

field notes

BARN - LAB:

- * to work with living matter
- its necessary to work with death
- * How to be ok with this

↑ D. Haraway
 (to mourn art or to mourn life for art)



) TAKE CARE OF DEATH

\ TAKE CARE OF LIFE



- Keep the bacteria in "good" conditions to work with it

replicate the conditions of the living matter

How?

(what does "replicate" mean?
 → ("cultural") environmental appropriation?



SAFE SPACE FOR OWLS (AND PIGEONS)



"SAFE" SPACE FOR BACTERIA

RECIPE TO REPLICATE "ENVIRONMENTAL" CONDITIONS

x boil potato skins (bacteria and

micro organisms will like it)

→ ?

what about the other conditions? -emotional?

TAKE CARE of the pigeons, bacteria, potato and my emotions while working with (around) them.



→ Eyes of the potato its looking at me.

Recipe for nutrients:



boil the nutrients

↓
with agar

veggie soup

lavender from garden

vegan protein banana flavour

milk

wine

period blood

white sugar

tomato
potato
onion
beets

what about the calve, the mother cow, and the future of the earth?

maria & sofia

1/3 of the women in every social group is on their period



Leonora Cavinifton
woman / octopus

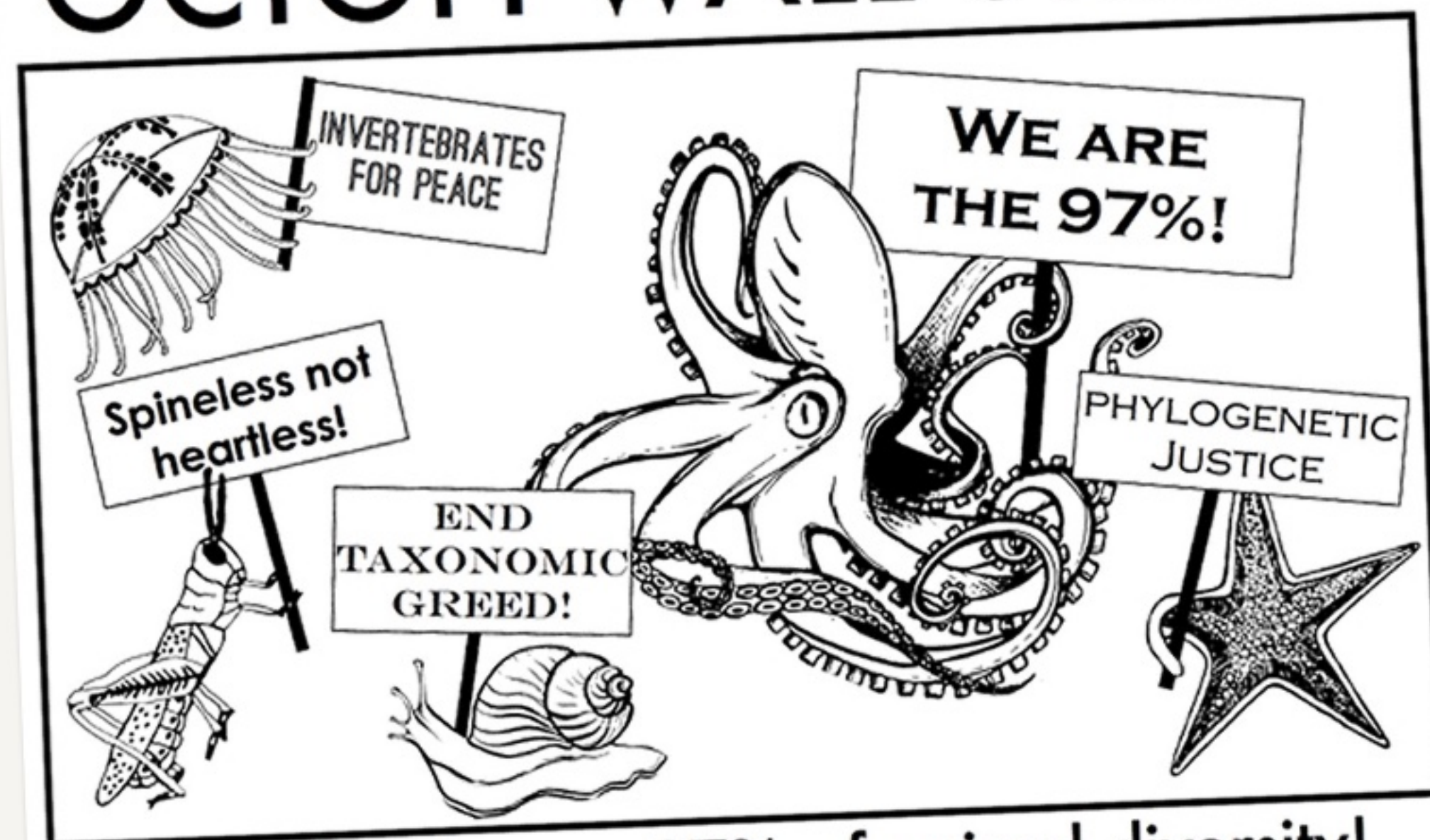
TENTACULAR THINKING

levels of communication
language



field trip - Cotovamo Cultura 21

OCTOPI WALL STREET



Invertebrates are 97% of animal diversity!

Brought to you by Oregon Institute of Marine Biology, University of Oregon

Humans are the entitled minority in the face of the sixth great extinction. Copyright: Oregon Institute of Marine Biology, University of Oregon

The tentacular are not disembodied figures; they are cnidarians, spiders, finery beings like humans and raccoons, squid, jellyfish, neural extravaganzas, fibrous entities, flagellated beings, myofibril braids, matted and felted microbial and fungal tangles, probing creepers, swelling roots, reaching and climbing tendrilled ones. The tentacular are also nets and networks, it critters, in and out of clouds. Tentacularity is about life lived along lines—and such a wealth of lines—not at points, not in spheres. “The inhabitants of the world, creatures of all kinds, human and non-human, are wayfarers”; generations are like “a series of interlaced trails.”

What 10% of life are humans? women?

donna haraway

ANTHROPOCENE

Humans physically altering layers of rocks
sites for critical intervention:

1. physical locations
 2. Social and institutional contexts as condition for cultural production
 3. Identification of discursive spaces
- Atmosphere as host of the material residues of the digital spaces





→ wine intended for ^{adult} humans

→ lavender intended for bees ♡

→ new house for organisms that will now feed on cow milk and agar.

↓
intended for baby cows

↓ new house for organisms that will now feed from period blood
↳ intended for baby human's environment

YA ESTA

FISH / WOMAN

CHANGE IN PERSPECTIVES



ANTS CLIMBING A PINK KNOTED THREAD

SCIENCE FICTION DOES NOT TALK ABOUT
THE FUTURE BUT ABOUT THE PRESENT IT IS
WRITTEN IN.

Shift in perspective

Empathy

IDENTITY related to the shift in perspective

Trying to understand the perspective of another

You always understand yourself through understanding another

Anything that triggers the shift in perspective is stimulating - mind is challenged to understand it from a different perspective

MARTA'S PRESENTATION

Shift in perspective

Empathy

IDENTITY related to the shift in perspective

Trying to understand the perspective of another

You always understand yourself through understanding another

Anything that triggers the shift in perspective is stimulating - mind is challenged to understand it from a different perspective

Whose identity?

can I really understand any other identity besides my own?

How far?

What am I willing to trigger to feel the stimulation?

How far away from humans?
women?
animals?
vertebrates?

Whose perspective am I changing?

ELEMENTS OF CARE - THE NON-HUMAN ANIMALS

WHAT ANIMALS DO I CARE FOR AND WHY?

animals humanized / do I see them as humans because I love them?



CATOR CE- MUSEUM



THE KING OF S. LUIS



Do the ants also deserve a crown?

ON ANIMAL-STUDY

animals' house



dead animal



wolf made of cows' skin

animals feather / clothing



animals' nests



animals' eggs

plastic animal

animals bone

animal made of a dead tree



Living animal



FISH / WOMAN

Presentation by
Kira and
Christina



How to care for the fish
Homing behaviour - living conditions
ECOLOGY

How to use the river - gain back the knowledge

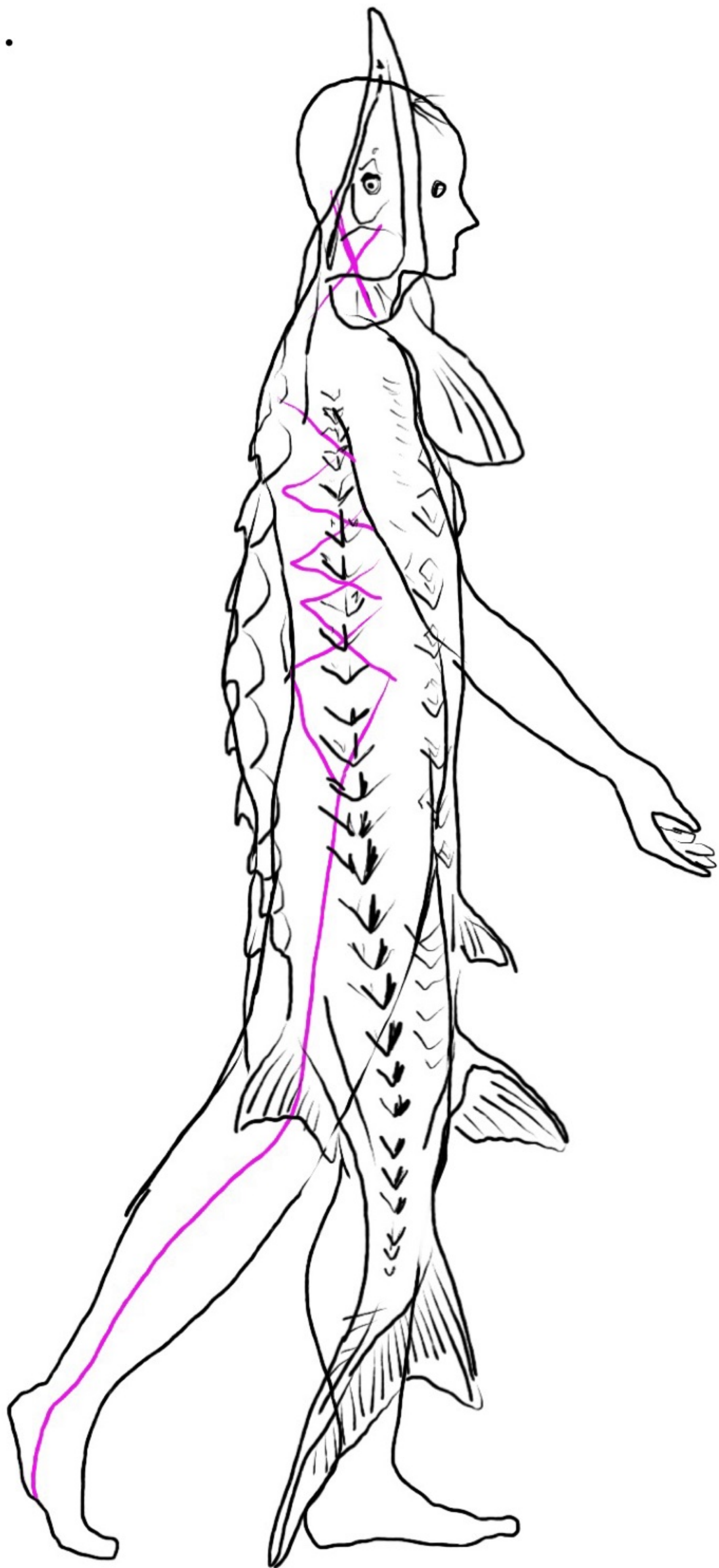
Not being extractive but observing and studying the environment
of the fish

How to make
them feel at
home



Similarities between human fascia (liquid, moving) and fish.

(We also have stones inside our ears, like every other animal with a bone structure)





Marta with gills.

↓. a woman
is also a
fish



the man from Atlantis

2. Woman replicates a fish

Tools to be move
like a fish/
Woman

dress under
water ←

see under
water ←

move
under
water ←



FISH - ADA

layers of rock
→

What rocks am I altering?

ANTHROPOCENE
Humans physically altering layers of rocks sites for critical intervention:
1. physical locations
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Atmosphere as host of the material residues of the digital spaces

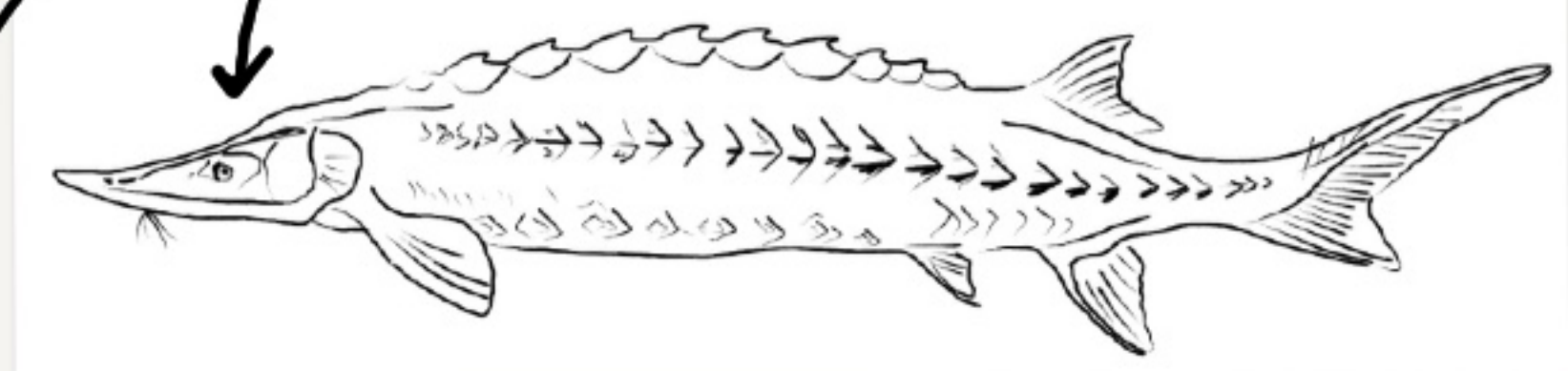
also the sturgeons otolith?



human feet and paper (made out of calcium carbonate)

same materials

ANTHROPOCENE
AS SEEN IN
OTHER
SPECIES



LANGUAGE:

SELF - MISMO

WHAT IS THE EXTENSION OF THE SELF?

suelo

ANIMAL SELF

TERRITORY - TERRITORIO
Tierra - earth

piece of earth (soil)

PROPERTY - PROPIEDAD
propio - own

(ANIMAL TERRITORY)

MY OWN

IS IT POSSIBLE TO OWN TERRITORIES?

CONSENT - CONSENTIMIENTO

WHAT CONSENT IS IT POSSIBLE TO GIVE?

(ANIMAL CONSENT)

HOW TO TEACH CONSENT

UNITY - UNIDAD
UNO - ONE

ONE - TOGETHER

WHAT

UNIT - UNIDAD
UNO

AM I EVER A UNITY mentally - emotionally?

(ANIMAL INDIVIDUAL)

INDIVIDUAL - individuo
in-dividible

not possible to divide

does this exist? →

I'm multitudes but so is every creature
ATOM → single unity
NOT REALLY

LANGUAGE:

SELF - MISMO WHAT IS THE EXTENSION OF THE SELF? suelo

TERRITORY - TERRITORIO ANIMAL SELF
Tierra-earth piece of earth (soil)

PROPERTY - PROPIEDAD (ANIMAL TERRITORY) IS IT POSSIBLE TO OWN TERRITORIES?
propio-own MY OWN

CONSENT - CONSENTIMIENTO WHAT CONSENT IS IT POSSIBLE TO GIVE?

UNITY - UNIDAD (ANIMAL CONSENT) HOW TO TEACH CONSENT
uno-one ONE-TOGETHER WHAT

UNIT - UNIDAD CAN I EVER A UNITY mentally-emotionally?
uno

INDIVIDUAL - individuo
in-dividible

(ANIMAL INDIVIDUAL)

not possible to divide

does this exist? →

I'm multitudes but so is every creature
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NOT REALLY



FIGHT FOR WHAT LAND?

WHAT IS PORTUGAL?

IS THIS AN INDIVIDUAL?

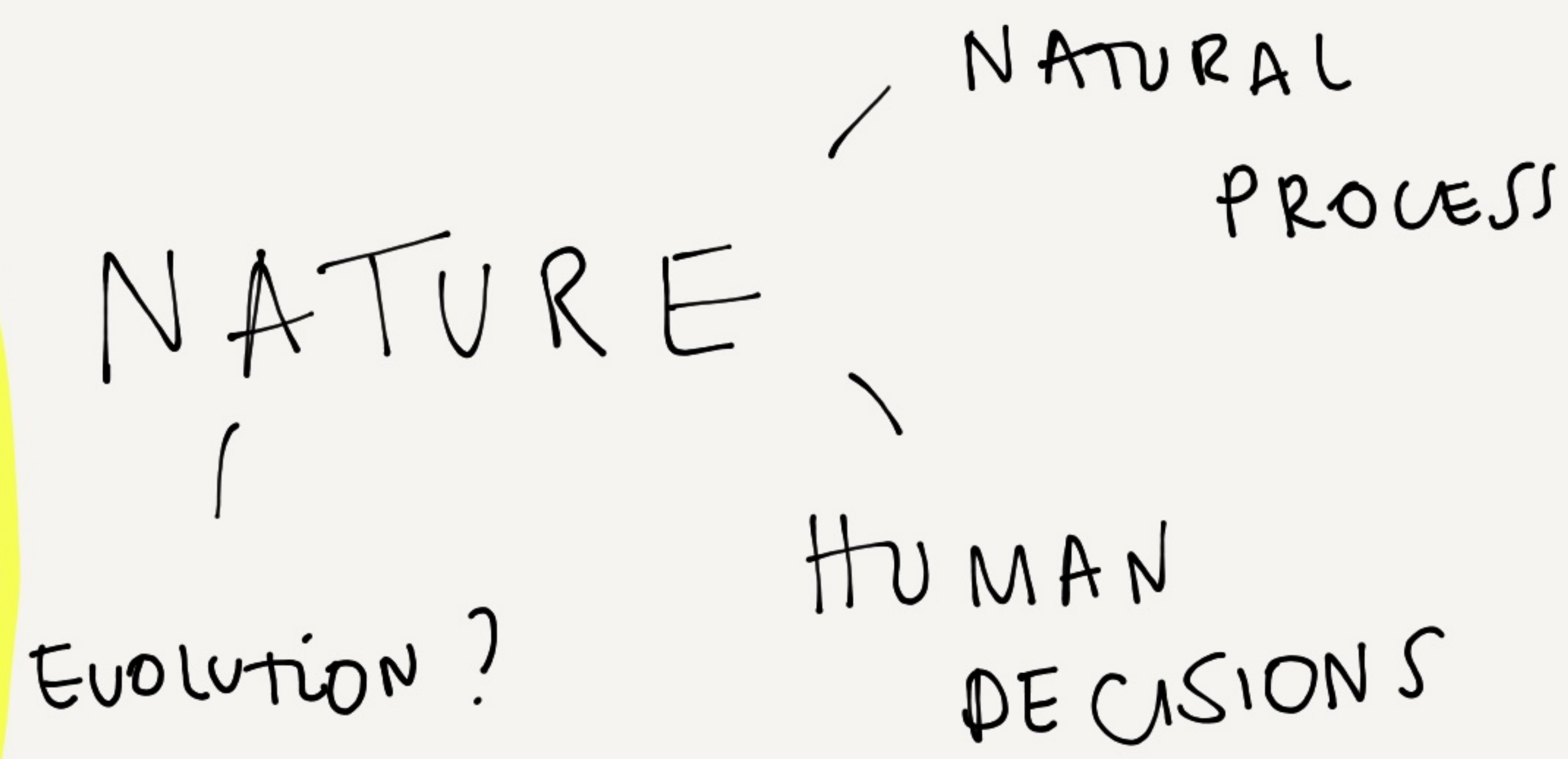


TWO FRIENDS HANGING OUT

ROMANTIC Idea of Nature

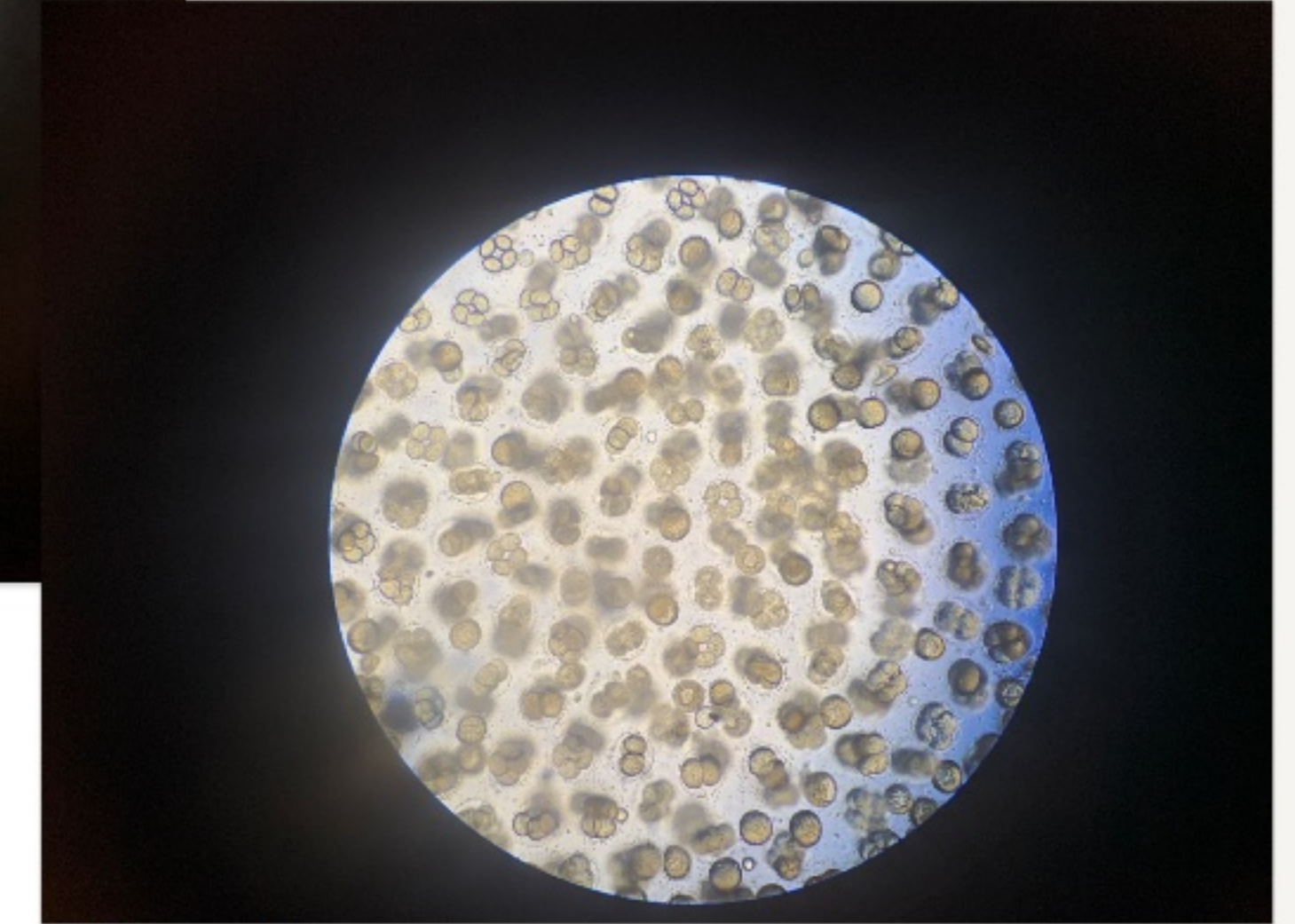
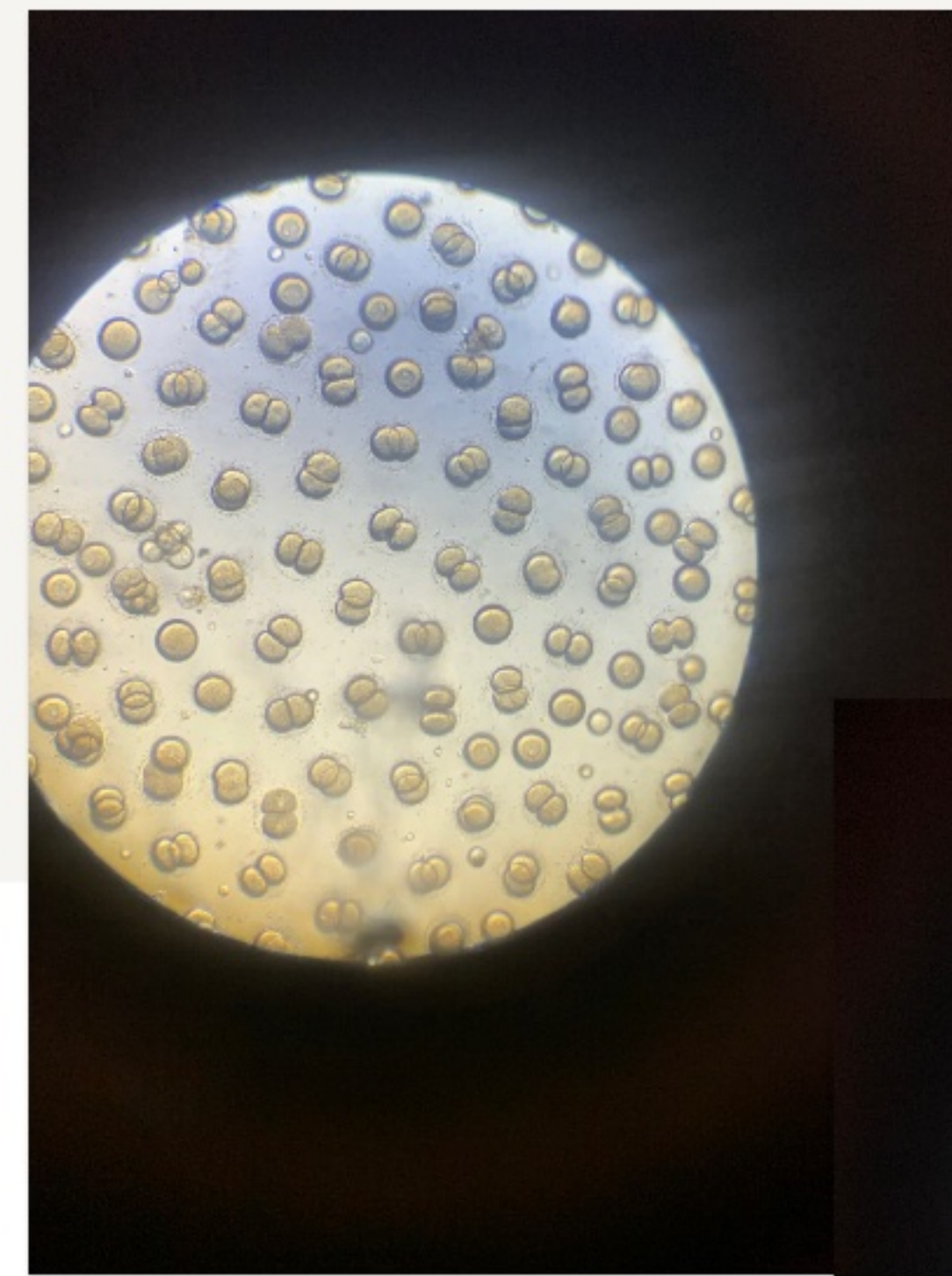
- wilderness, wild, chaos

↓
scary



WHAT ISN'T IS
NOT NECESSARILY
HELPING YOU
DECIDE / FIND OUT
WHAT IS

"human centered way of understanding
pain"



cell / division

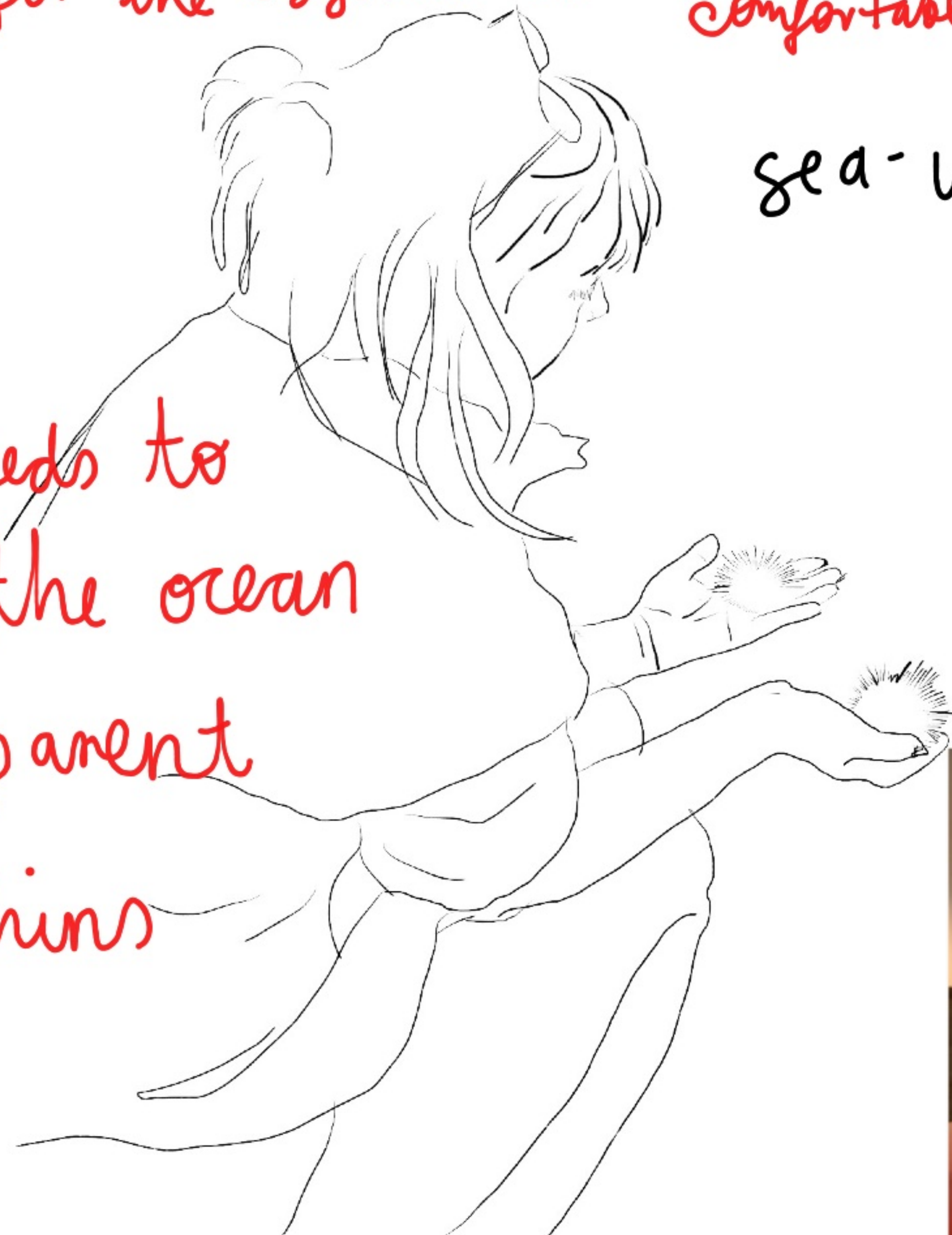
waiting for the eggs / semen

comfortable

sea-urchins / human babies

excitation

woman needs to
become the ocean
to co-parent
sea-urchins



transport



THE UN-LOVABLE OTHER

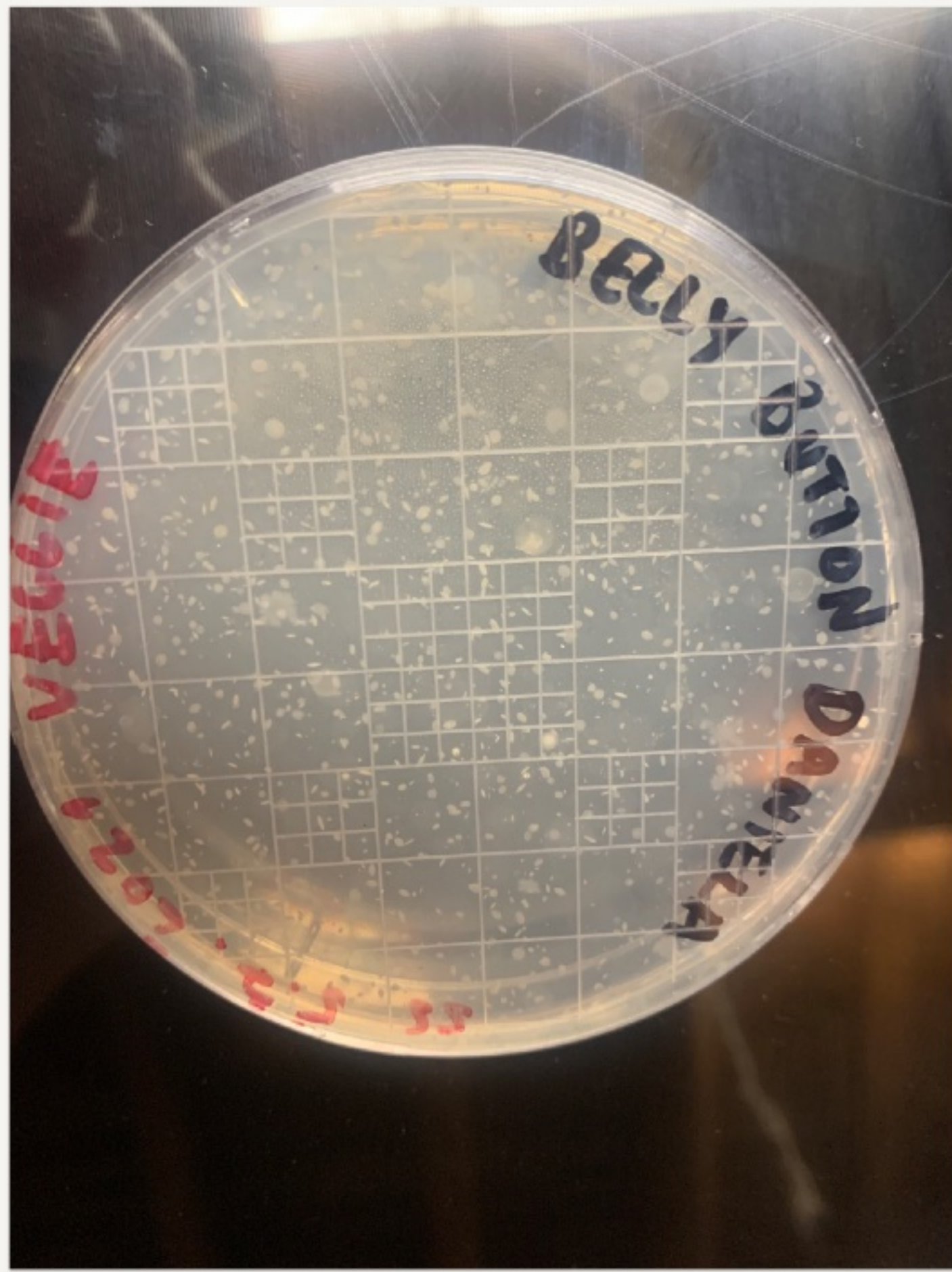


how similar do we
have to be for me to
love you

- Nature
- Society
- Species



bacteria



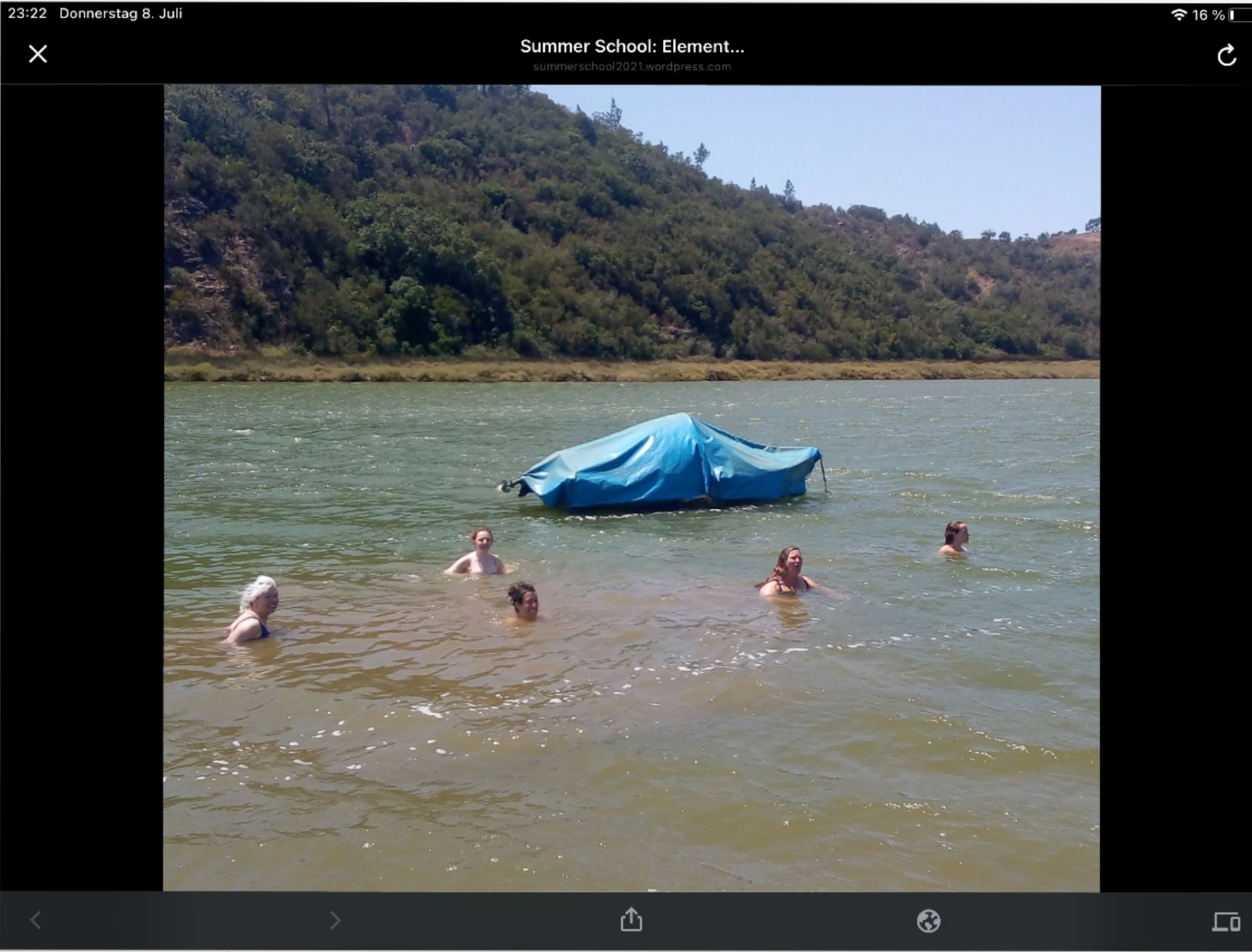
To gestate
another species

(882 htdms) shark [empty egg]



bird





fish - women:
only the women went for a
swim in the river - woman
MIRA

Christina listening to
the sea

picture by Leticia
Rebecca, Daniela, Marta,
emma, Sofia
fish/women

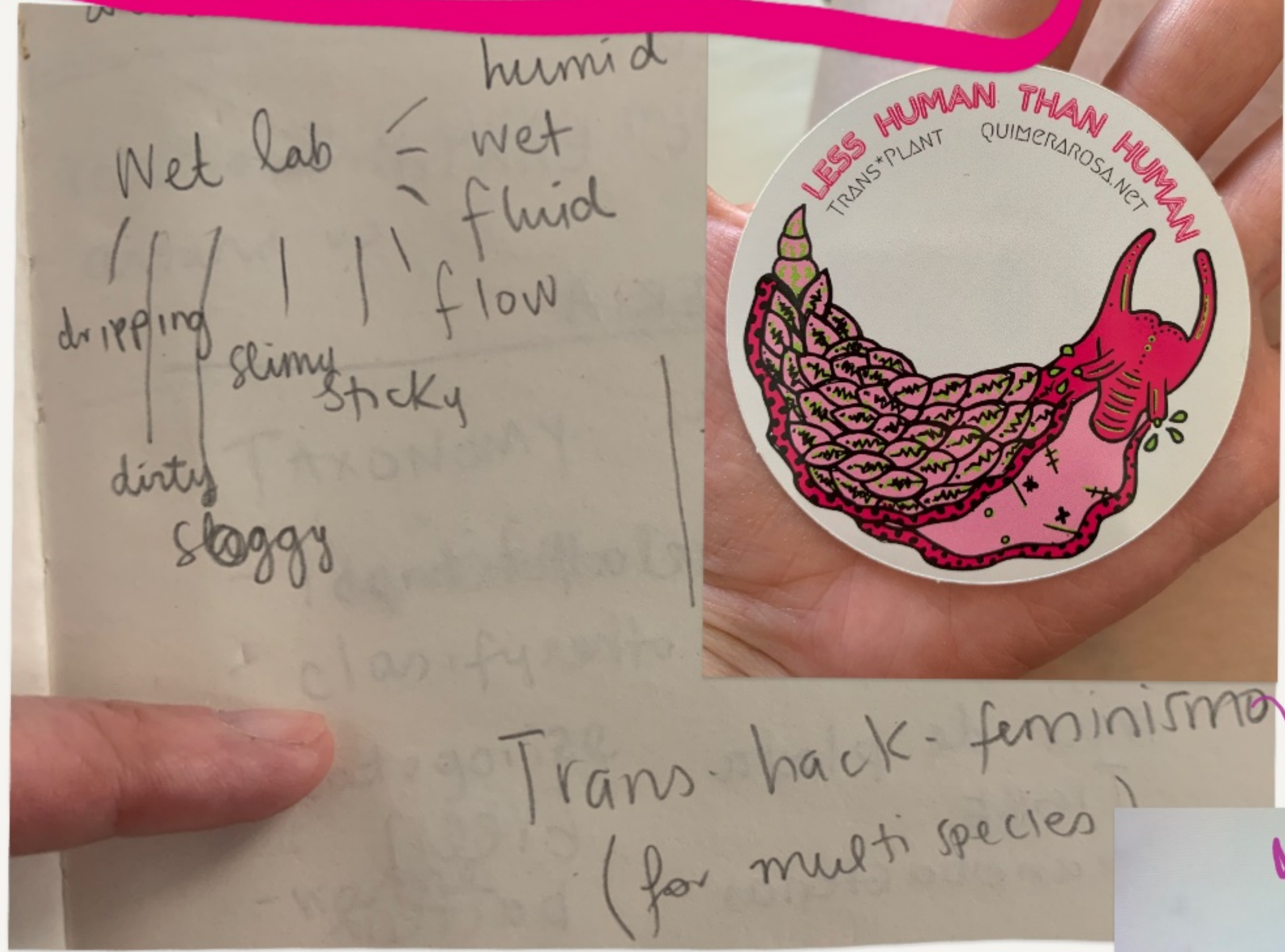


fish - woman
understands the
water language

WET LAB

CE QUIMERA
GAIA LEANDRA

„THE WETLAB IS A SPACE WHERE HYBRID INTERACTIONS THAT DISRUPT THE LIMITS GENERALLY ESTABLISHED BETWEEN ART AND SCIENCE TAKE PLACE UNDER A TRANSHACKFEMINIST PERSPECTIVE AND THROUGH A CRITICAL REVISION OF SCIENCE AS AN INSTITUTION“



quimera rosa

BioXeno

Lynn Margulis ♡

Symbiotic earth

Xeno bacteria

interspecies relationships

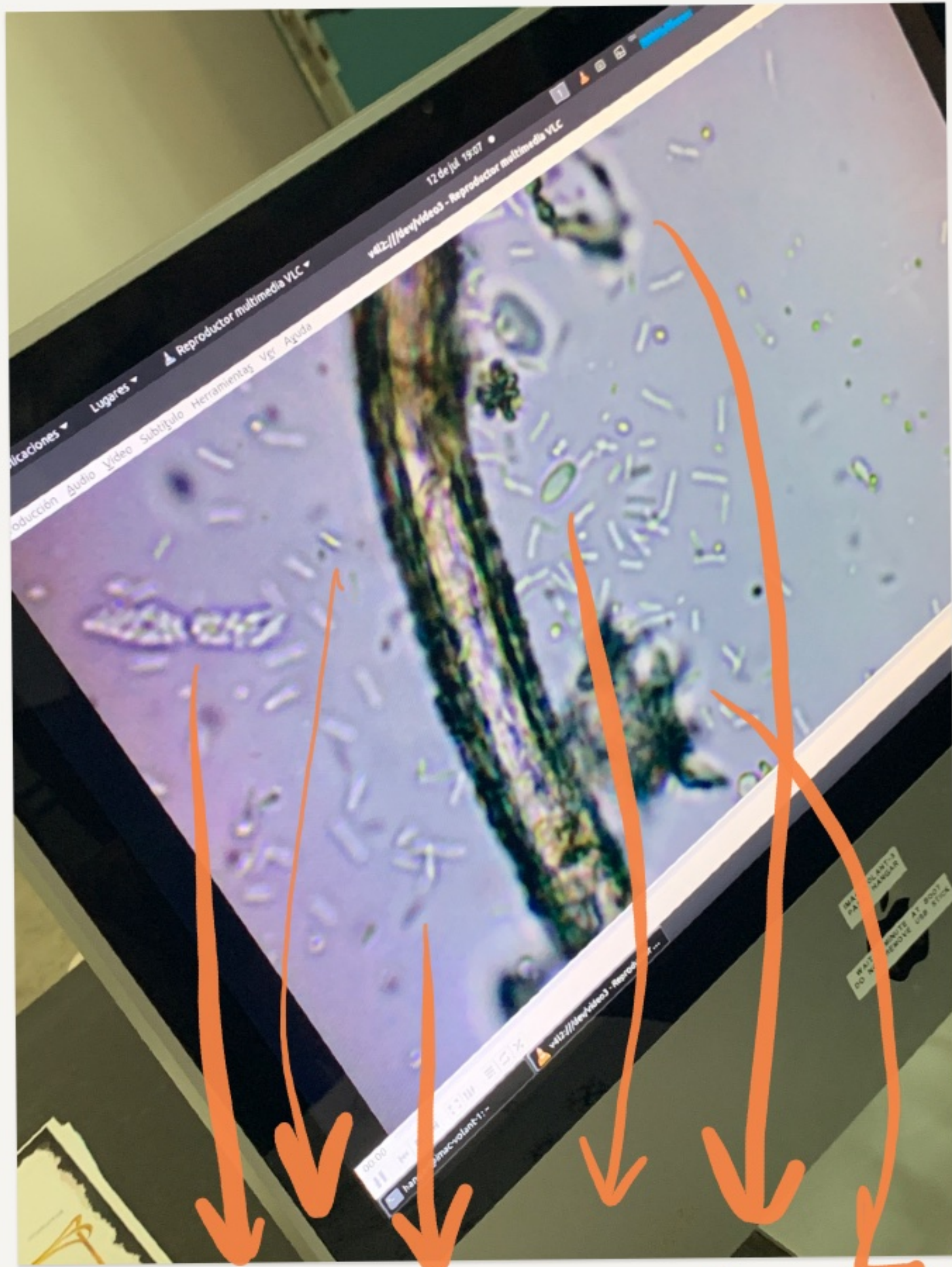
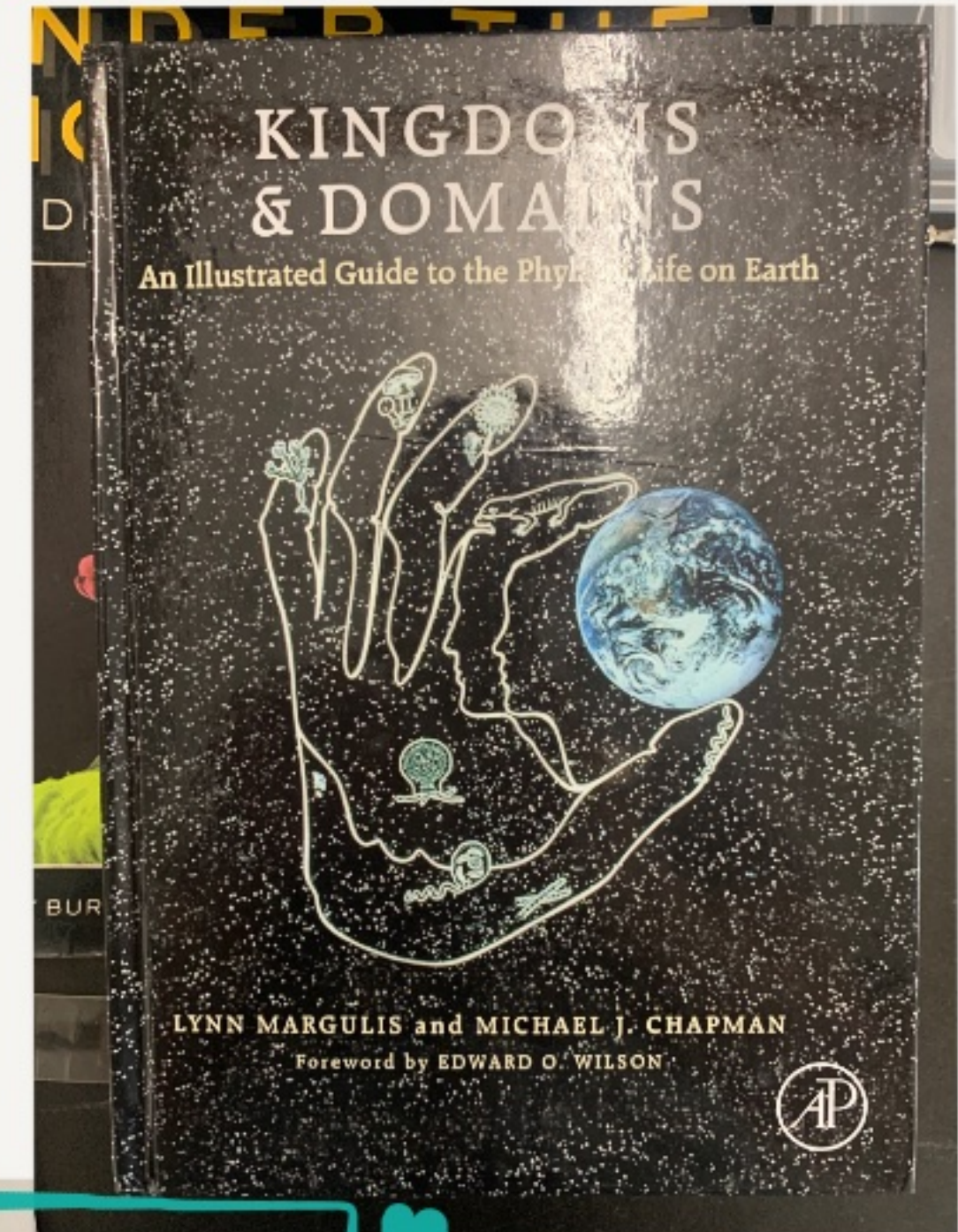
HOW TO RELATE TO THE OTHER

Will I ever be able to tell you (in your language), how I feel about you?





TAXONOMY AND THE QUEER ATLAS



queer atlas

linnaeus - race classification

process of classification of knowledge

"common sense is very conservative"

bacteria sex

domination and colonial relationships

how we use science

take the tools and change the use.

taxonomía es abierta colaborativa pero no abierta.

What is sex - Lynn Margulis

Comparison v. quarantine

des-identification

Standards

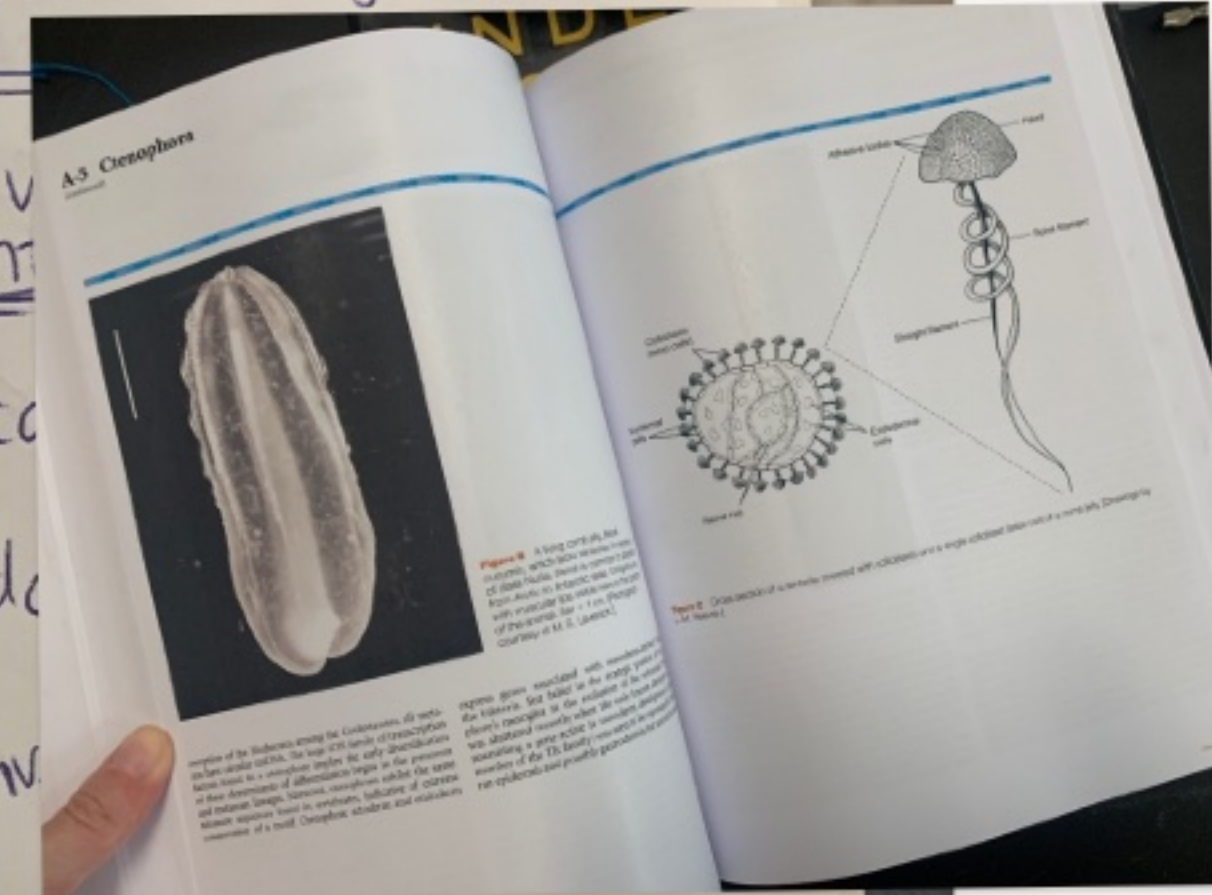
the inv.

WITCH-SCIENTIST

Scientific institution is looking for the truth

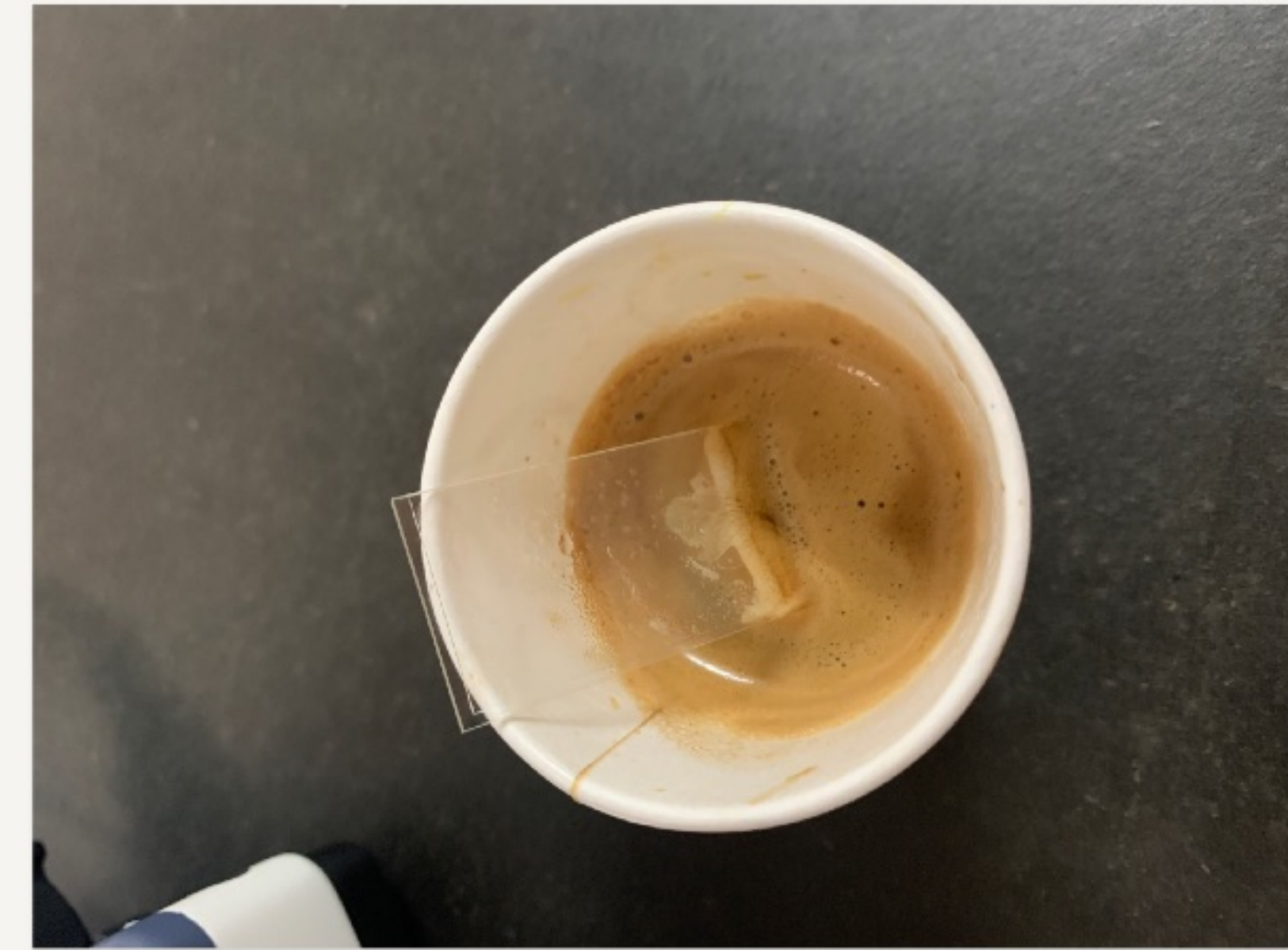
Scientist observes the universe

- structure
- hierarchy
- capital



WHO ARE YOU?

Collecting samples around Hangar to look for organisms for the queer atlas



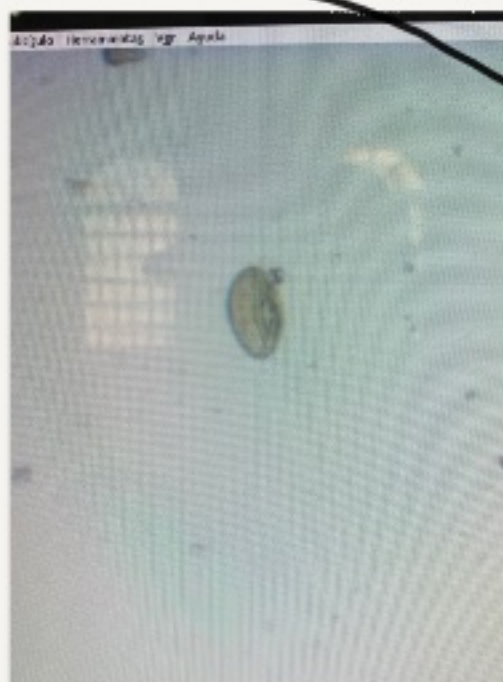
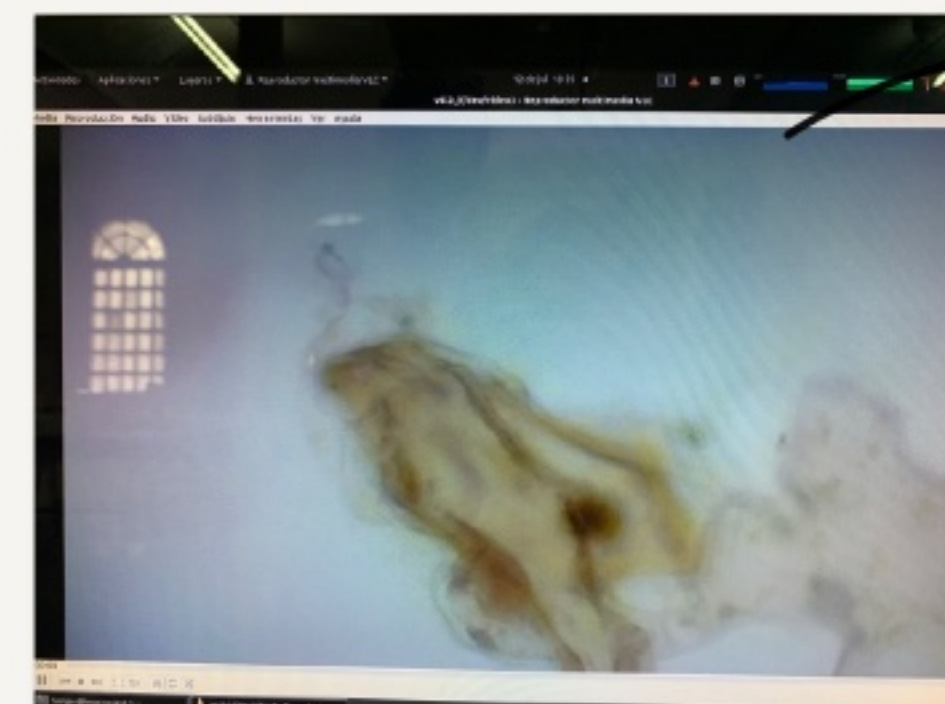
Handwritten notes on a page with a clear plastic bag and a vial. The vial is labeled 'daniela' and contains a brown liquid. The plastic bag is divided into sections with labels: 'Feather-Hangar, Hair-gummi-Playground', 'red flowers - park entrance, seeds - sauce lloron', and 'red dots - park center'. The bottom section of the bag contains a feather, a hair-gummi, and some seeds. Arrows point from the notes to the corresponding items in the bag and vial.

Labels on the page:

- ↑ "Soup" of all components + water from the fountain
- ↑ PARK CENTER
- ↑ "Dead" flower of unknown tree
- ↑ PARK CENTER
- ↑ Feather-Hangar, Hair-gummi-Playground
- ↑ red flowers - park entrance, seeds - sauce lloron
- ↑ red dots - park center
- ↑ PARK BACK
- ↑ dried seeds of "sauce lloron" (can last up to 200 years asleep)
- ↑ animal component: feather of dead bird outside Hangar
- ↑ human component "hair-gummi" (why are human-objects considered gross?) → PARK/PLAYGROUND
- ↑ Red-dots seeds still alive

SAMPLE:

- ANIMAL COMPONENT → FEATHER
- HUMAN COMPONENT → HAIR-GUMMI
- PLANT COMPONENTS → FLOWER, SEEDS



TAXONOMY AND THE FISH / WOMAN

* LANGUAGE! words with multiple meanings!

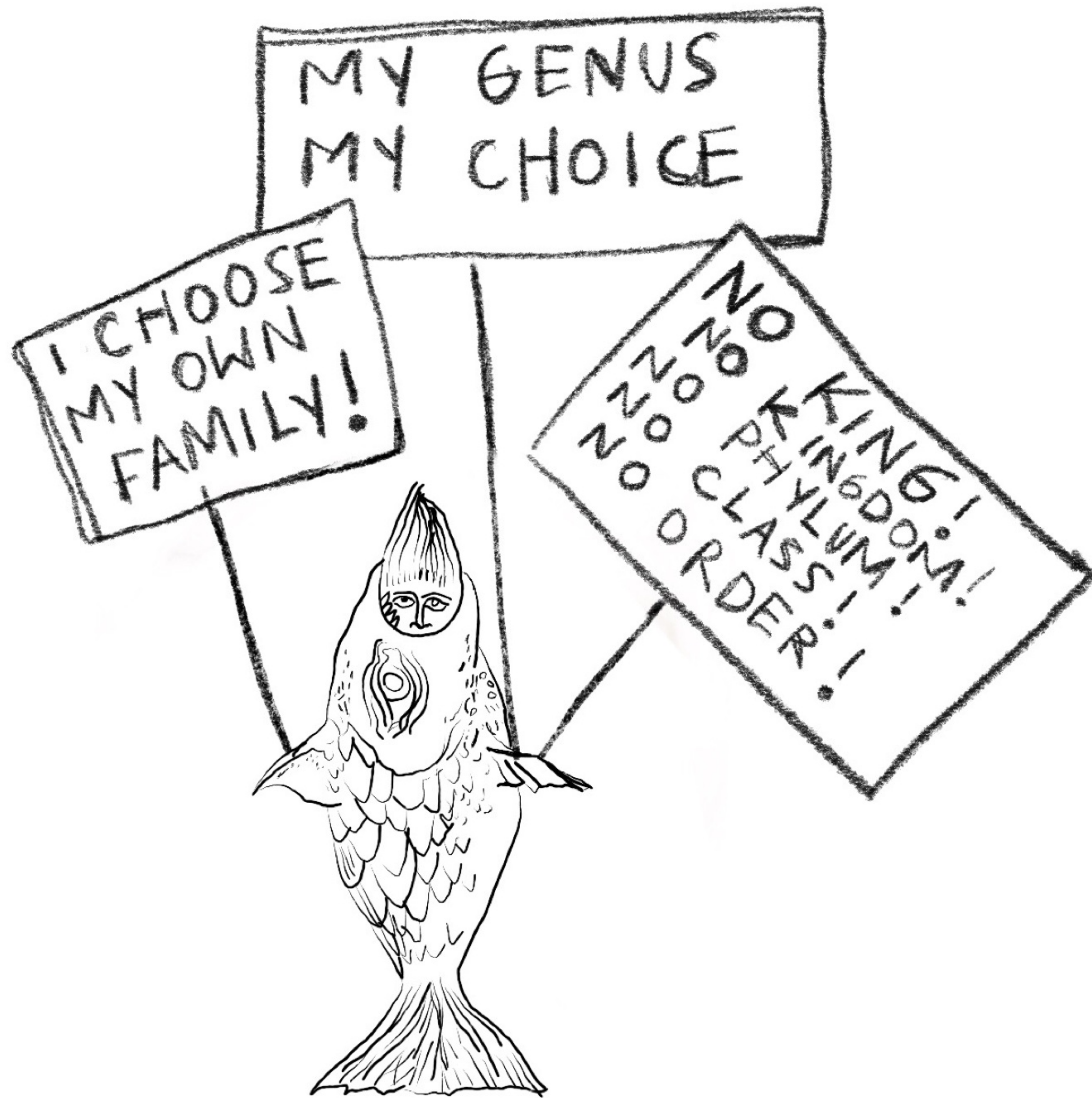
- KINGDOM
- PHYLUM
- CLASS
- ORDER
- FAMILY
- GENUS
- SPECIES

DARK TAXA!
(comparison to dark matter or dark genes)

ACADEMIC CENSORSHIP IN TAXONOMY!
"THE INTEGRATIVE FUTURE OF TAXONOMY"

* THE FISH / WOMAN NEEDS NO KING!
* SHE CHOOSES HER OWN FAMILY!
* DOESN'T BELONG TO ANY CLASS OR ORDER!

THE QUEER SIDE:
SOCRATEA ELYSIA
EUGLENA
plants that don't do photosynthesis
moving organisms that do.



Based on the drawing by Leonora Carrington
The fish/ woman does not need western
Taxonomy to tell her who she is

The earth cries

RIVER

TAKING CARE OF
THE PLANET THROUGH
DIY

HACKING

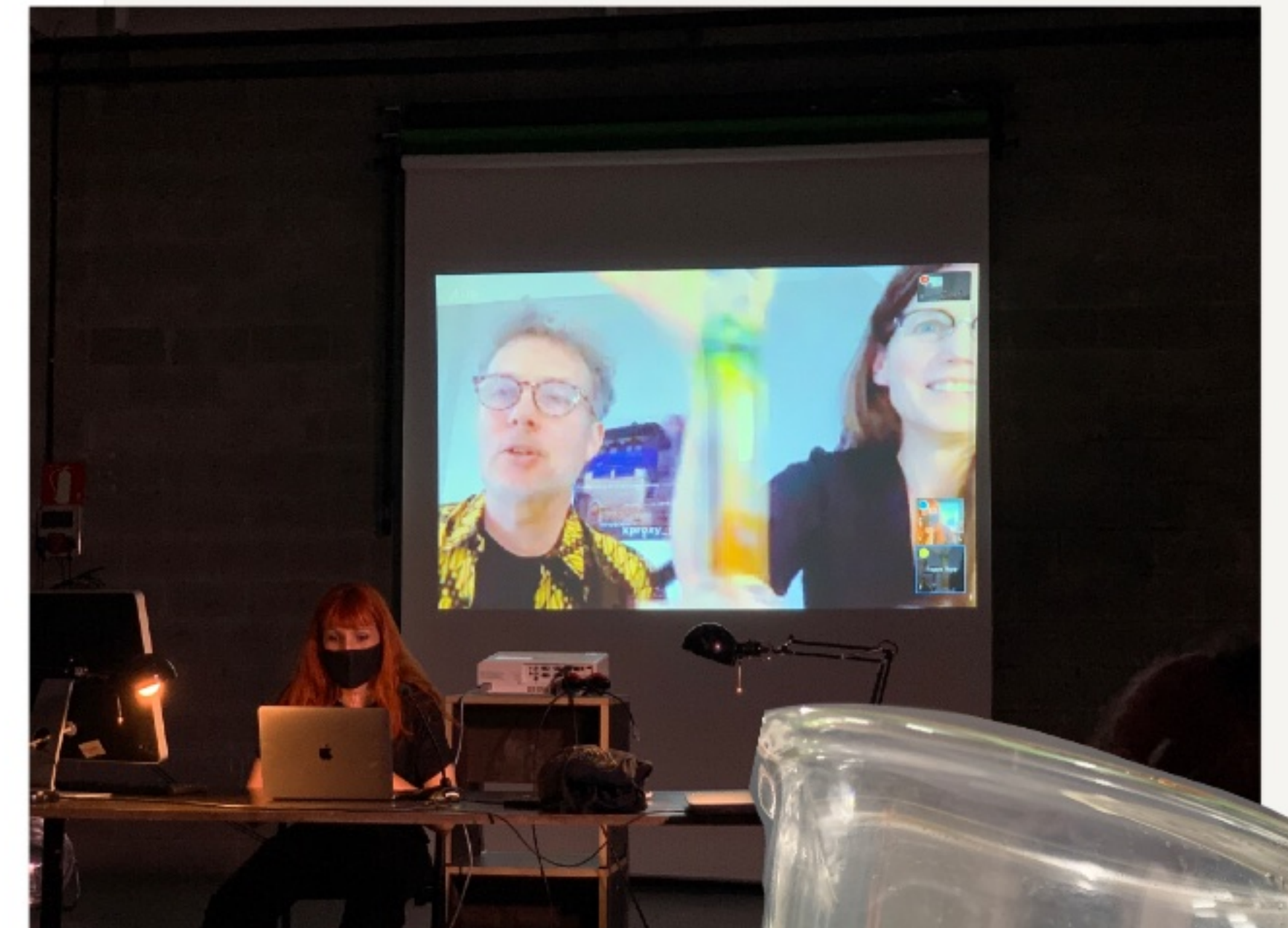
STUDIES

RADICAL ECOLOGIES

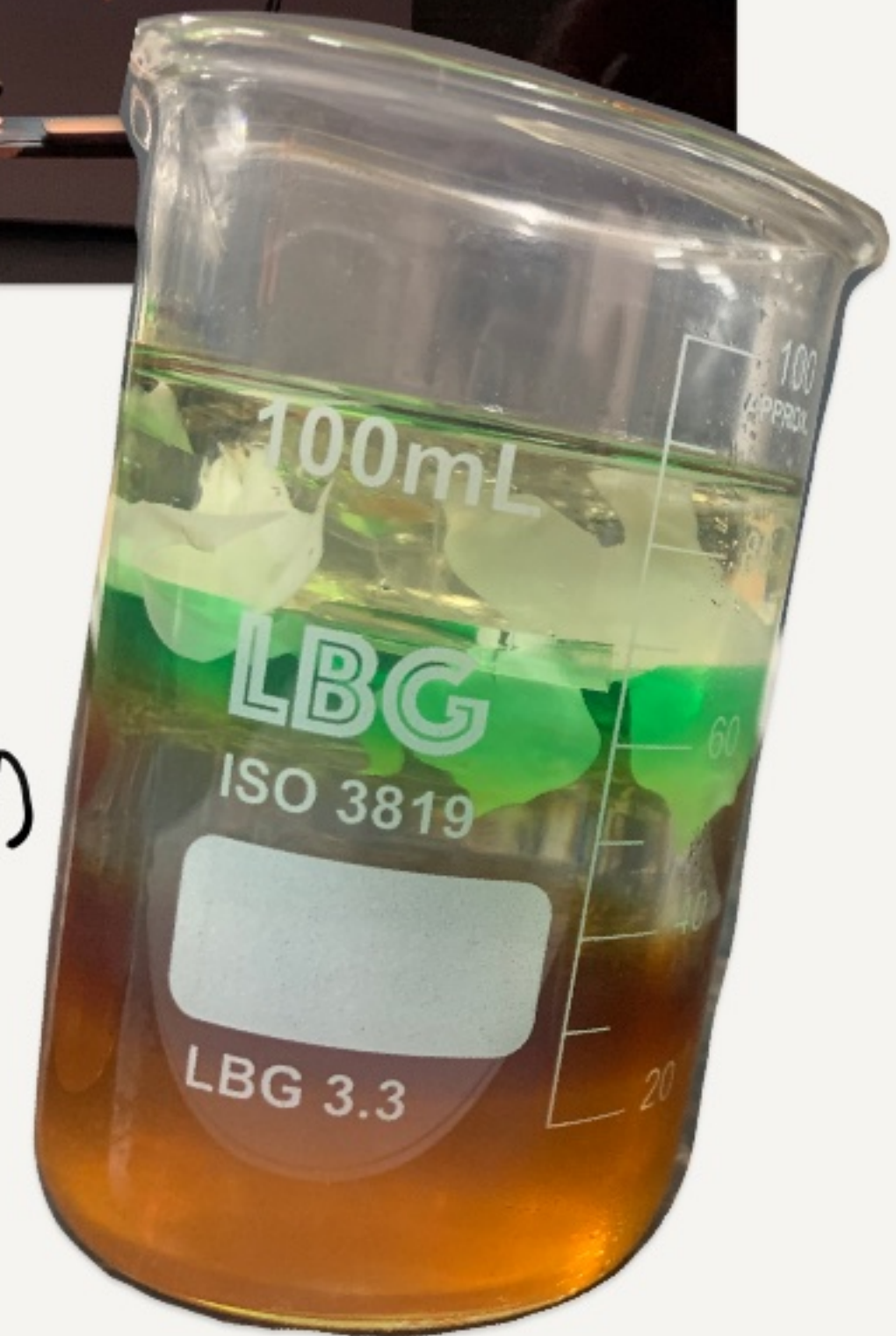
(the
water
too)



GAIJA LOOKING AT
BESO'S-RIVER



Density
columns to
study plastics
density





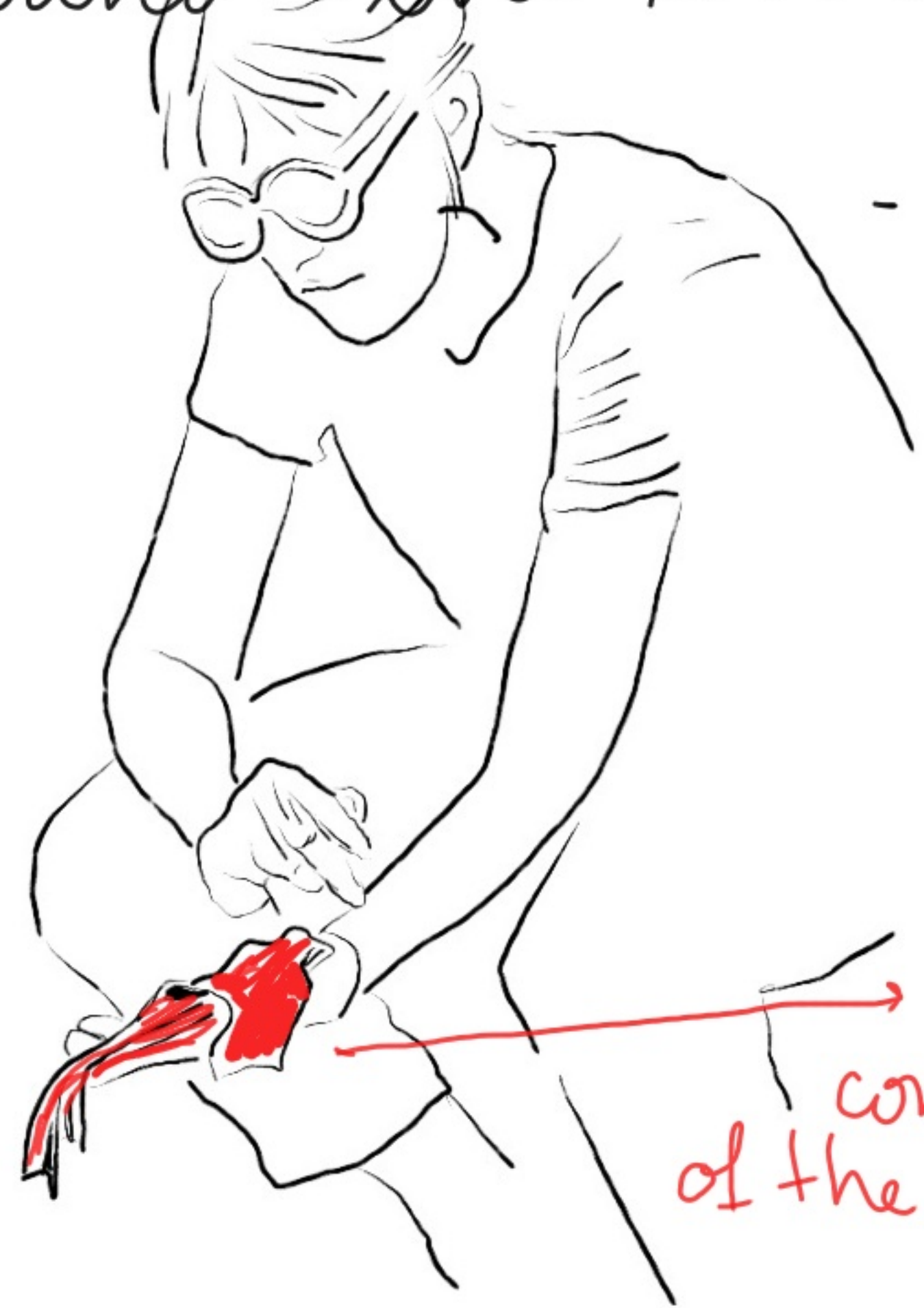
↓ soil
↓ water
↓ chlorine



literal anthropocene

analysing the soil around the river

- laura



cleaning
wipes,
common part
of the soil

smell: chlorine,
petroleum, rotten



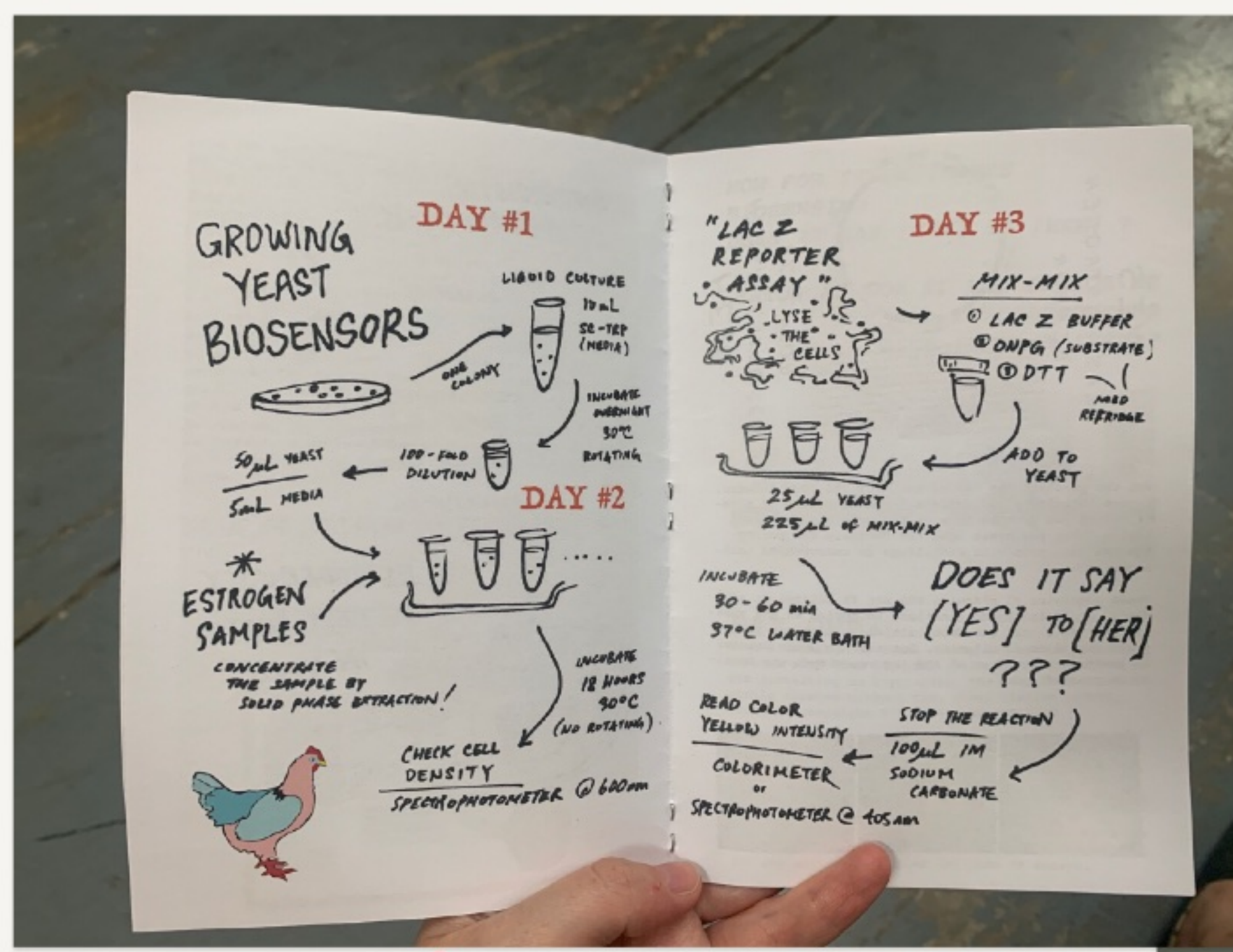


life amongst
a polluted river



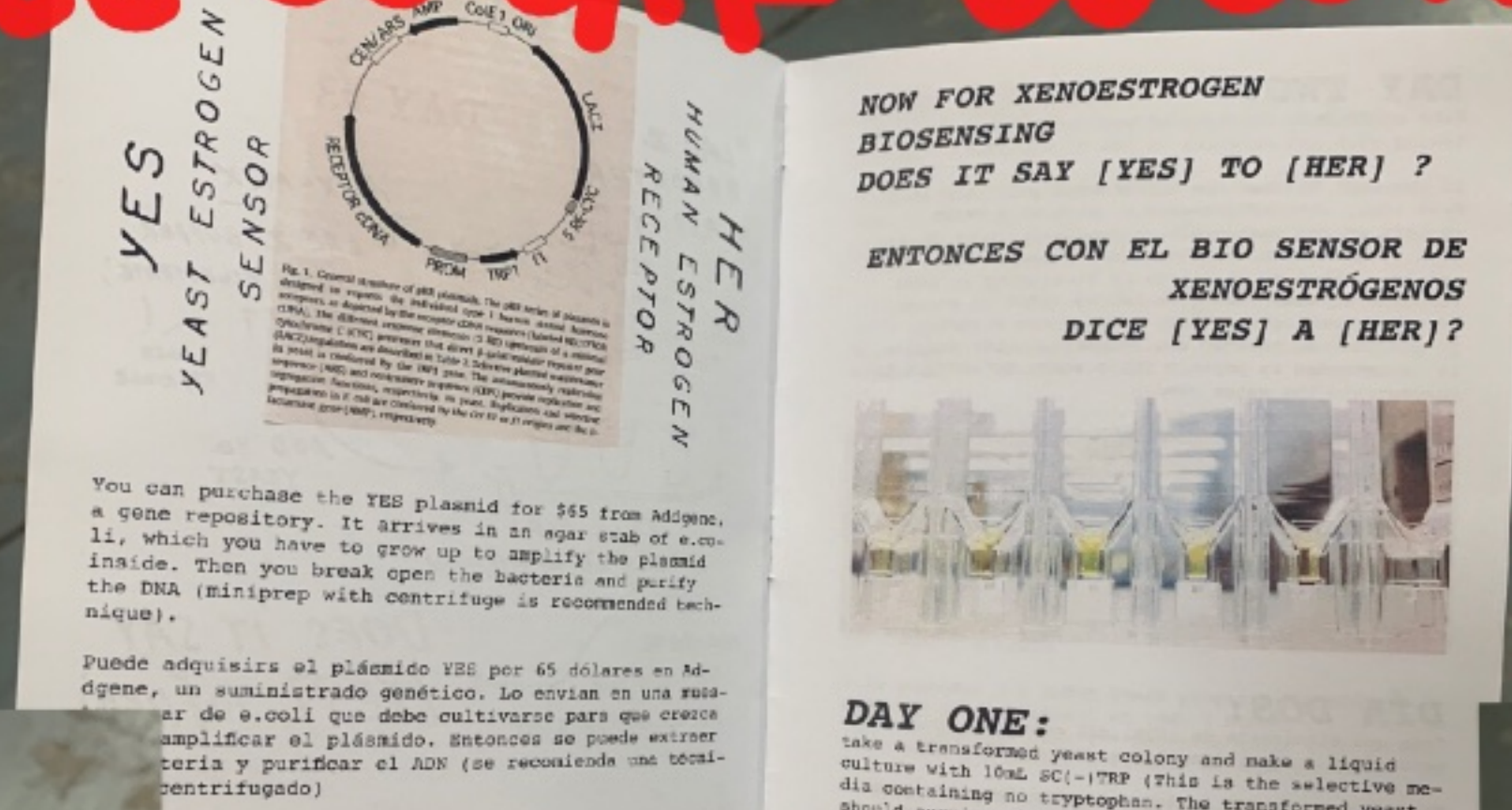
how does a fish/woman live here?

XENO WATERS
DETECTION
RIVER
GYNECOLOGY



whatever affects the river affects the fish/woman

MOLECULAR COLONIZATION



Capítulo 4/Chapter 4
 CAN WE EXTEND FEMINIST HEALTH CARE TO BODIES OF NON-HUMAN SPECIES, CREATING A SORT OF GYNECOLOGICAL CLINIC FOR WATER BODIES?
 ¿PODEMOS EXTENDER EL AUTO CUIDADO FEMINISTA A LOS CUERPOS DE ESPECIES NO HUMANAS, CREANDO UNA SUERTE DE CENTRO GINECOLÓGICO PARA CUERPOS ACUÁTICOS?

MOLECULAR COLONIZATION
 Male Frogs May Be Turning Female Thanks to Estrogen in Suburban Waste
 Packed Fresh with Hormone Disruptors

because endocrine disrupting compounds are usually found in minimal amounts (ng/L³) in the water, one of the most common techniques for their detection is liquid chromatography-tandem mass spectrometry (LC-MS). But this approach is very expensive to perform on a routine basis, requiring both skilled personnel and a robust quality assurance/control program. Maybe biology is the answer... The YES yeast are a genetically modified strain of *Saccharomyces cerevisiae* (W303) that contain Human Estrogen Receptor (HER). They act as a biosensor: the input is estrogen and the output is a yellow color change. Basically, the YES yeast are extensions of our bodies: what binds to their receptors also bind to ours. This bioassay detection method is more sensitive than the chemical approach either detecting estrogenic target compounds at lower concentrations, other non-target compounds, and synergistic effects that chemical methods and machines fail to detect.

ESTROGENICITY IS BEST TESTED IN VIVO!

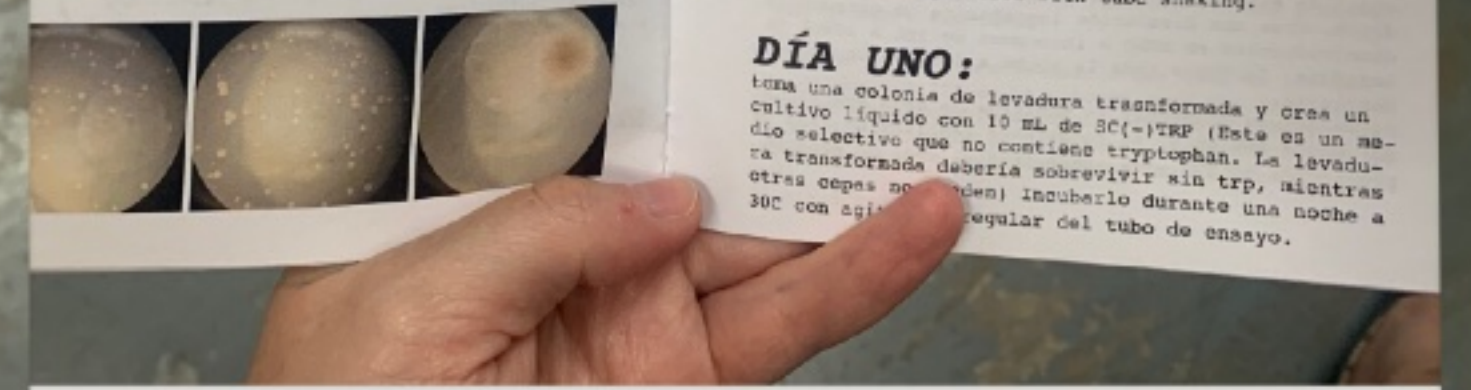
ESTROGENICITY

Como las perturbaciones de los compuestos endocrinos se encuentran en pequeñas cantidades en el agua (ng/L³), una de las técnicas más comunes para su detección es la cromatografía líquida acoplada a espectrometría de masa LC-MS). Pero este método es muy caro para llevarlo a cabo, pues requiere tanto de personal cualificado como de un programa de control robusto. Quizá la biología es la solución. La levadura YES es una cepa genéticamente modificada de *Saccharomyces cerevisiae* (W303) que contiene un receptor de estrógenos humanos (HER). Actúa como un receptor de entrada es estrógeno y la salida un cambio de color al amarillo. Básicamente, las levaduras YES son una extensión de nuestros cuerpos: lo que afecta a sus receptores también afecta a los nuestros. Este método de bio ensayo es más sensible que un método químico, detectando los componentes a baja concentración que se buscan, otros componentes no buscados, y efectos sinérgicos que los métodos químicos y las máquinas no pueden detectar.

ES MEJOR DETECTAR LOS ESTRÓGENOS EN VIVO!

SYNERGISTIC INTERACTIONS
 EUKARYOTE
 MODEL ORGANISM
 FUNGUS
 SACCHAROMYCES CEREVISIAE
 BREWER'S YEAST
 FERMENTATION

ESTROGENICITY IS BEST TESTED IN VIVO



RIVER GYNECOLOGY

DAY TWO:
 Make a 100-fold dilution of your overnight culture by taking 50µL and diluting in 5µL of SC(-)TRP.

If you want to test the transformed yeast for the amounts of estrogen, such as purchasing pure estradiol from Sigma Aldrich chemical company. Make logarithmic dilutions by dissolving in DMSO (organic solvent) and give 1µL to 100µL of yeast. Incubate overnight at 30C, no need for rotating. If you want to test on environmental water samples, is recommended to perform SOLID PHASE EXTRACTION to concentrate the water sample.

DÍA DOS:
 Crea una disolución de 100µL del cultivo nocturno tomando 50µL y disolviéndolos en 5µL de SC(-)TRP.

si se quiere testar la levadura transformada por primera vez, se recomienda trabajar con cantidades conocidas de estrógenos, como estradiol puro de Sigma Aldrich. Crea una disolución logarítmica de estrógenos en DMSO e incorpórala a 100µL de levadura. Incúbalo toda la noche a 30C, no necesita mezclarse. Si se quiere comprobar en muestras de agua extrínsecas del medio ambiente, se recomienda realizar un FAST DE EXTRACTION SÓLIDA para concentrar el agua de muestra.

DAY THREE:
 first check cell density using spectrophotometer @600nm.
 0.2% sarkosyl & 2 buffer stock preparation: Measure and dissolve 2g sarkosyl in 10mL 2 buffer.
 10X ONPG preparation: (**needs refrigeration 4C) measure and dissolve 0.4g ONPG in 10mL 2 buffer.
 this is good for 8 assays Mix-mix 200µL 10x ONPG + 1.8mL 2 buffer + 2µL 1M DTT = 2mL TOTAL (for example, 12 assays = 400µL 10x ONPG + 3.6mL 2 buffer + 4µL 1M DTT = 4mL TOTAL).

Put 225µL of this mix-mix with 25µL of yeast. Incubate in 37C water bath for 30-60min. When you see yellow color change, add 100 µL 1M sodium carbonate to stop the reaction. read color change using spectrophotometer @405nm (measuring the nitrophenol product).

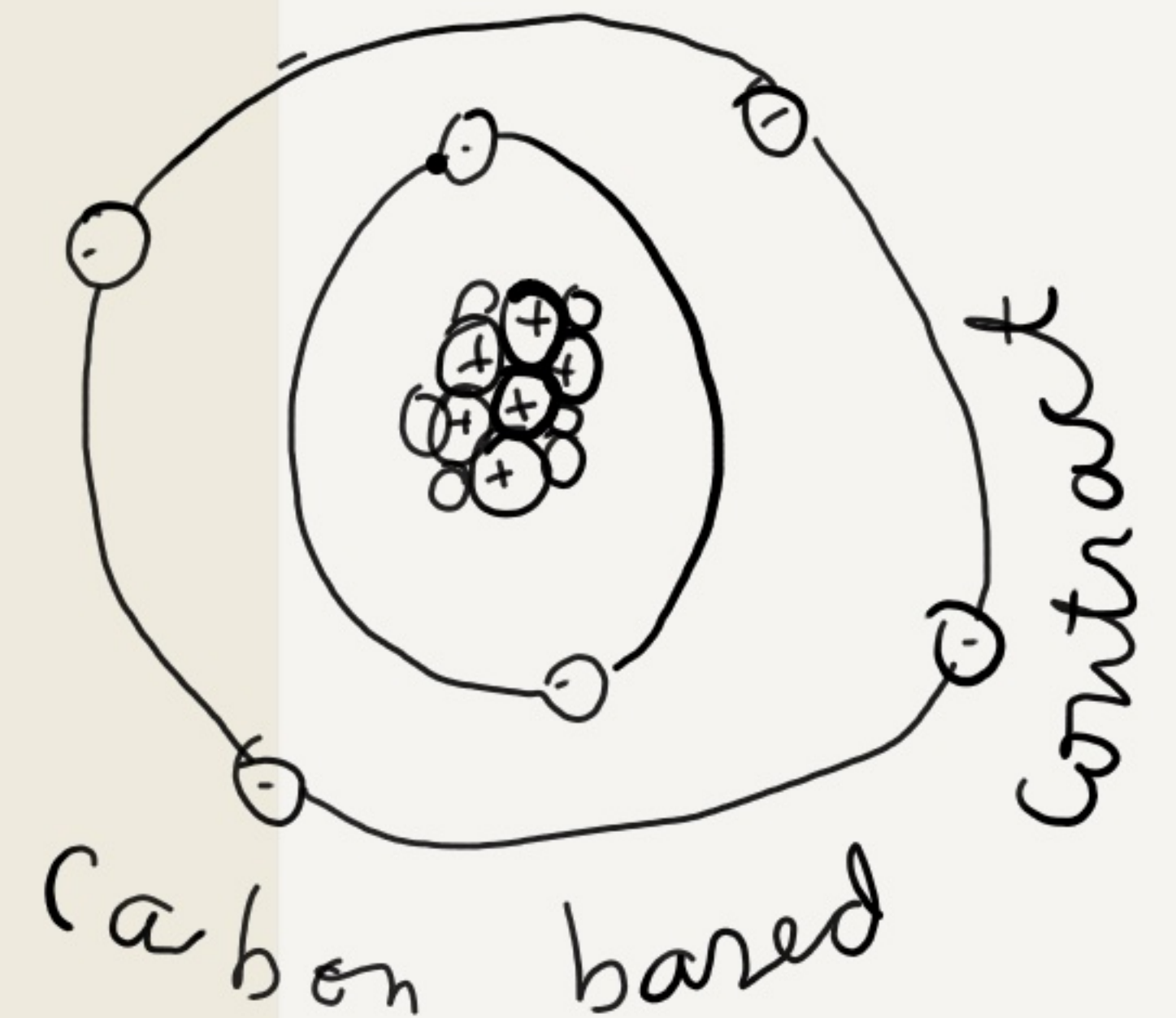
DÍA TRES:
 Comprueba primero la densidad celular mediante un espectrómetro a 600nm.
 0.2% sarkosyl & 2 buffer stock preparation: Mide y disuelve 2g de sarkosyl en 10mL 2 buffer.
 10X ONPG preparation: (**necesita estar refrigerado a 4C) Mide y disuelve 0.4g ONPG en 10mL 2 buffer.
 bueno para 8 ensayos Mezcla-mezcla 200µL 10x ONPG + 1.8mL 2 buffer + 2µL 1M DTT = 2mL TOTAL (por ejemplo, 12 ensayos = 400µL 10x ONPG + 3.6mL 2 buffer + 4µL 1M DTT = 4mL TOTAL).

Pon 225µL de esta mezcla-mezcla con 25µL de levadura. Incúbala a 37C en un baño de agua por 30-60min. Cuando veas el cambio a color amarillo, añade 100 µL de carbonato sódico para parar la reacción. Lee el cambio de color usando un espectrómetro @405nm (midiendo el nitrofenol).

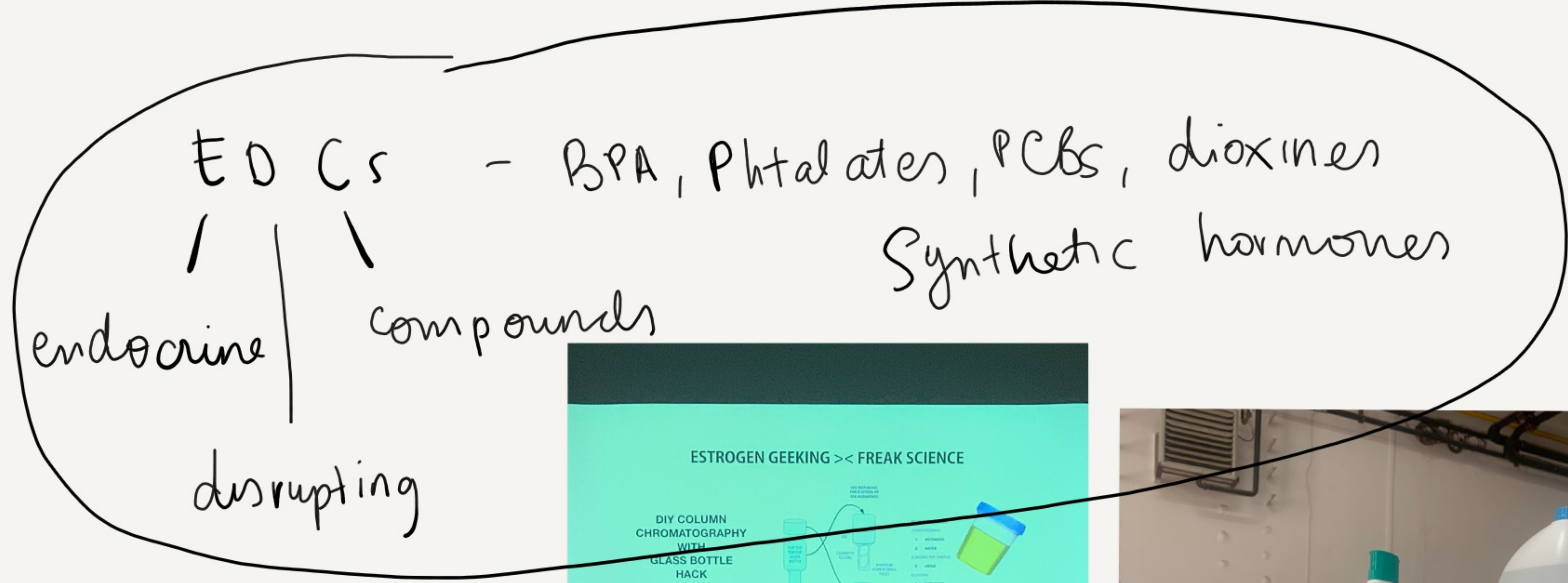
minimal ethics

Joanna Zylińska
Minimal ethics

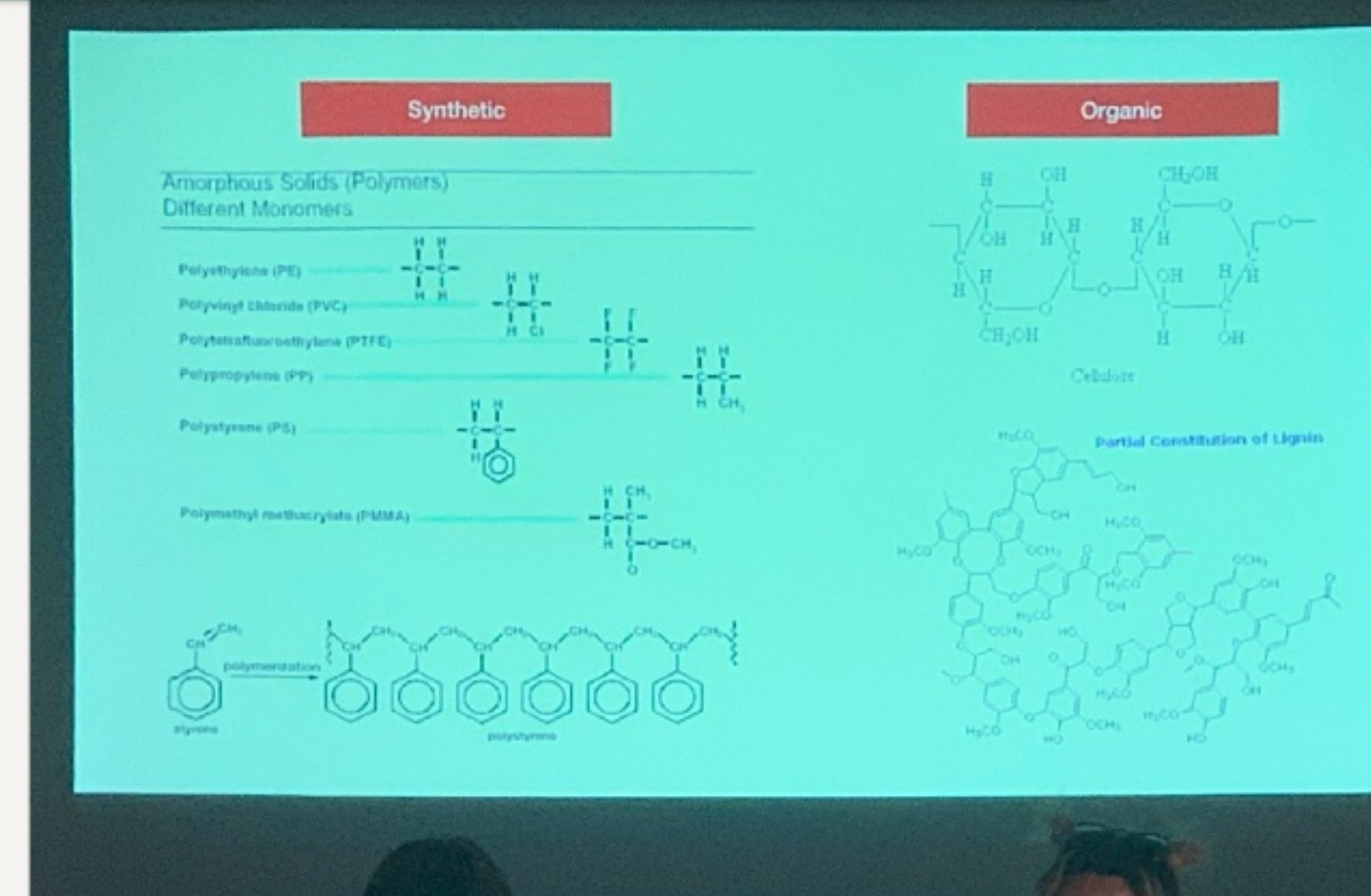
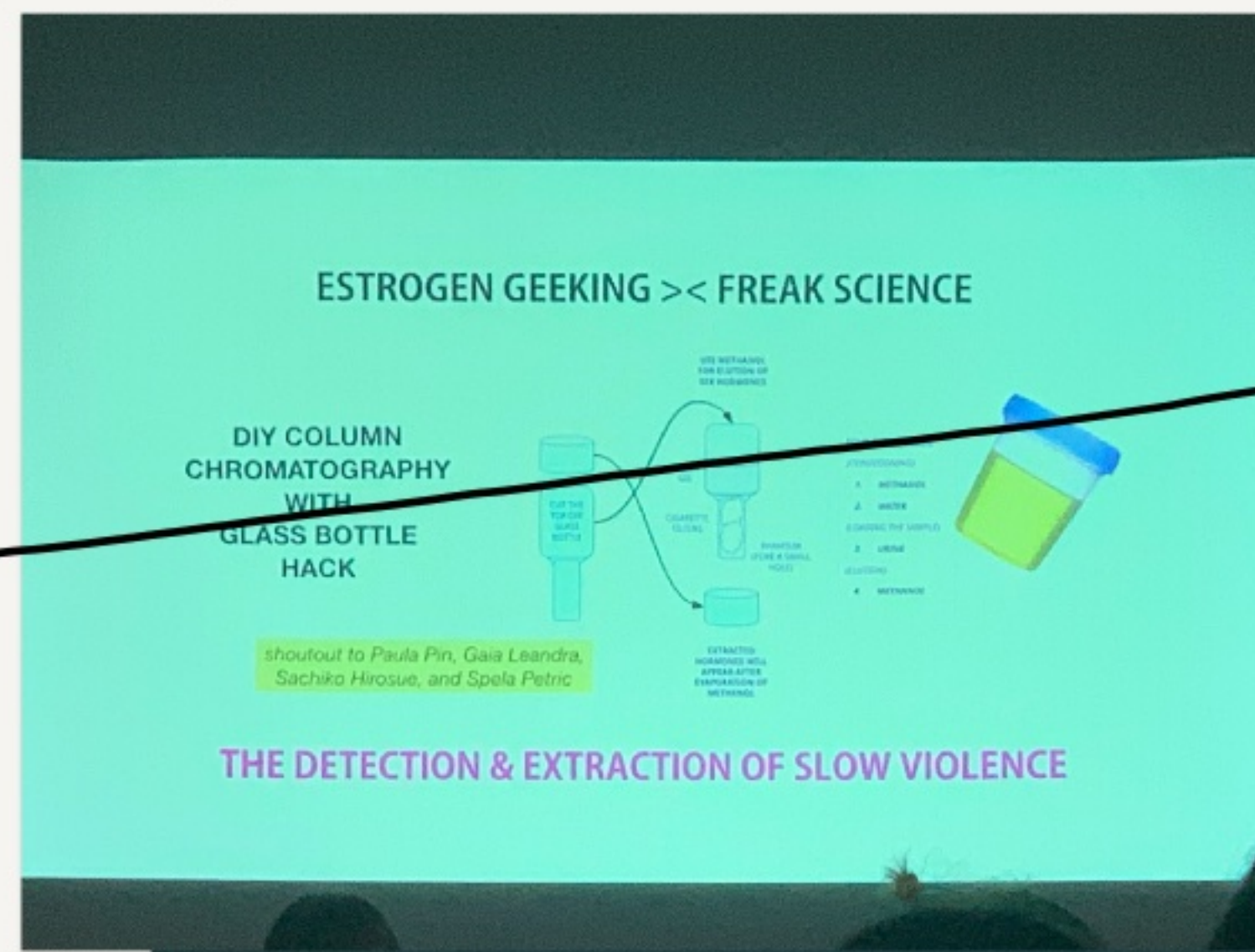
1. The universe is constantly unfolding but it also temporarily stabilizes into entities.
2. None of the entities are pre-planned or necessary.
3. Humans are one class of such entities, which is as accidental and transitory as any other class.
4. The differentiation between process and entity is a heuristic, but it allows us to develop a discourse about the world and about ourselves in that world.
5. The world is an imaginary name we humans give to the multitude of unfoldings of matter.
6. Transitory stabilizations of matter do matter to us humans, but they do not all matter in the same way.
7. Ethics is a historically contingent human mode of becoming in the world – and of becoming different from the world.
8. Ethics is therefore stronger than ontology: it entails becoming-something in response to there being something else, even though this “something else” is only a temporary stabilization.
9. This response is not just discursive but also affective and corporeal.
10. Ethics is necessary because it is inevitable: we humans must respond to there being other processes and other entities in the world.
11. Our response is a way of taking responsibility for the multiplicity of the world, and for our relations to and with it.
12. Such responsibility can always be denied or withdrawn, but a response will have already taken place nonetheless.
13. Responsibility is not just a passive reaction to pre-existing reality: it involves actively making cuts to the ongoing unfolding of matter in order to stabilize it.
14. Material in-cisions undertaken by humans can be ethical de-cisions, even if the majority of such cuts into matter are nothing of the kind.
15. Even if ethics is inevitable, ethical events are rare.
16. Ethics requires an account of itself.
17. Ethics precedes politics but also makes a demand on the political as the historically specific order of sometimes collaborative and sometimes competitive relations between human and nonhuman entities.
18. As a practice of material and conceptual differentiation, ethics entails violence, but it should also work towards minimizing violence.
19. There is therefore value in ethics, even if ethics itself needs no prior values.
20. Ethics is a critical mobilization of the creative principle of life in order to facilitate a good life.
21. Ethics enables the production of better modes of becoming, whose goodness is worked out by humans in the political realm, in relation with, and with regard to, non-human entities and entanglements.



(Bio)-Hacking



↓
Permanent alteration of planet



HORMONE QUEERING RESISTANCE

Plan for hormone queering
RESISTANCE

1. unearth the dominant PATRIARCHAL AGENTS of hormonal production and Pollution → Public understanding of XENO FORCES

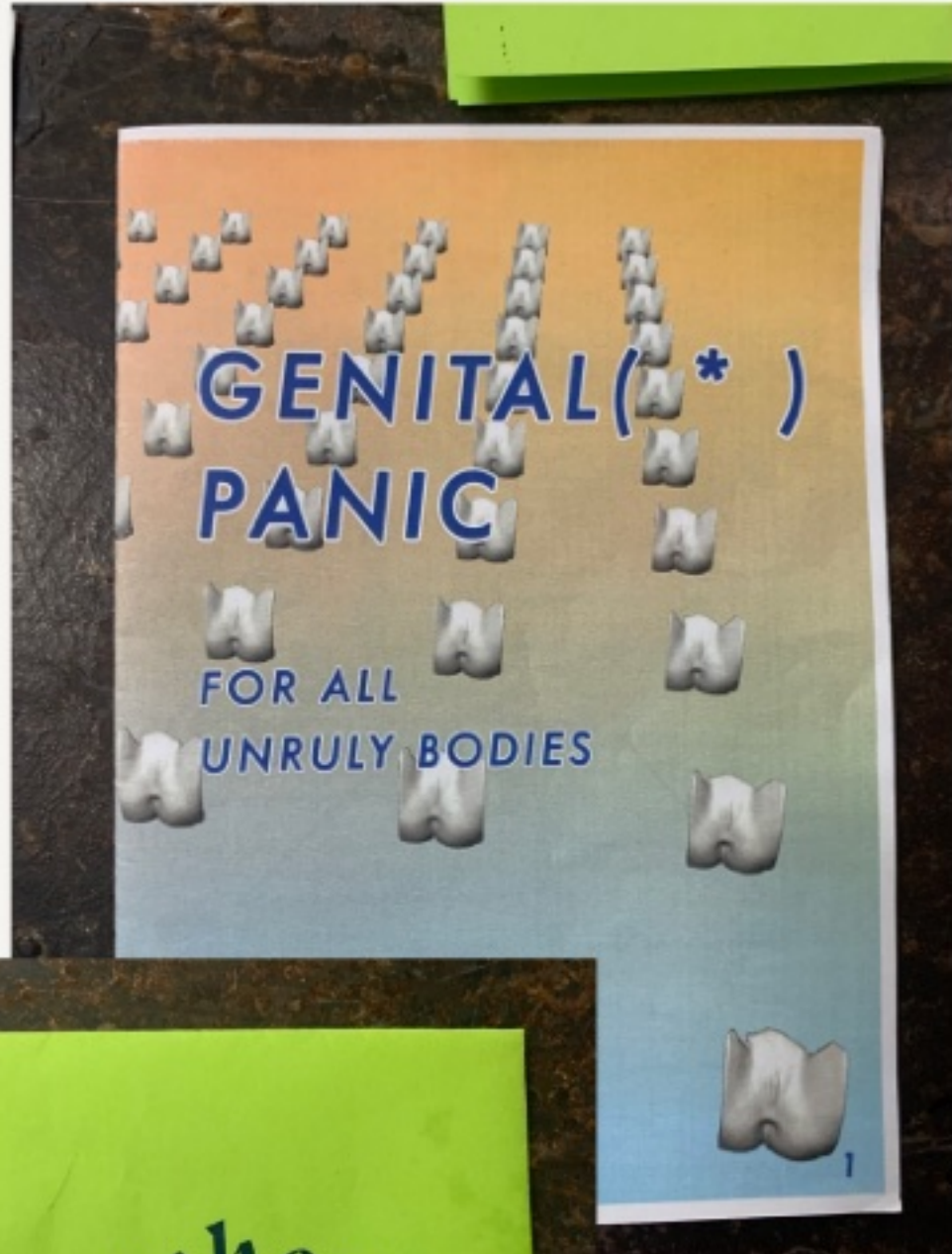
2. demystify institutionalized "black-boxed" knowledge of biochemistry, endocrinology

3. RESIST neoliberal pharmaco-capitalist profiteering of (un)-consenting bodies

4. REJECT glorifications of "THE NATURAL" → condemnations of "the unnatural"

5. undermine entrenched notions of (Eco)HETERO NORMALCY AND PURITY . QUEERING AS RESISTANCE!

6. consider micro-performativity of hormones as power of MOLECULAR COLONIZATION AND collaboration



HORMONE HACKING, FREAK SCIENCE, amateur exploration



IMAGINE
NEW
CROSS-SPECIES
TOXIC
ENTANGLEMENTS



↙ Pleurotus
ostreatus
Can break down
toxicities such as
EPCs

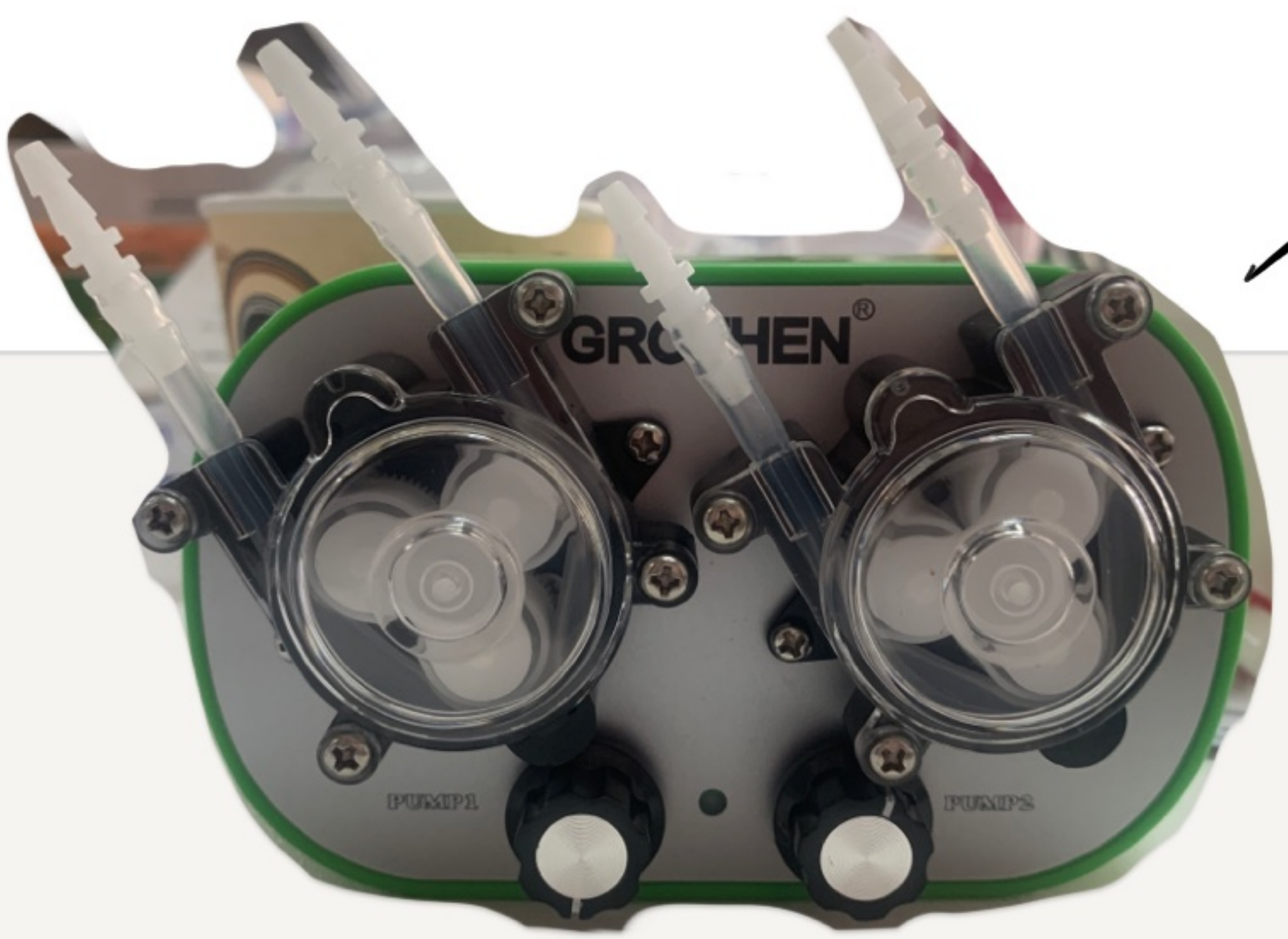


Household product
that contains XENOESTROGENS



METHANOL.

DIY
→ extraction of hormones



→ PUMP HORMONE
FILTER





creation of
XENO ESTROGEN
COCKTAIL



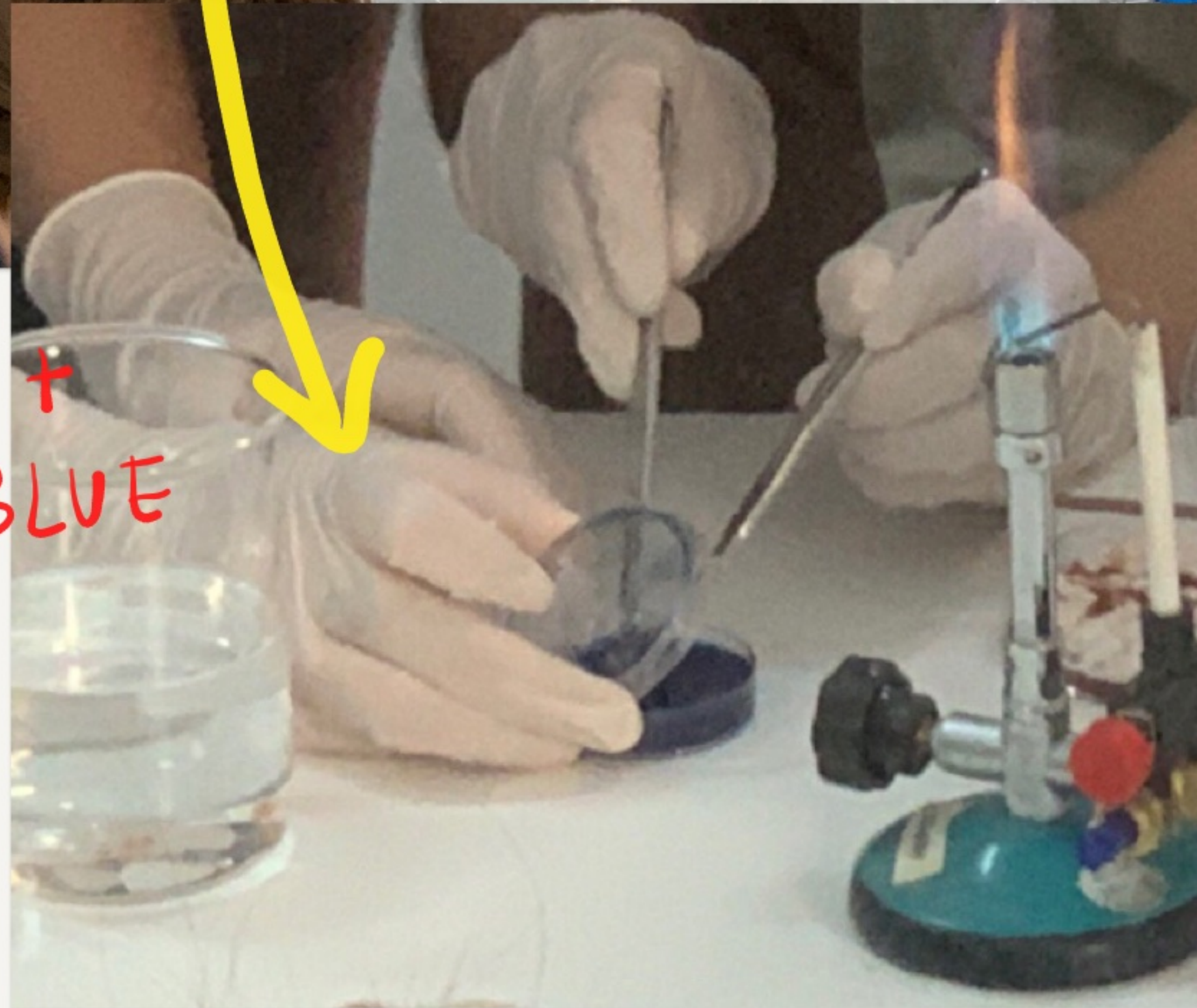
EXTRACTION OF
MICROPLASTICS



CENTRIFUGING
HORMONES
FOR
COCKTAIL

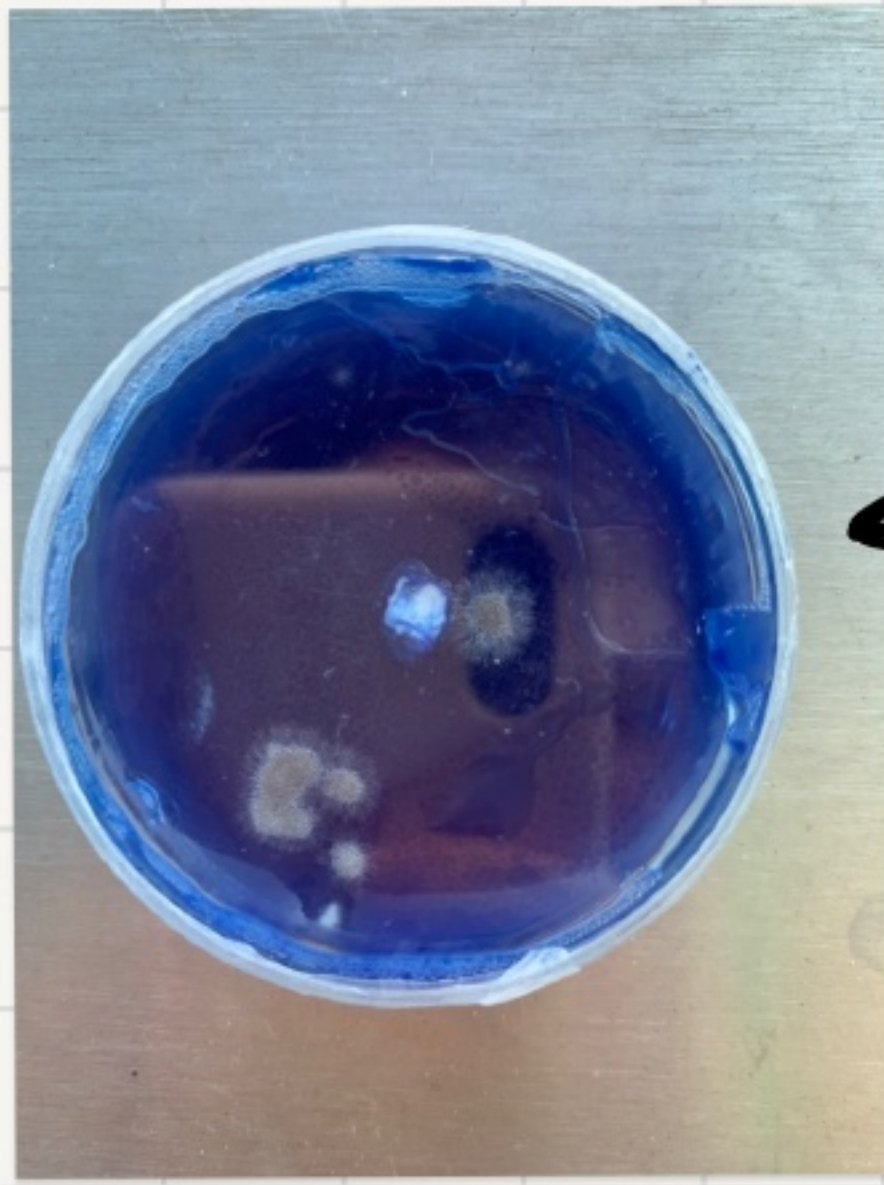
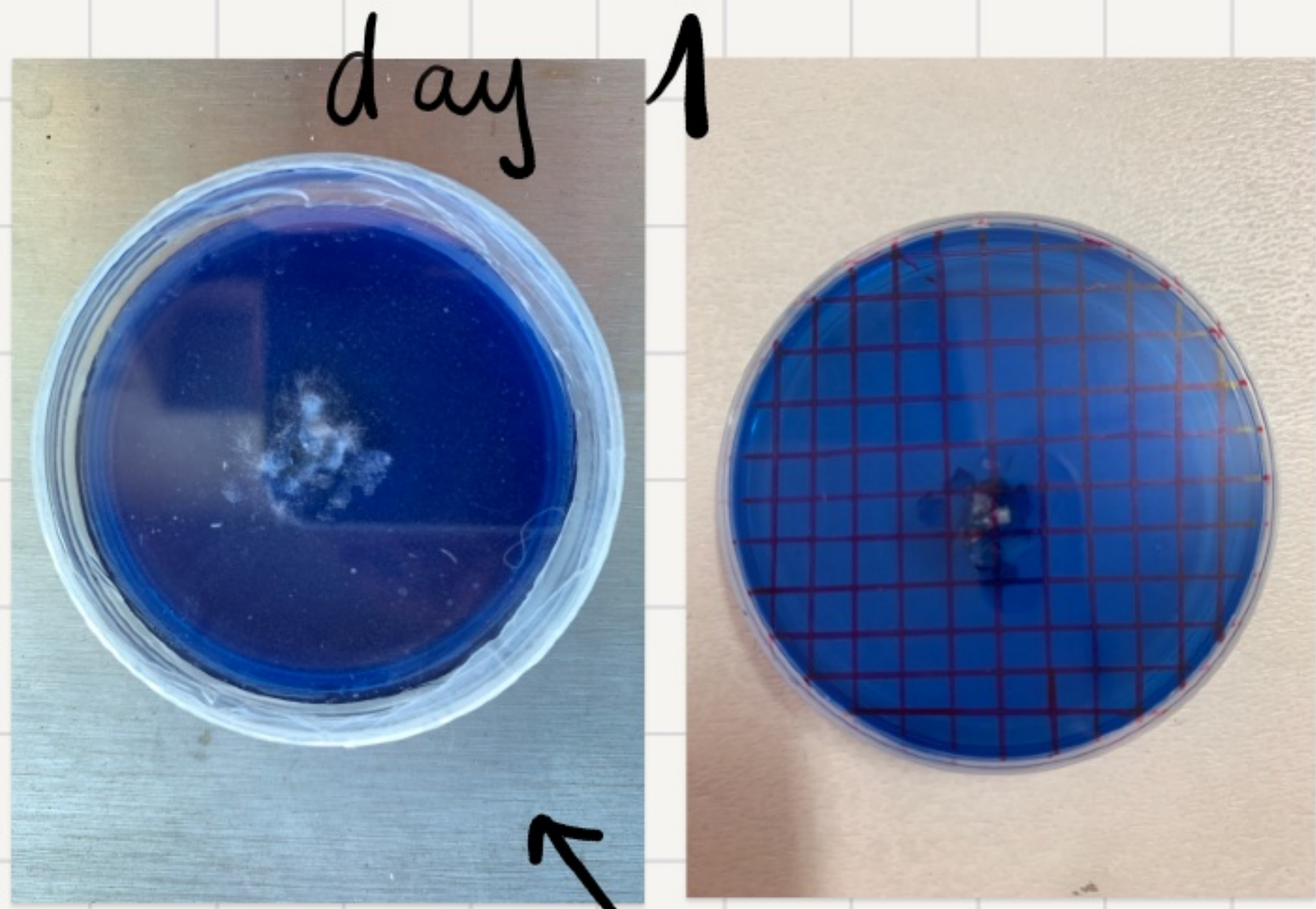


MUSHROOM +
REM AZOL BLUE
(TOXIC)



INOCULATE
THE PETRI DISHES
WITH THE MUSHROOM





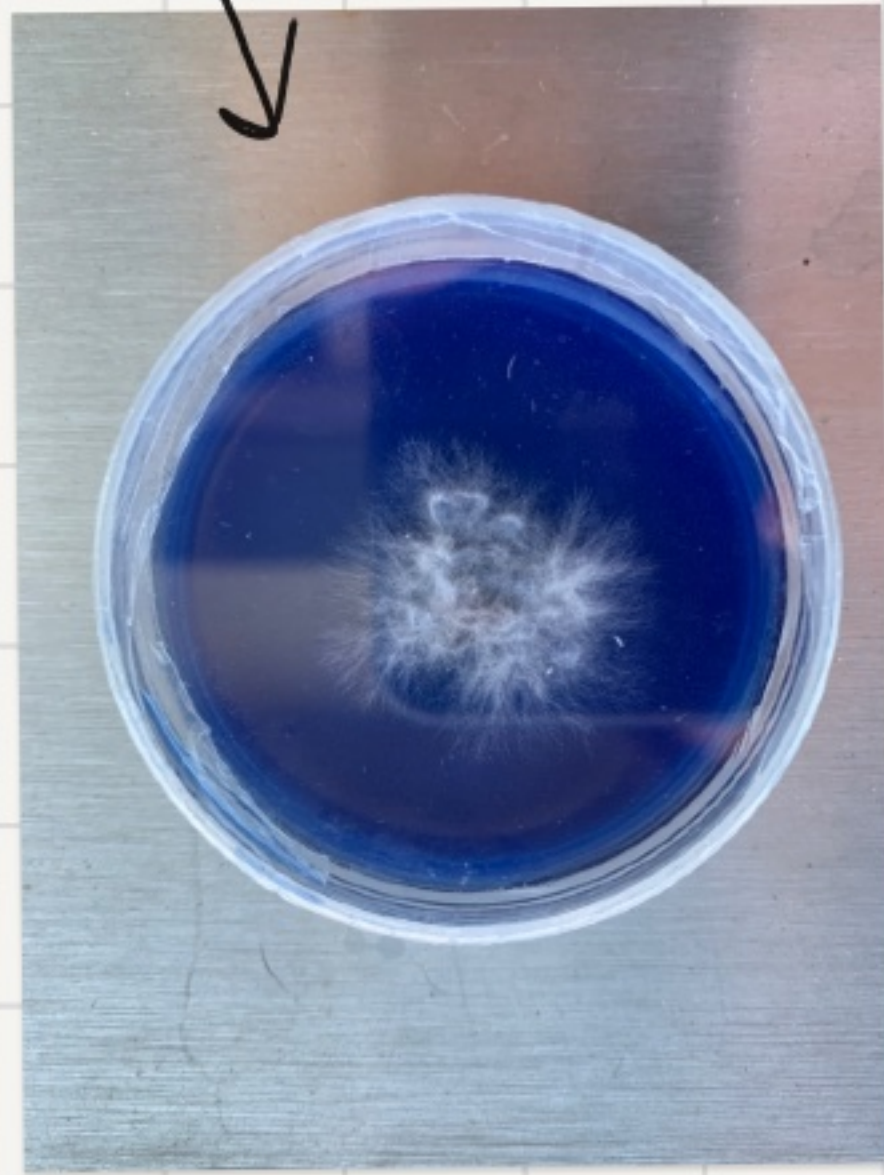
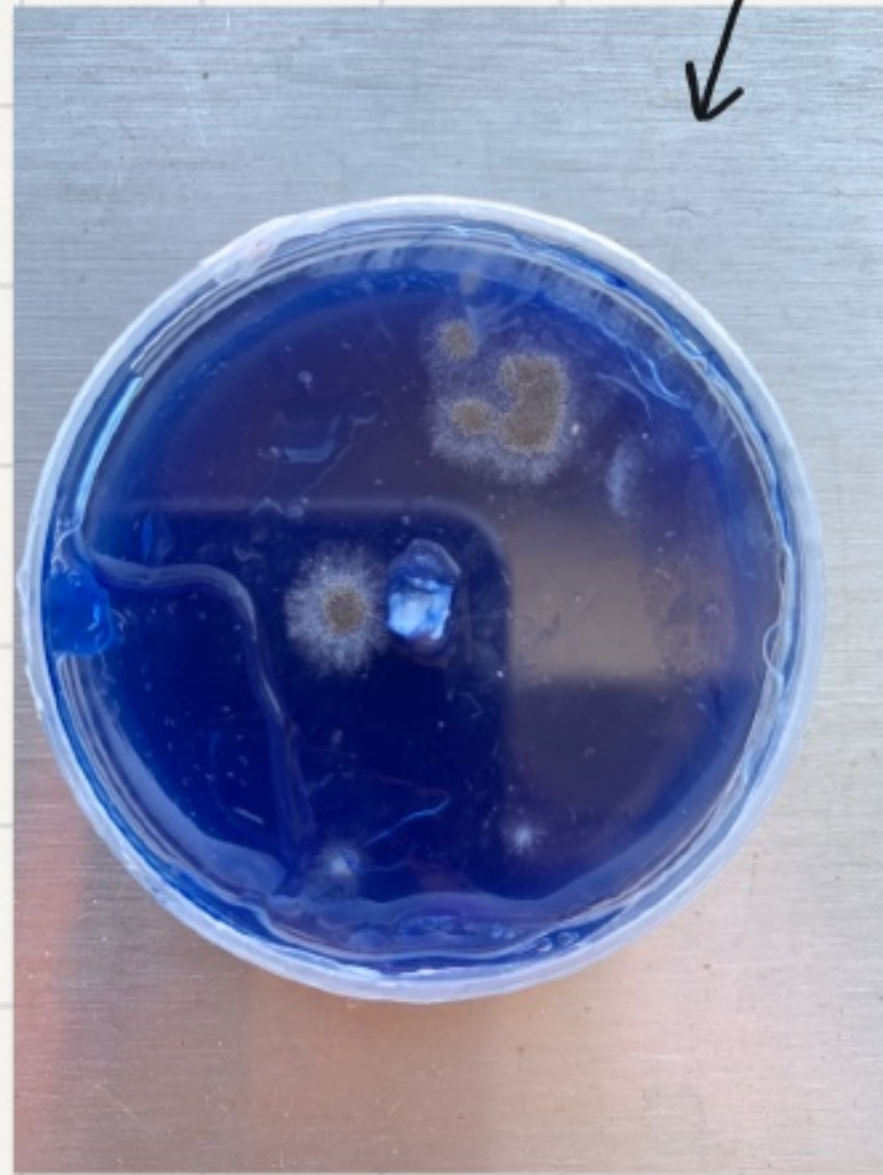
Mycellar
Water

face
cream

Side A

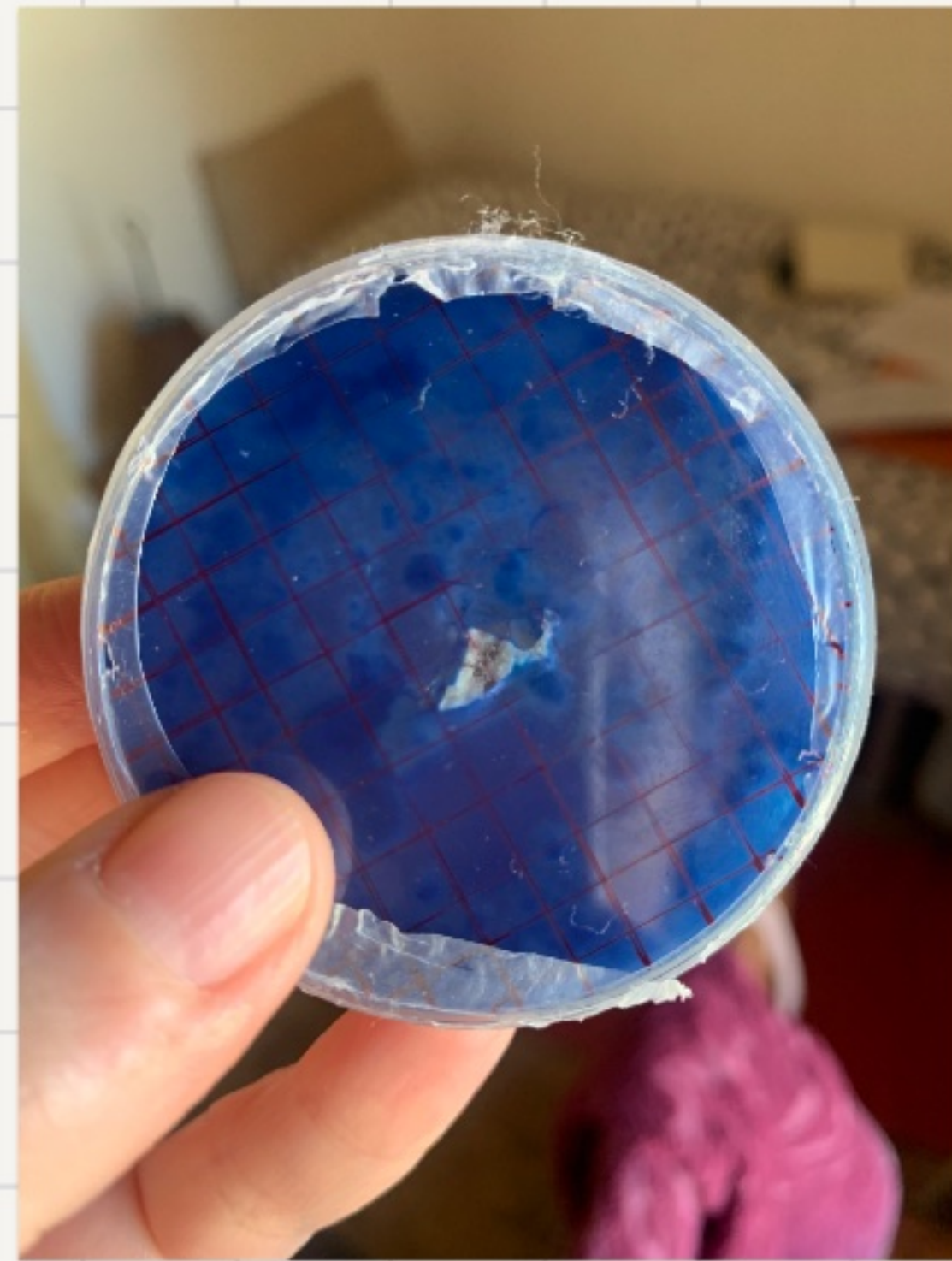
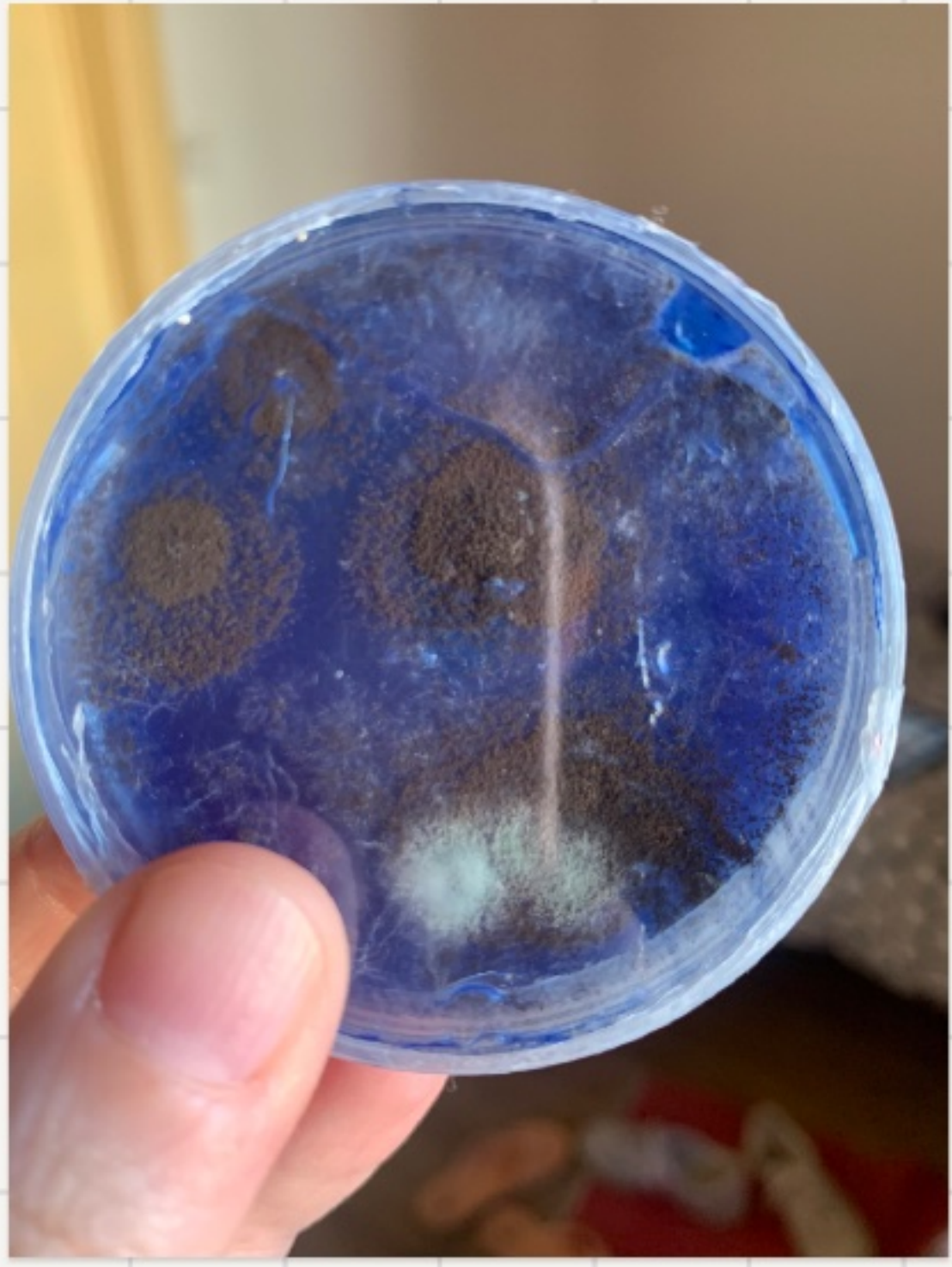
Side A

Side B



already showing
the blue colour
turning pink

→ mushroom is
eating toxins?



26.07.2021

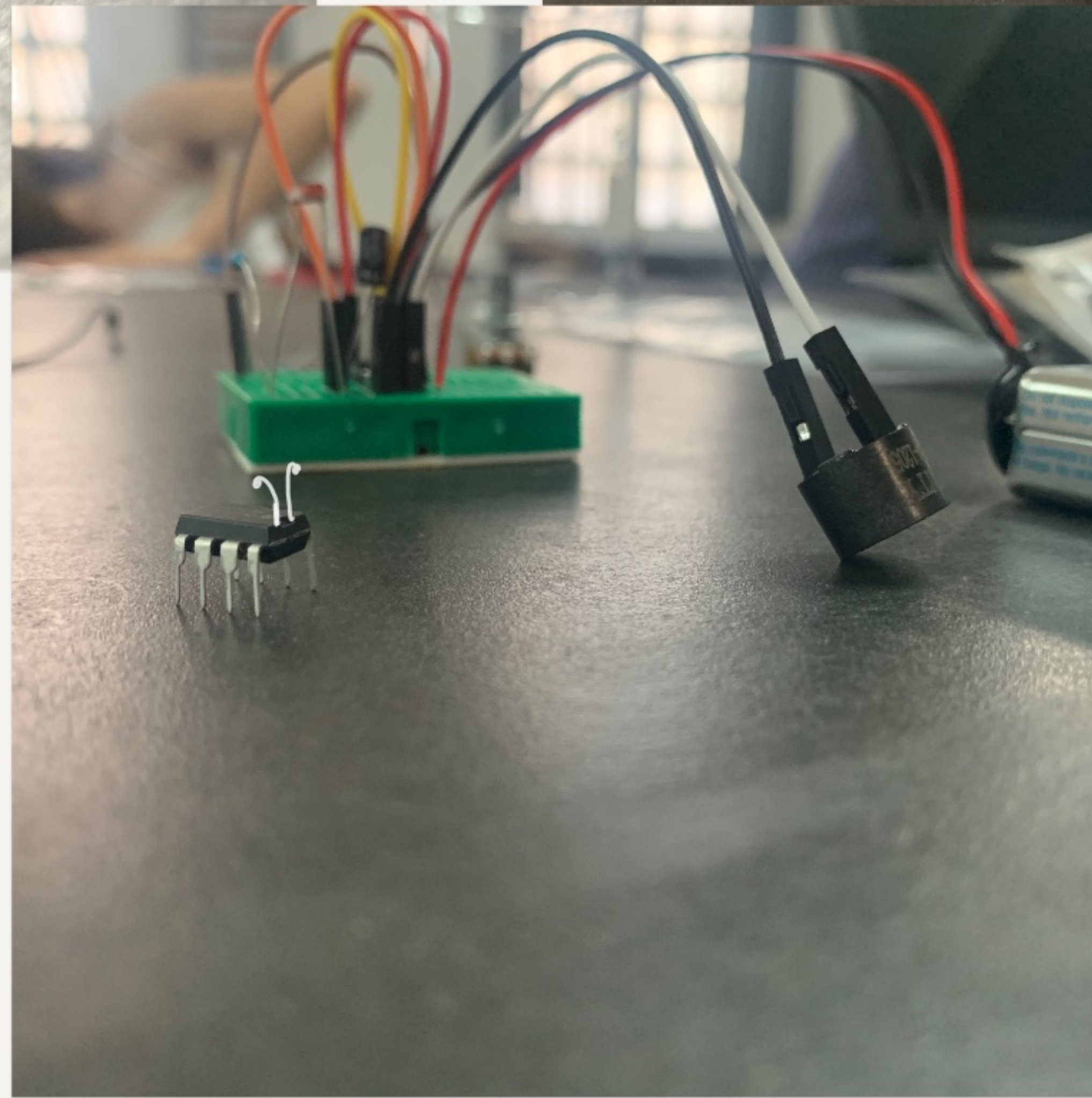
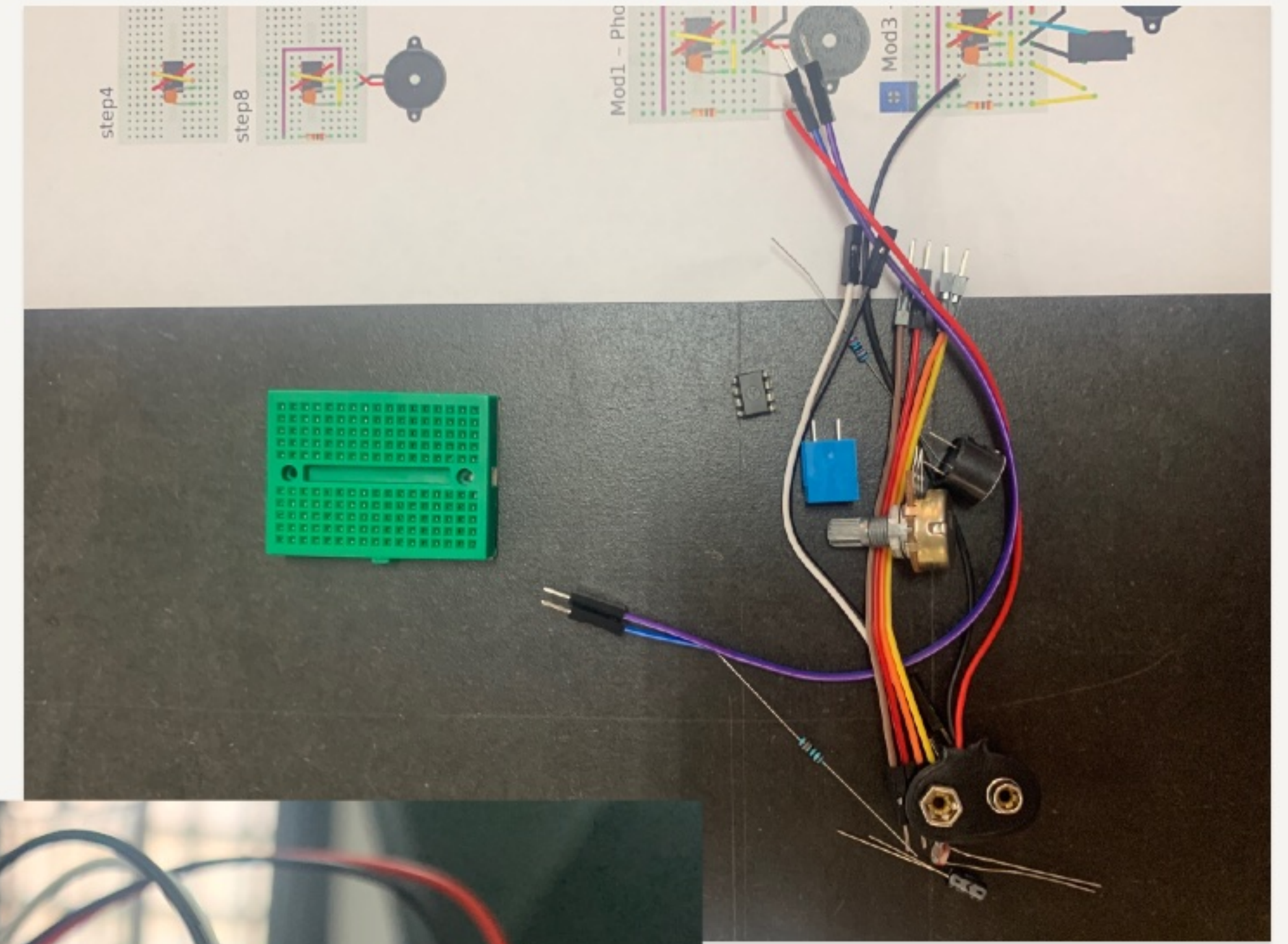
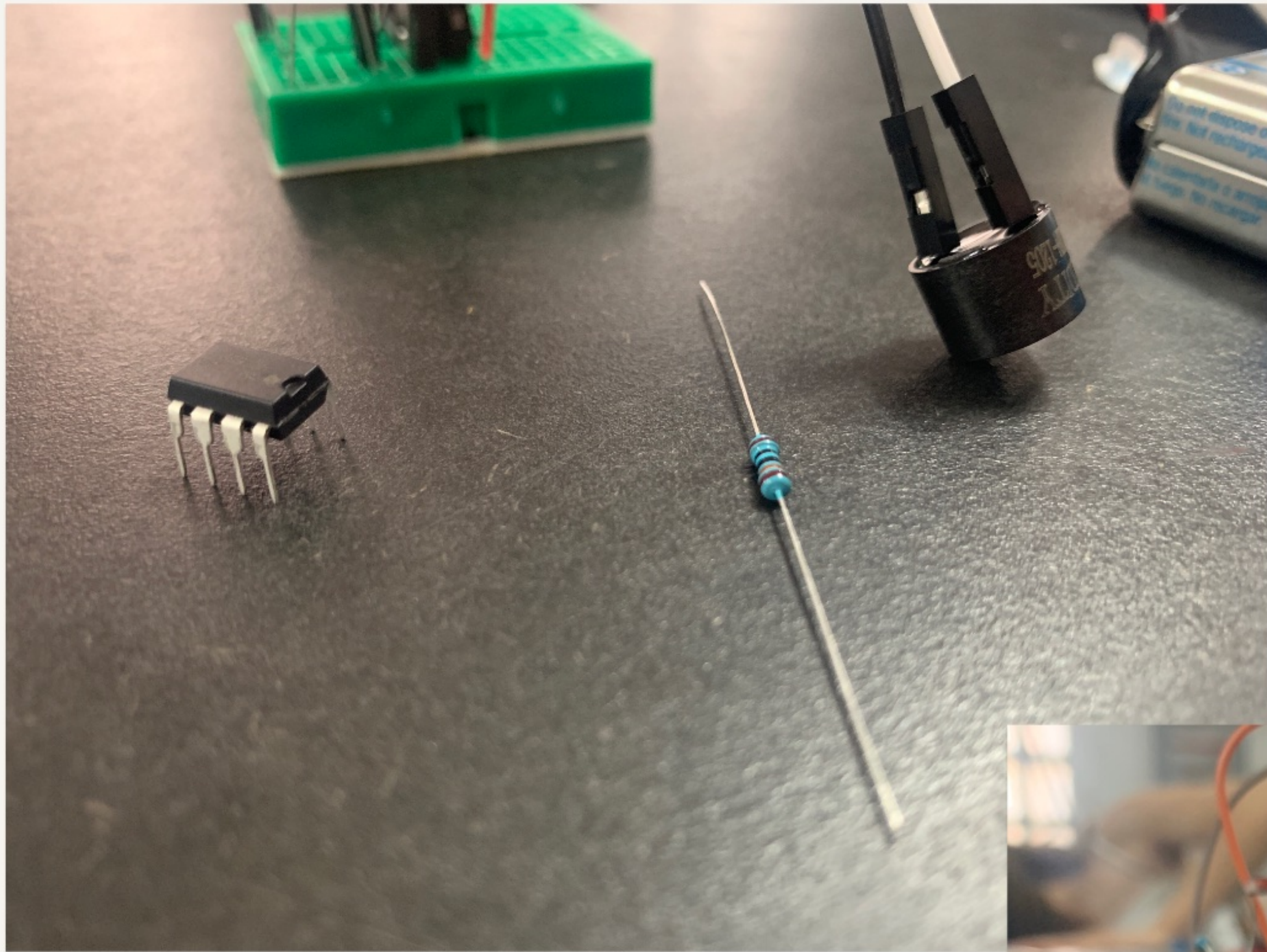
→ clear signs of de-coloration

scale

does it matter in


biology or

life - research/
speculation?



14:10 elementbrand.at

KOSTENLOSER VERSAND & RÜCKVERSAND - WEITERE INFORMATIONEN


☰  🔍 🗑️

Cornell Classic - Kapuzenpulli mit Reißverschluss für Unisex

€ 63,00

6 Farben


♂ UNISEX



Heavy - Kapuzenpullover für Männer

€ 73,00

3 Farben




Cornell Classic - Sweatshirt für Unisex

€ 53,00

6 Farben

♂ UNISEX




Cornell Classic - Sweatshirt für Unisex

€ 53,00

6 Farben

♂ UNISEX





1
2
Limon

1
Limon

