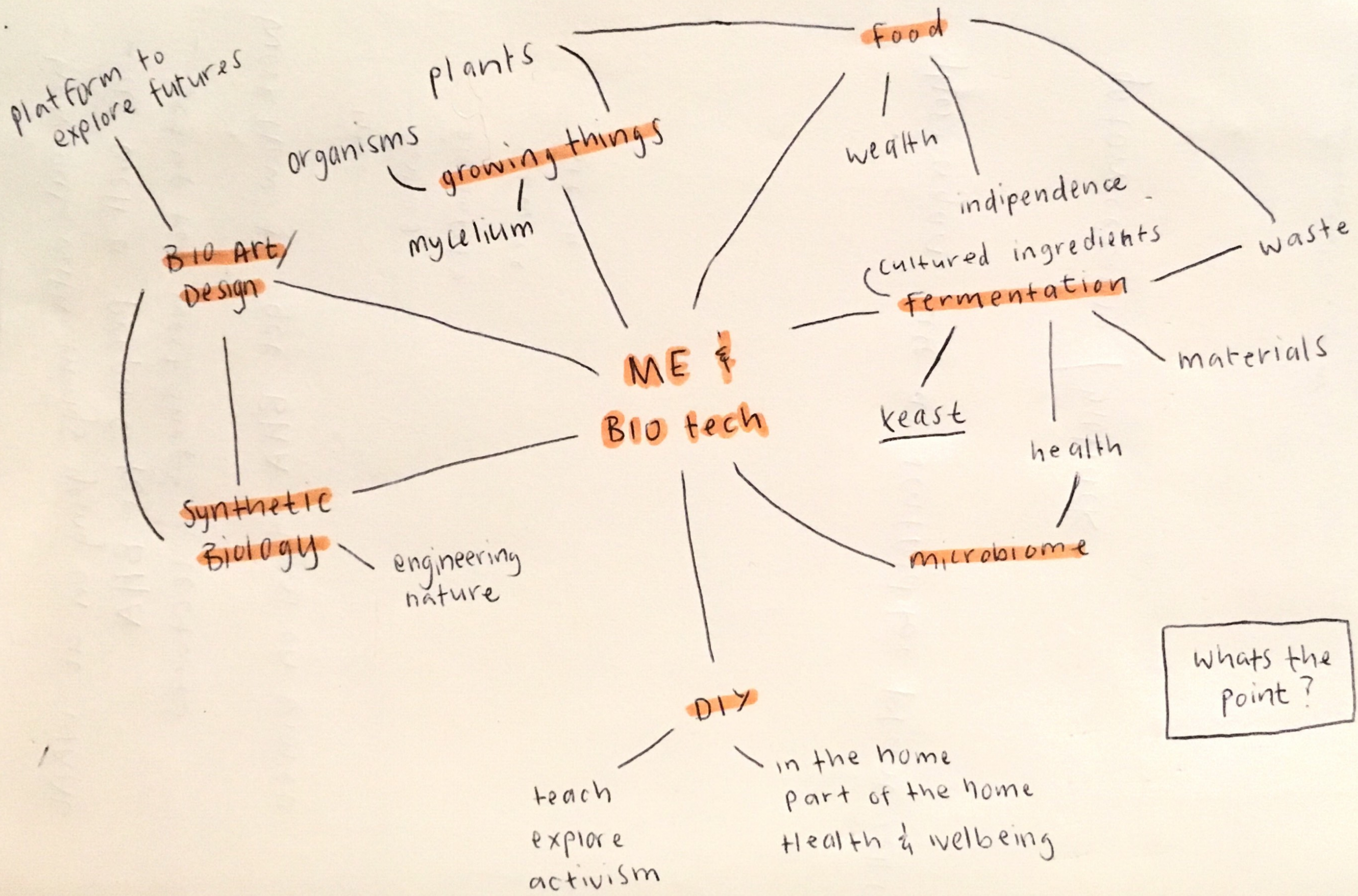


Cultivated Heritage

An exploration into growing plants in vitro

A project by Candyce Dryburgh



Whats the point?

PLANTS

I like to grow things





Asimina triloba / Pawpaw



Brunfelsia pauciflora / Yesterday; Today; Tomorrow

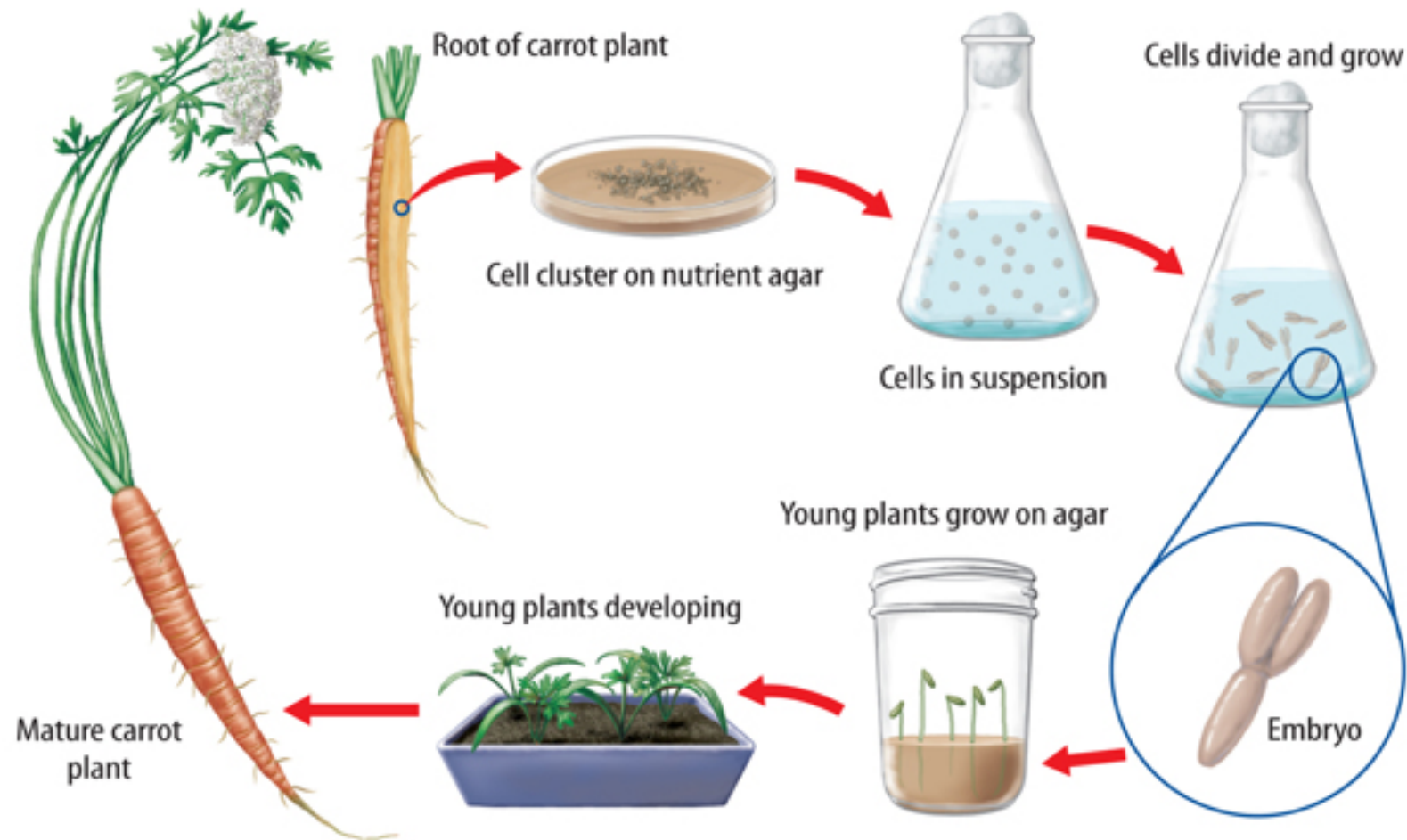


Cultivated Heritage

Specimen from my past / present / future

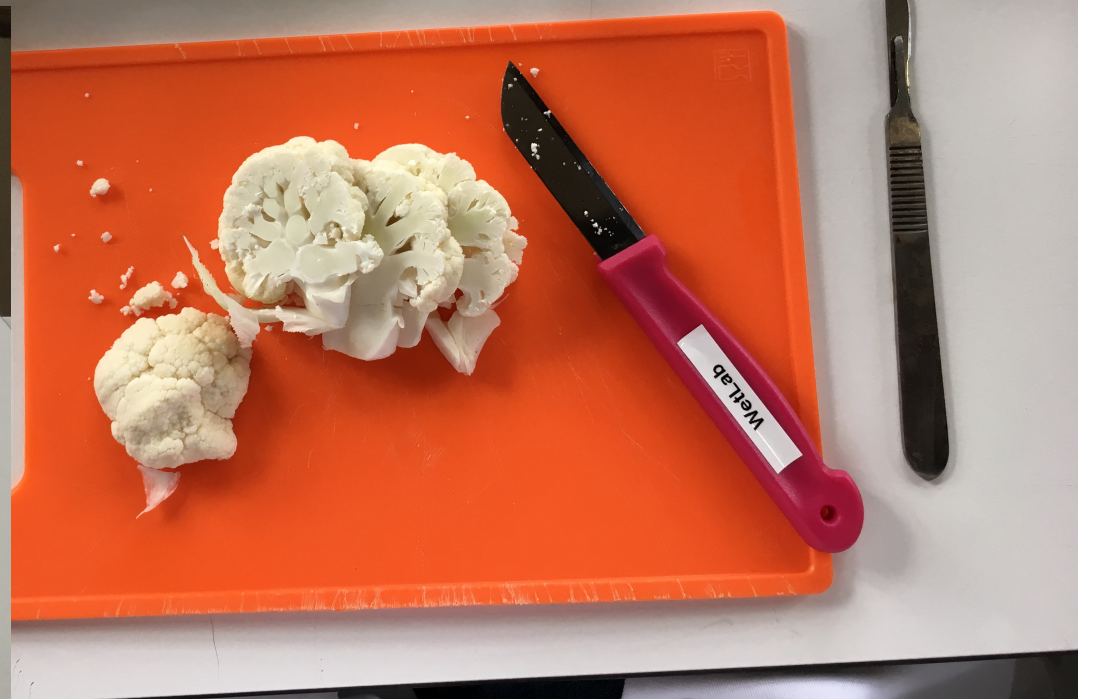
PLANT TISSUE CULTURE

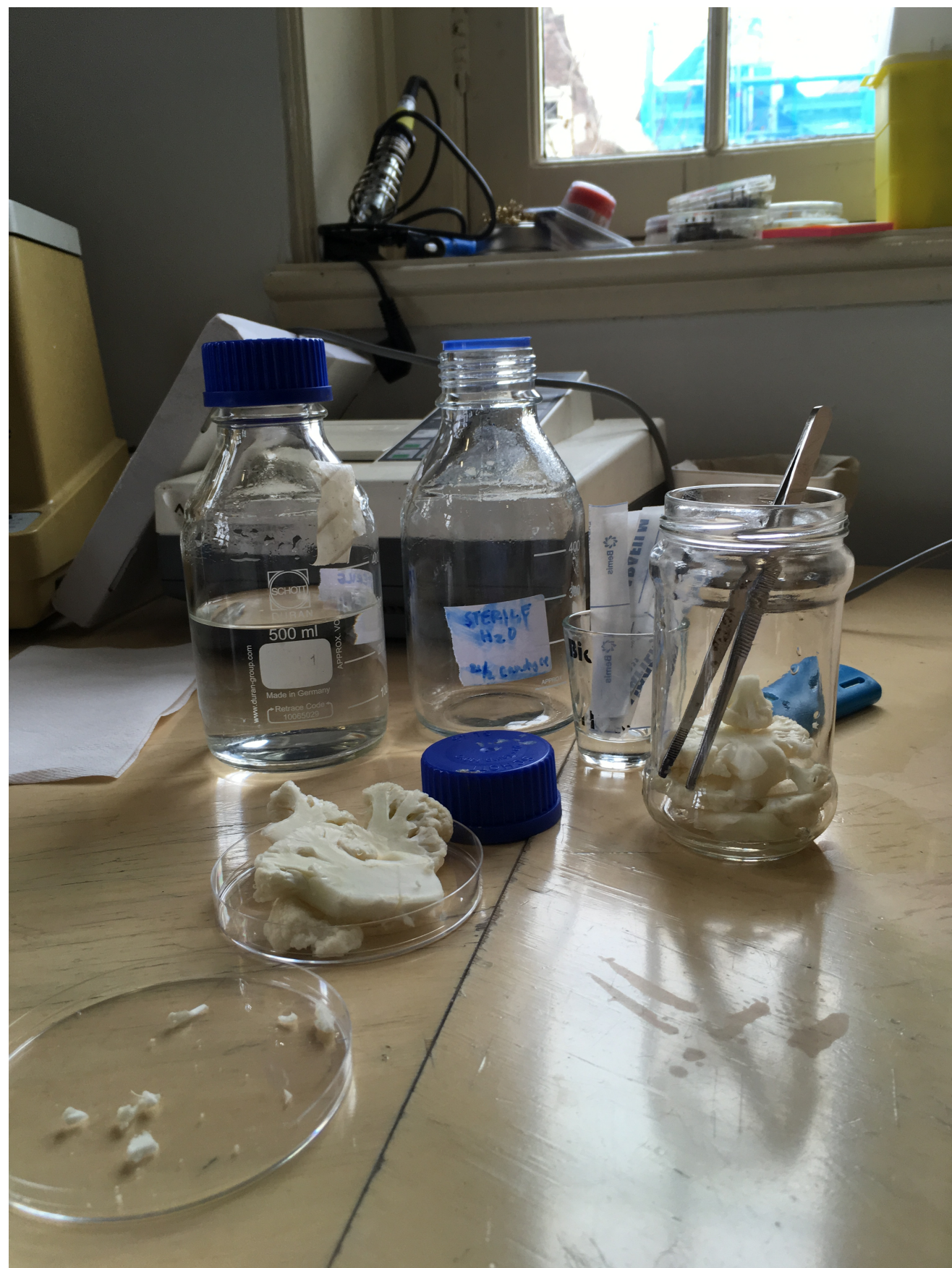
a method to propagate plants



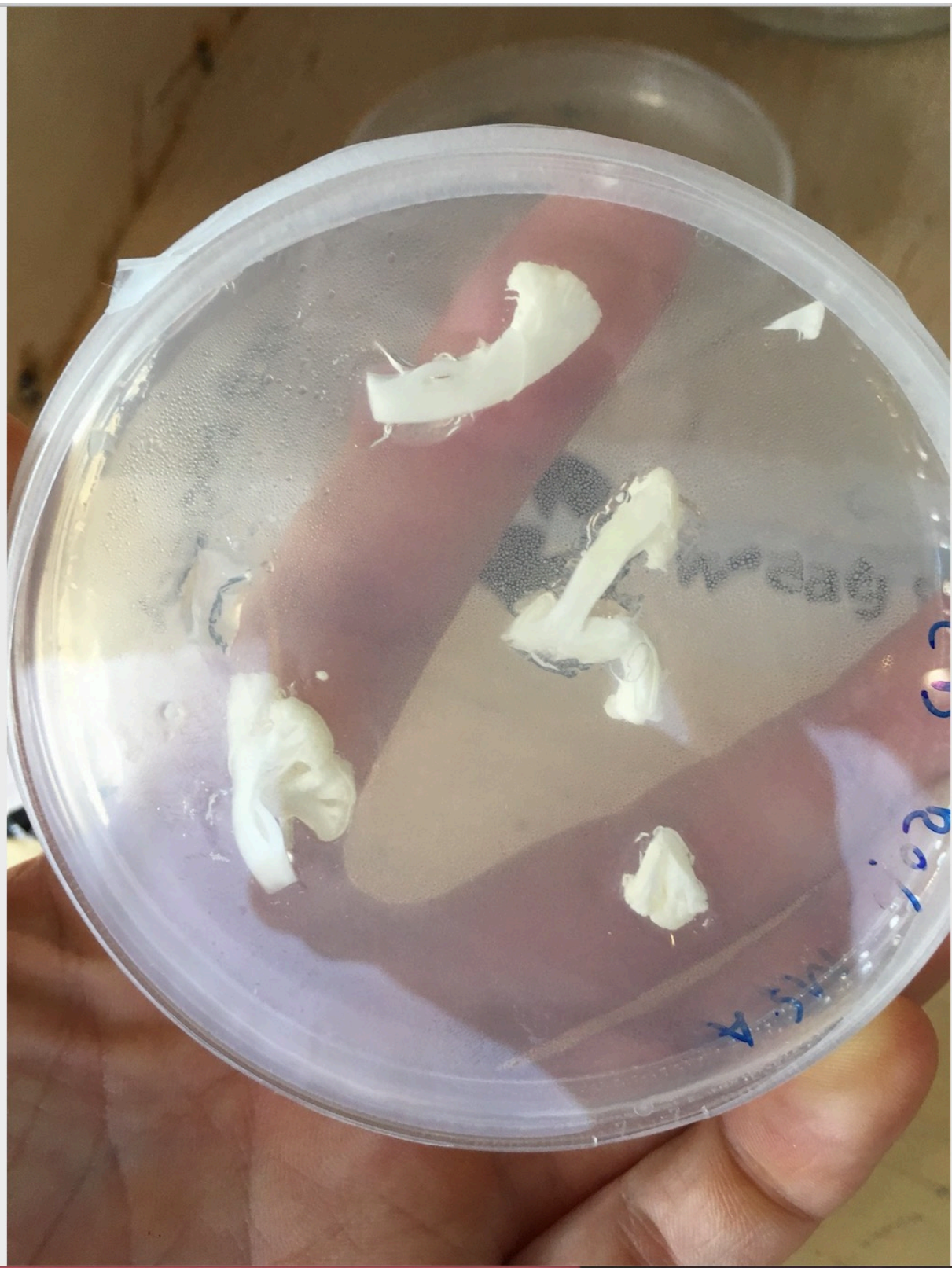
CREATING MY CULTURES

plant tissue at WAAG



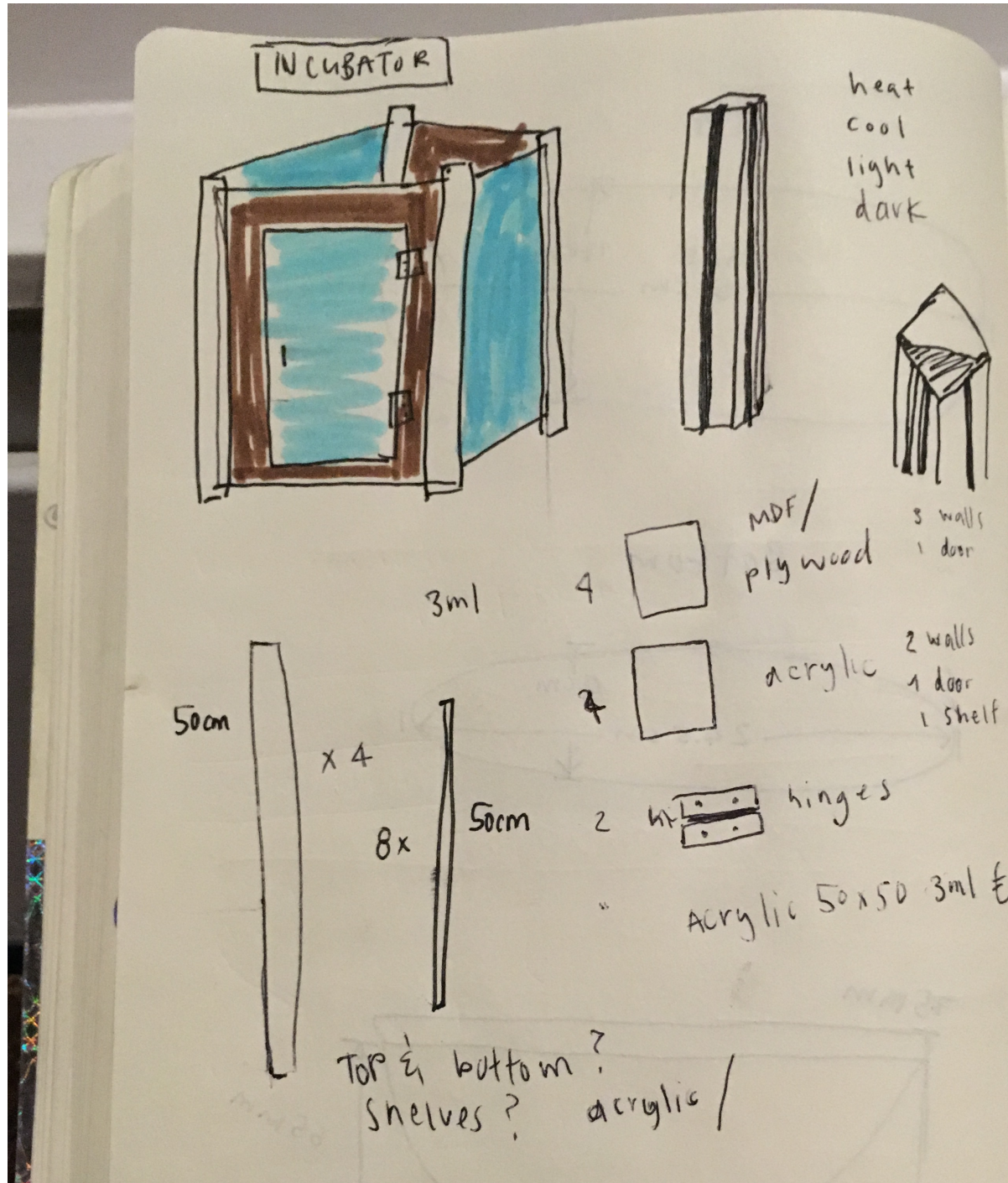






PERSONALISED INCUBATOR

a safe place to grow



DOCUMENTATION

bread book / lab book

02/02
Kick Starting Starter
15:00 85g starter 1:10:10
45g W 90% W
5g WW 10% WW
50g H₂O (27°)
2:30 am " (21!)
bubbles, strength
tasted good, sour
doubled in vol
fed again @ 10:30 am - super active
had to feed!!
BH LOAF (meagan)
470g Flour 20min autolyse
300g H₂O 30 x 3 folds
188g Mom
12g Salt
3/2 470g flour: ← only put in
30g lev as
40% WW 141g not enough
was made
70% W 282g 329g
Dough had good activity but didn't feel
very strong - props could've done with an
extra fold. rested in round dish
* REMEMBER to feed / mix lev
for next loaf currently mom @ 185g
need lev @ 188g

19/2 MYCELIUM UPDATE
8/2 dishes (samples taken from freezer)
only 1 out of 6 has growth #3
have left them longer to see (pleurotus)
if any more happens.
13/2 dishes (incub 2) from fridge sample
9-2-17
great growth ✕
13/2 dishes - samples taken from
oyster mushroom
incub 4 in temp & a bit of light
incub 2 warm & dark.
about the same growth between the 2
incubators
• grown in coffee substrate has grown into
the coffee

Project

_layouts

_posts

2019-01-28-Hello-World.md

2019-01-29-Biosafety.md

2019-02-03-The sterile hood.md

2019-02-04-First day in the Lab.md

2019-02-05-Arduino.md

2019-02-11-Isolating-yogurt-bacteria.m

2019-02-12-Isolating-bacteria.md

2019-02-18-isolation-experiment.md

2019-02-19-Microscopy.md

2019-02-20-Plant-Tissue-culture.md

2019-02-21-Webcam.md

2019-02-25-Plant-Tissue-Culture-wee

2019-02-26-Mystery-Meat-Experiment-12

2019-02-25-Plant-Tissue-Culture-week2...

1

2

layout: post

3

title: Plant tissue culture Week 2

4

5

6

Weekend Growth

7

8

![day1_day3]({{site.baseurl}}/images/project_work/day1_day3.jpg)

9

10

On friday I prepared my tissue culture in the most sterile environment I could manage, I autoclaved my tweezers, forceps and blades and wiped down everything with 70% ethanol before putting it in the sterile hood. I did find the sterile hood a bit small and dark for my work.

11

I have been thinking about tweaking the current design for when i manage to make my own one : making the top and bottom from acrylic so it's easier to see through and keep clean. I would also like to make a bigger one.

GitHub

Git

Unstaged C...

Stage All

Untitled

incubator cut sheet

Staged Chang...

Unstage All

No changes

See All Staged Changes

Commit message

GoToMeeting

Netherlands Code of

BioHack Academy 6

BioHackAcademy/BH

Fablab Amsterdam /

Candycy - BioHack

https://dcandycy.github.io

Today i started the bio part of my project - I'm going to grow plants in dishes. Starting with cauliflower, as it grows...

READ MORE

Looking through the microscope

Microscopy Workshop

PLANT TISSUE

Basic Plan

Tumblr

We are all

Do It Toge

Starbeast

myo-inos

naa chem

MES (buff

https://ditsci.tumblr.com

Do It Together Science

research blog for BHA6

MICROPROPAGATION, GRAFTING, AND LAYERING:
CLONING YOUR PLANTS A DIFFERENT WAY

(Source: growace.com)

Feb 27, 2019

The Slime Mould Collective →

SLIMOCO brings together artists, scientists and others interested in slime moulds

How to Propagate Roses Using Potatoes →

Potatoes provide just the right amount of nutrients and moisture to rose cuttings, allowing them to develop healthy roots.

Mar 04, 2019

Preparation of MS Medium From Stock Solution →

98 - Gray Lens....zip

31 - The Starszip

Plants_From_Te....pdf

Show All

Domesticated biotechnology, once it gets into the hands of housewives and children, will give us an explosion of diversity of new living creatures, rather than the monoculture crops that the big corporations prefer. New lineages will proliferate to replace those that monoculture farming and deforestation have destroyed. Designing genomes will be a personal thing, a new art form as creative as painting or sculpture.

Freeman Dyson ; *Our Biotech Future* ;2007