.com/iorodeo.com/electrophoresis-power-supply/home?authuser=0>

http://www.gaudi.ch/GaudiLabs/?page_id=19

<https://hackaday.com/2020/01/26/put-the-power-of-pcr-in-your-pocket-with-this-open-source-thermal-cycler/>

<http://biohacktheplanet.com/>

<https://genepool.me/>

<https://www.the-odin.com/all-products/>

<https://www.medrxiv.org/content/10.1101/2020.02.20.20025874v1?fbclid=IwAR1og2ZewlgzgJwr14xnLlckQYKf59W8ILpprxkvtDgZ9DCxVpwQiL4pBtQ>

<https://www.nature.com/articles/s41467-020-14932-7>