

Innovating Microbiological media by Frugal Solutions

–Sana Jalili, India .



We need to frugalise Microbiology in home labs

Why

- Pandemic ,Lockdown (No wetlab)

Benefit

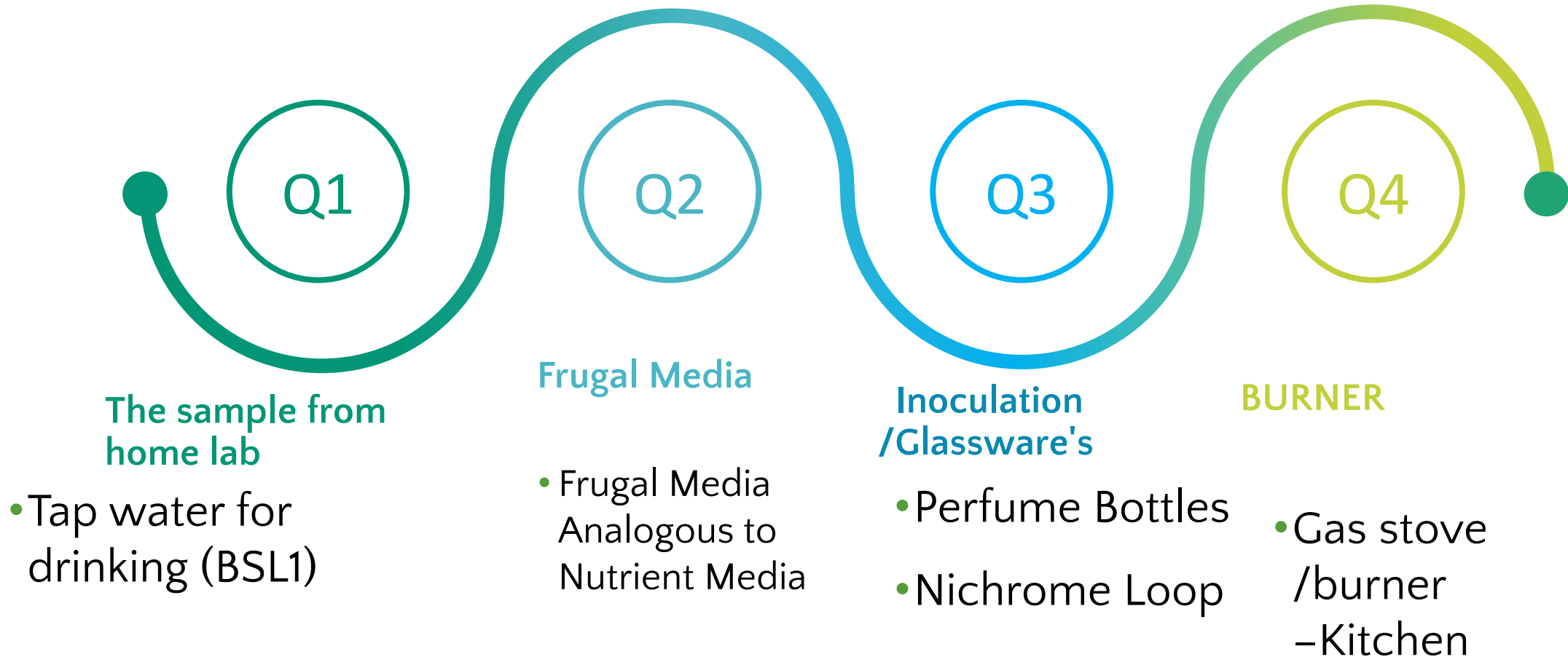
- No obstruction to continue biology work

How?

- BY DIY MICROBIOLOGY LAB



Microbiology in home lab (DIY)



ook!!



Tap water

Frugal
Media



Glassware

Kitchen
Burner



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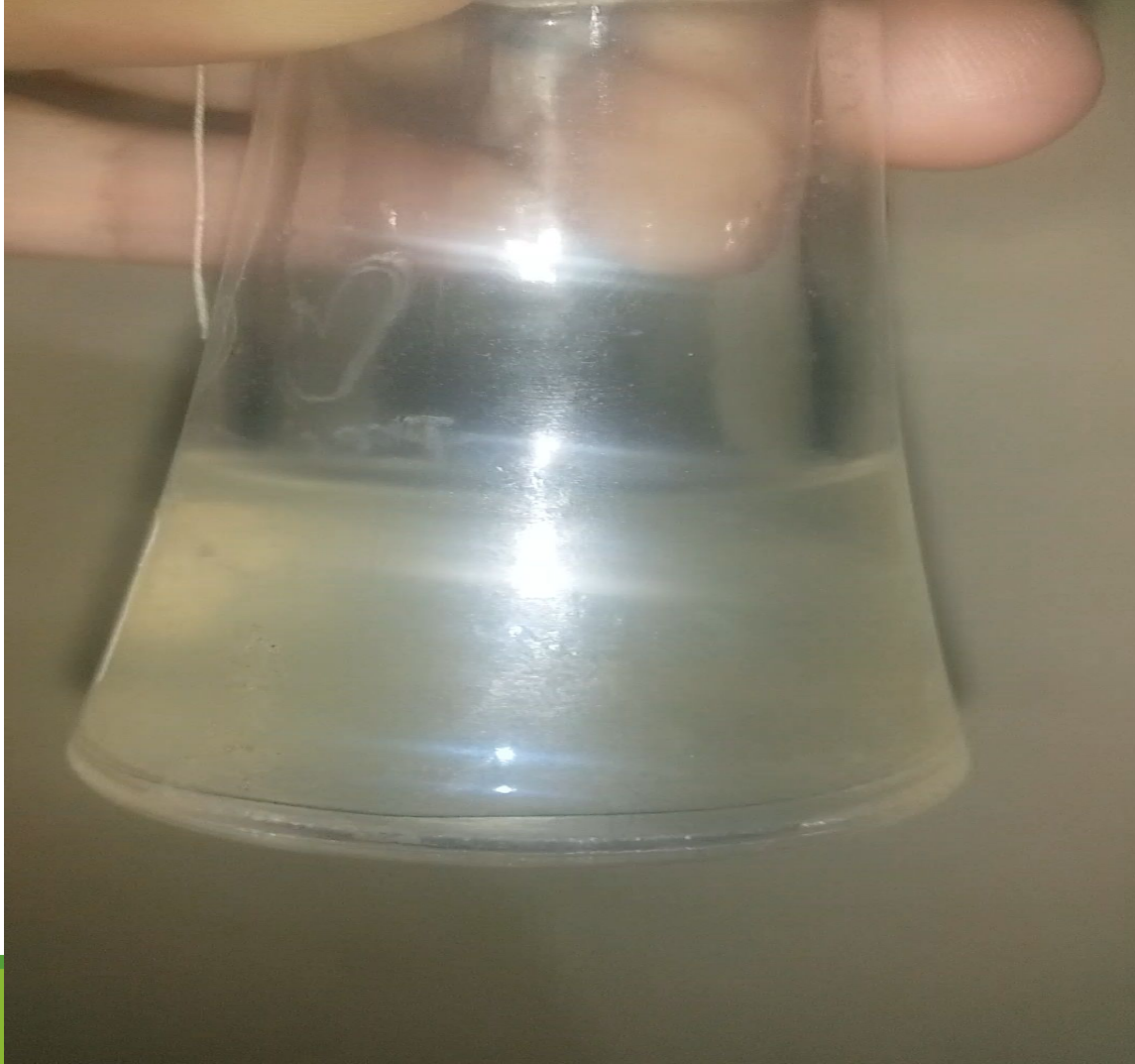
Frugal Agar Media

Nutrient Media Analogous to Frugal Media

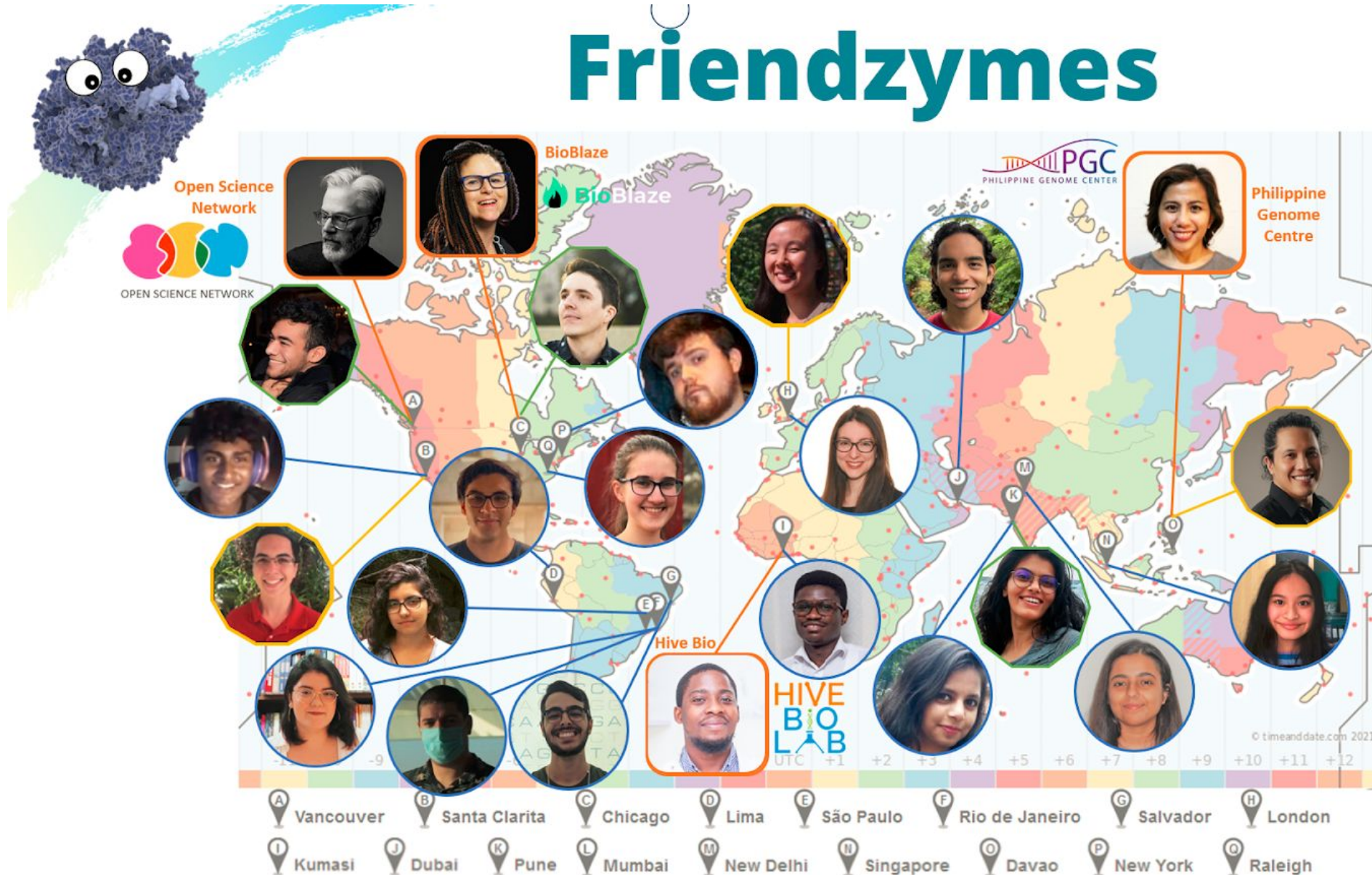
- Carbon source
- Nitrogen Source
- Salt
- pH
- Agar (China Grass)
- Distilled water
- Sterilization in cooker (20 mins)



Frugal Liquid broth (No agar)



Friendzymes



Jenny Molloy
Lee Redden
Scot Bryson
Andrew Hessel
iGEM Impact Grant
Benchling
Just One Giant Lab
OpenTrons

Can we further create DIY labs ?

Lets contribute & democratize biotechnology

Looking for wetlab/DIY

Collabs:sana1microbiology@gmail.com,
friendzymes@gmail.com

<https://bit.ly/friendzymes-signup> ,

<https://linktr.ee/friendzymes>

