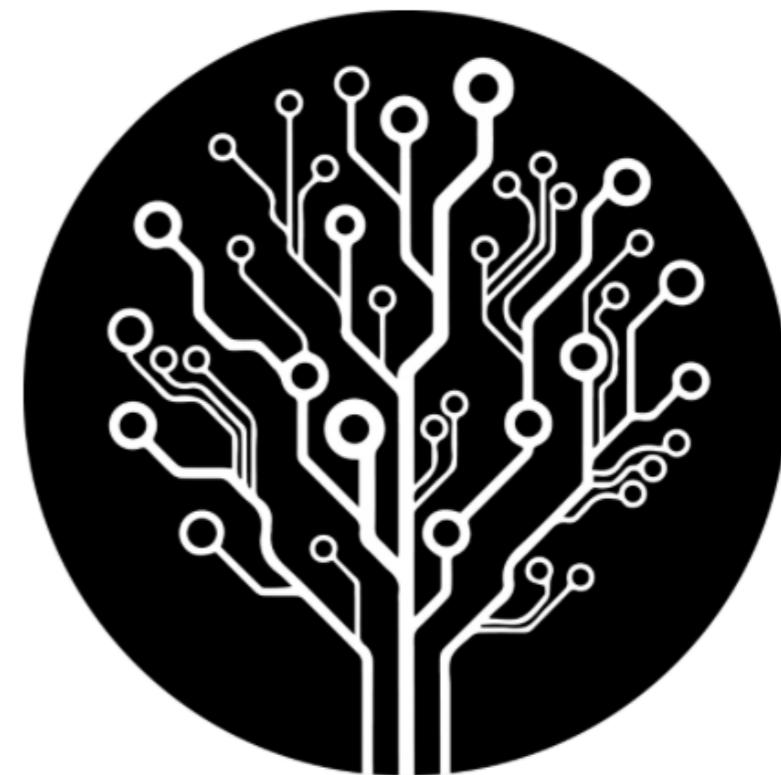


**form
follows
organism**

X



**biohack
academy**

**IMAGINE
IF
THIS**

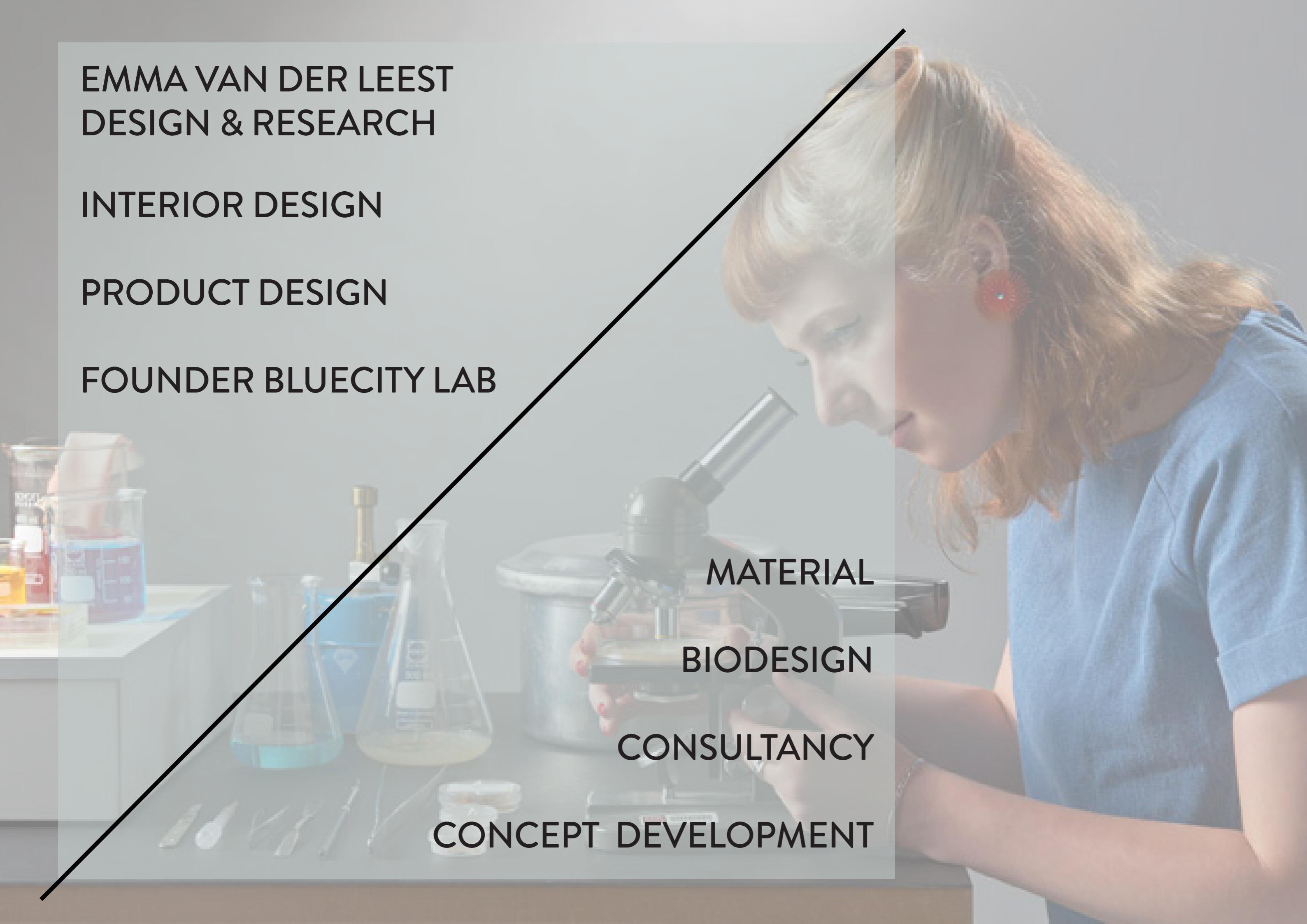


**COULD
BECOME
THIS**

**IMAGINE
IF
THIS**



**COULD
BECOME
THIS**



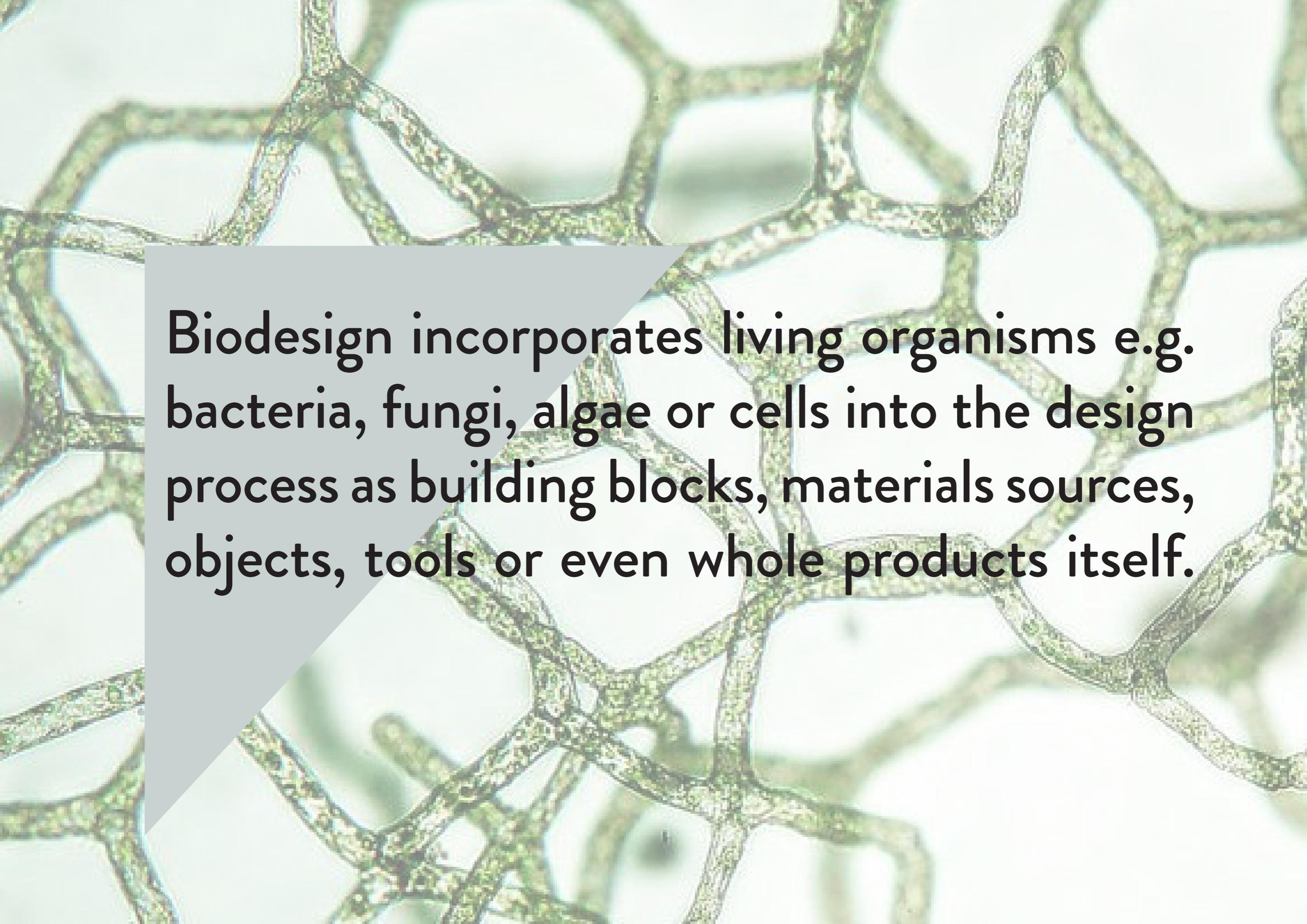
EMMA VAN DER LEEST
DESIGN & RESEARCH

INTERIOR DESIGN

PRODUCT DESIGN

FOUNDER BLUECITY LAB

MATERIAL
BIODESIGN
CONSULTANCY
CONCEPT DEVELOPMENT

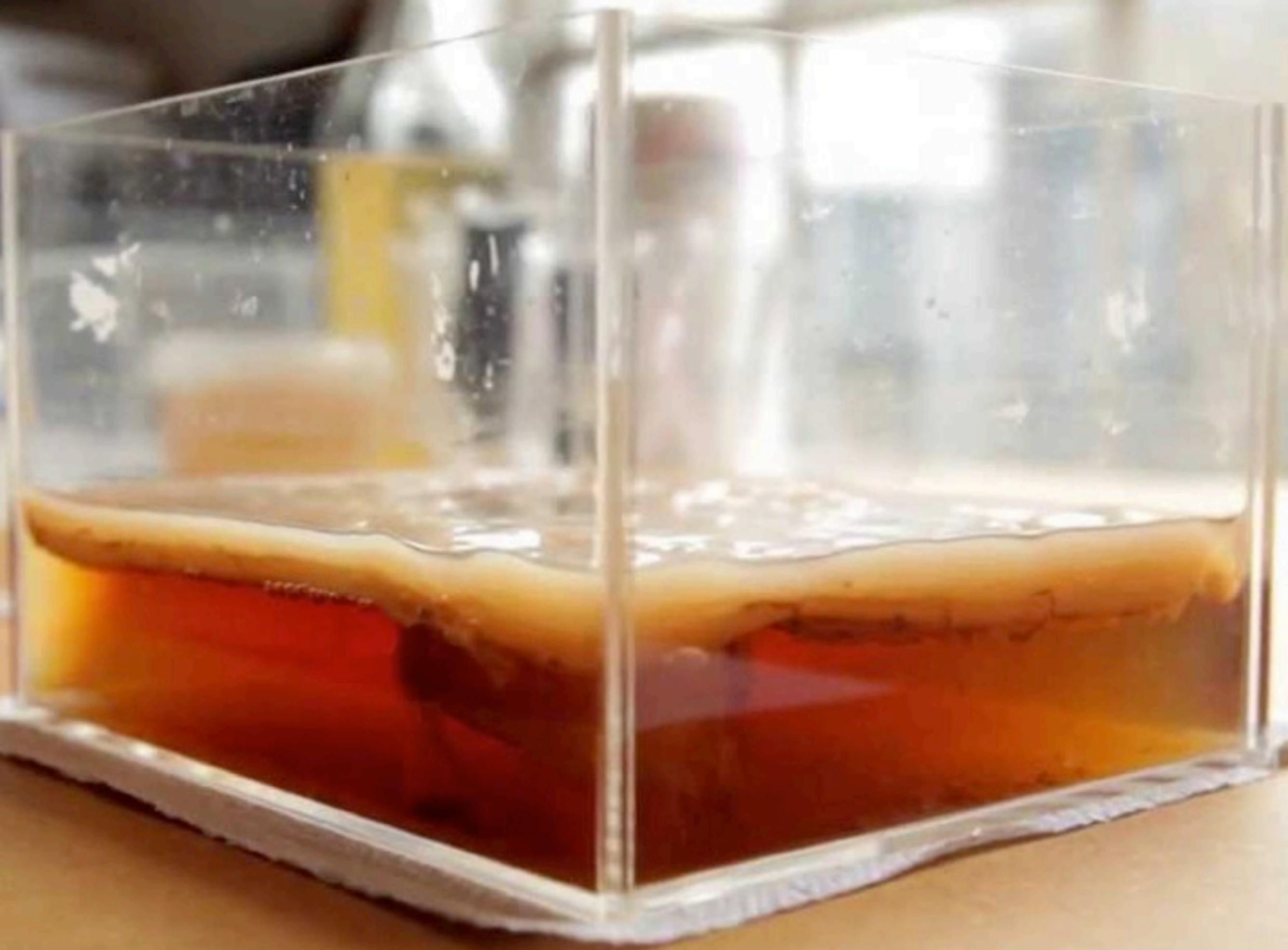


Biodesign incorporates living organisms e.g. bacteria, fungi, algae or cells into the design process as building blocks, materials sources, objects, tools or even whole products itself.



BioCouture Studio











SIGGOTHEQUE
LONDON



BIOFABRICATE

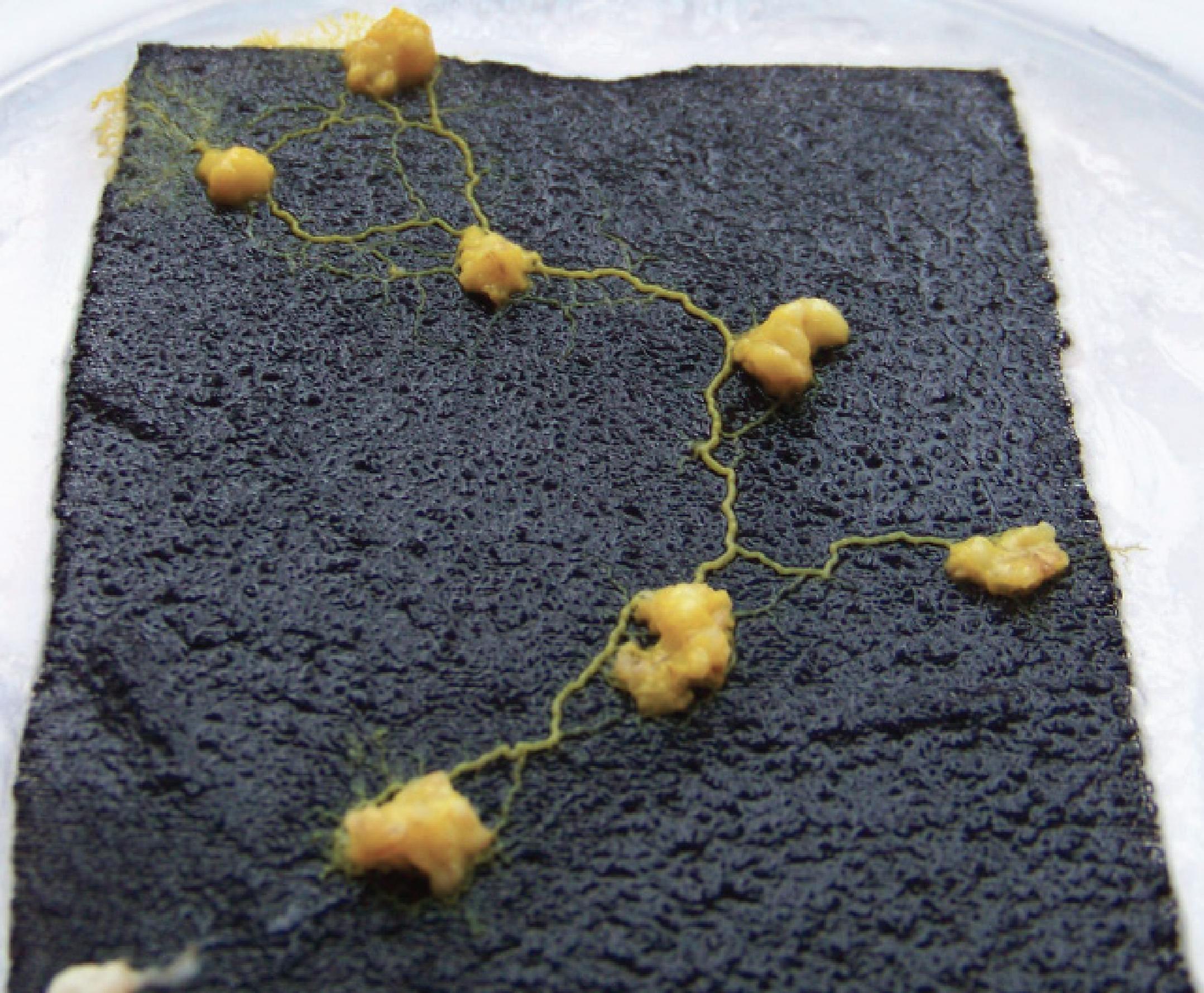
DESIGN, BIOLOGY, TECHNOLOGY: GROWING A BETTER FUTURE



BIOFABRICATE TEAM: AMY CONGDON | biological atelier, SUZANNE LEE | biocouture, ANNELIE KOLLER | Cultivate, EMMA VAN DER LEEST | design & research







FORM FOLLOWS ORGANISM
THE BIOLOGICAL COMPUTER

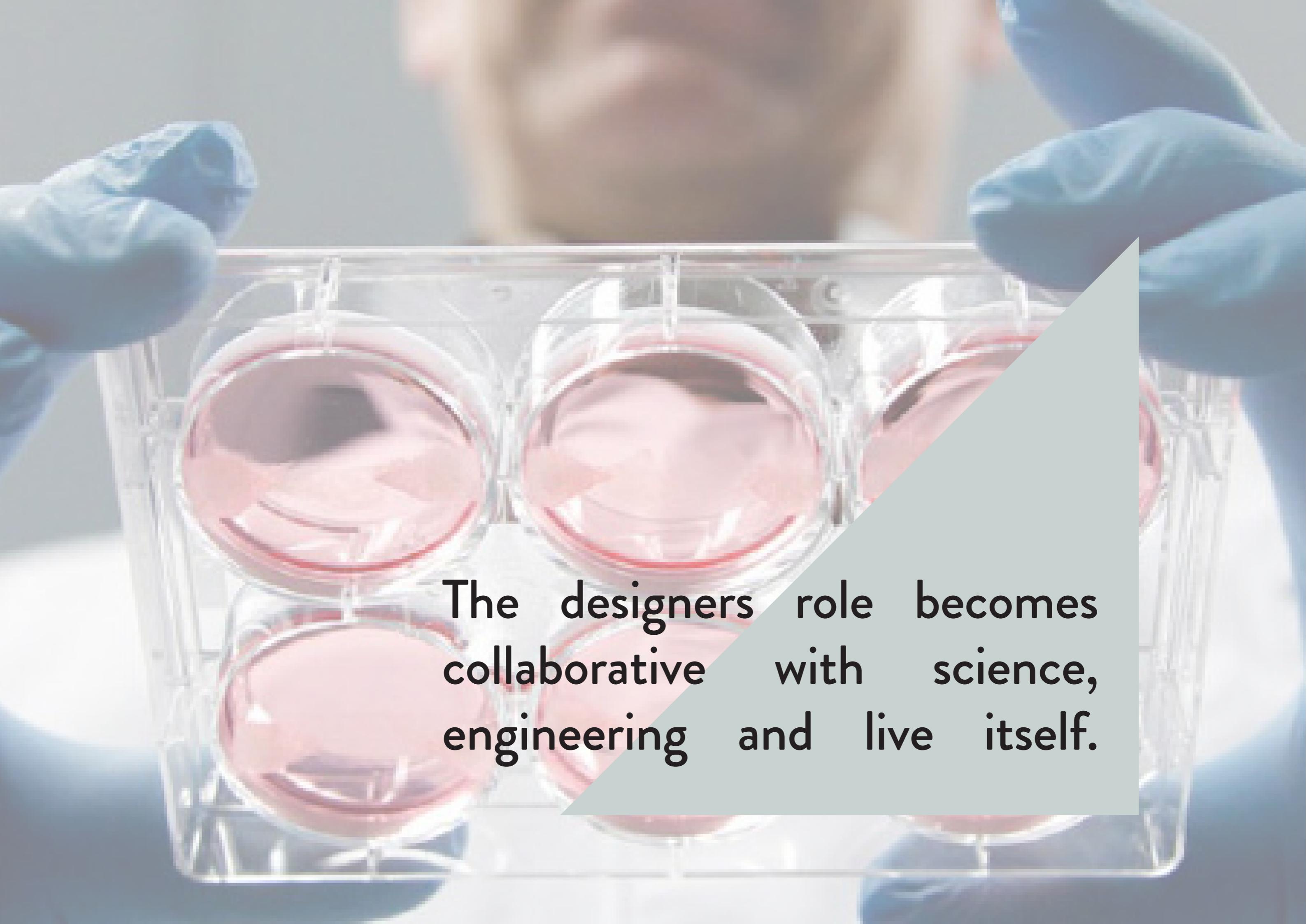
DESIGNMETHOD

ORGANISM AS DESIGN TOOL

SINGLE CELLED ORGANISM
PHYSARUM POLYCEPHALUM
'SLIME MOULD'







The designers role becomes
collaborative with science,
engineering and live itself.

BLUE CITY



**BLUE
CITY
LAB**







BlueCity is an ecosystem of entrepreneurs that connect their business plans, products and waste streams together.

Coffee is our passion which we import and burn in our restaurant located in Tropicana's old watercourse - Alohabar



'We converted 31.3 tons of coffee to 6201 kilos of oyster mushrooms - RotterZwam'



'I enrich foods with a spirulina paste full of proteins and safe 99% of water and land while growing it.'





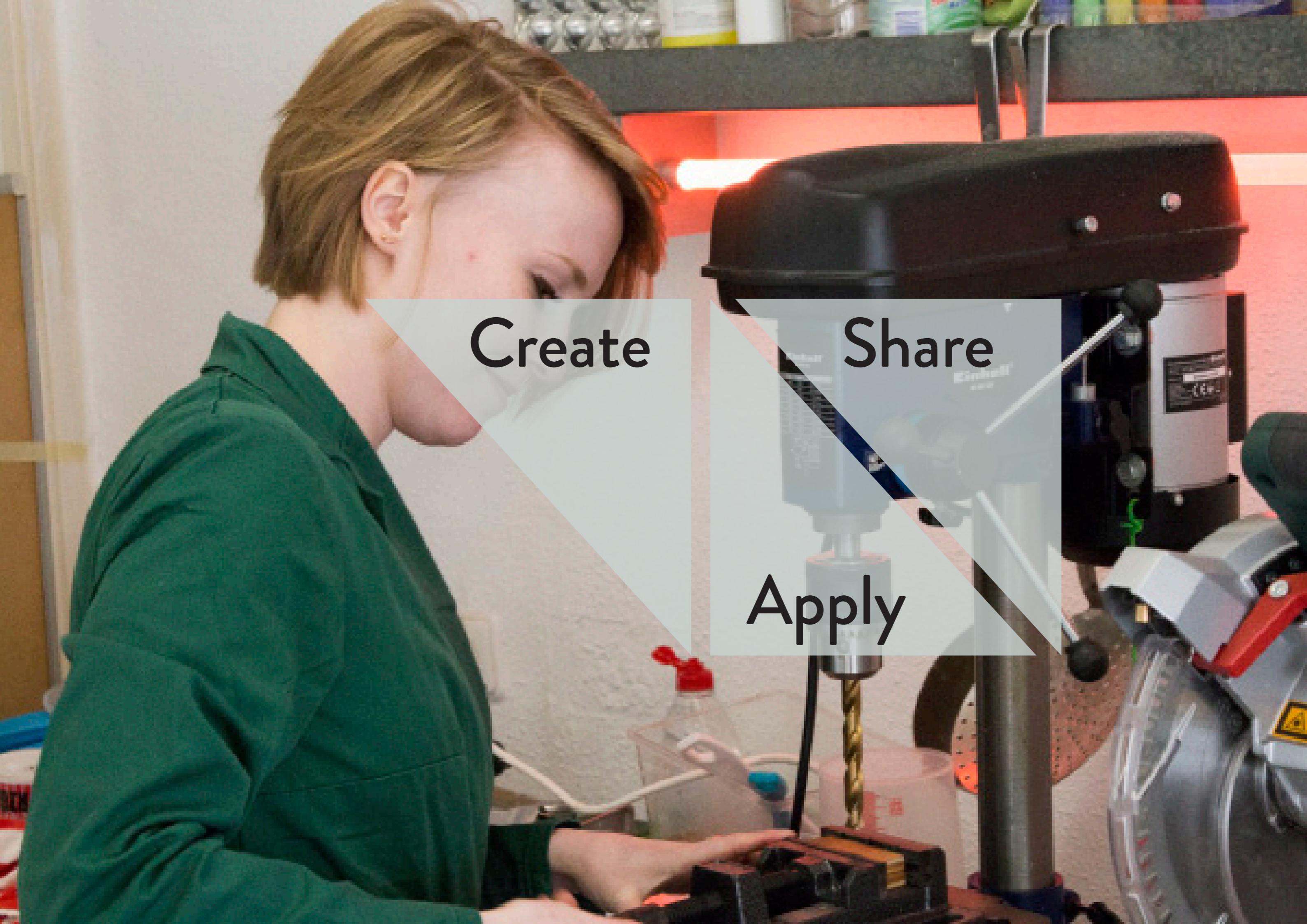
Wetlab

The image shows a workshop or laboratory space. On the left, a large red and black laser cutter machine is positioned on a mobile cart. In the center, there's a white desk with a laptop and a small lamp. To the right, a 3D printer is sitting on a wooden desk. The room has white walls, some pipes, and a window. A large white triangle graphic is overlaid on the left side of the image.

Drylab



Tastelab

A photograph of a woman with short blonde hair, wearing a green long-sleeved shirt, working on a piece of machinery in a workshop. She is looking down at the equipment. The background shows shelves with various items and a red wall.

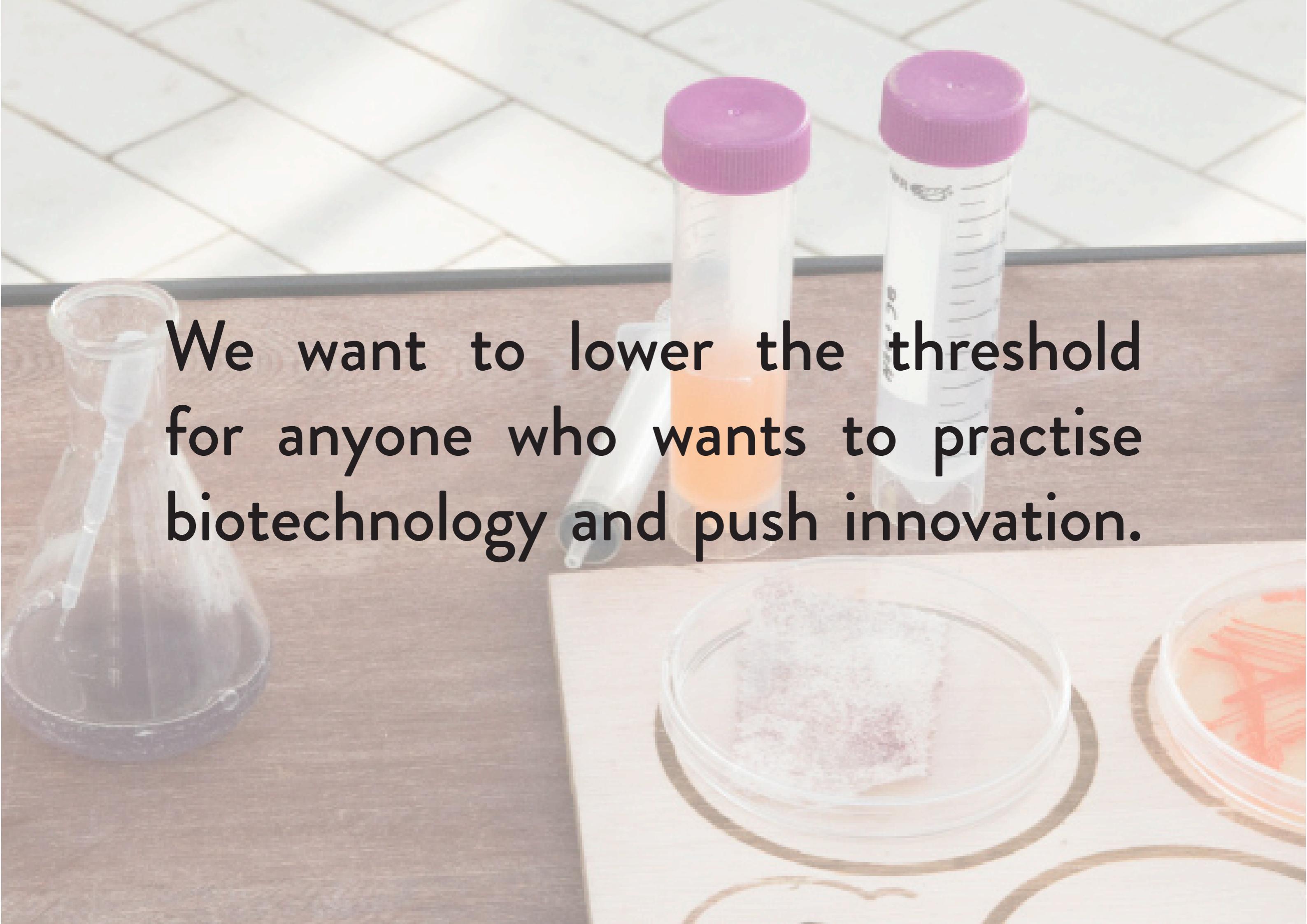
Create



Share



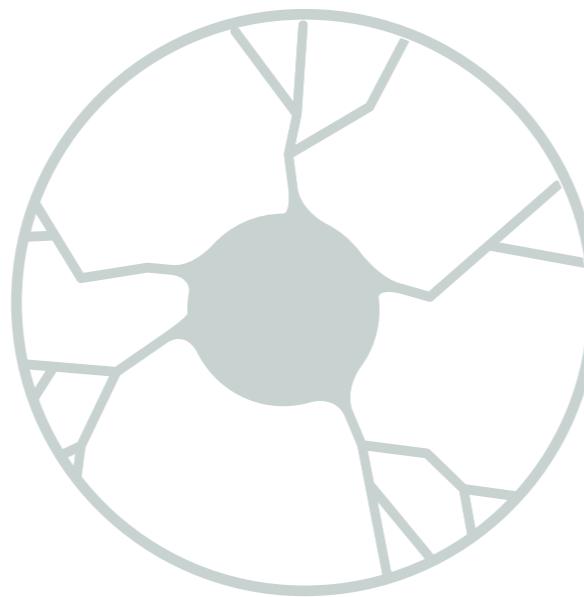
Apply



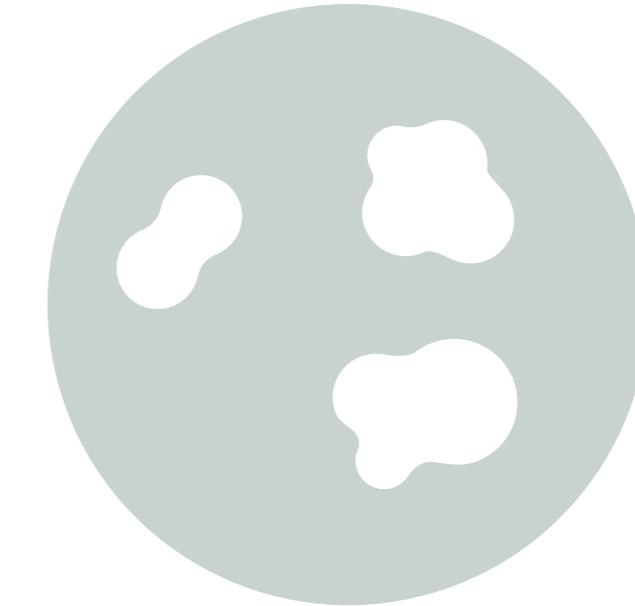
We want to lower the threshold
for anyone who wants to practise
biotechnology and push innovation.



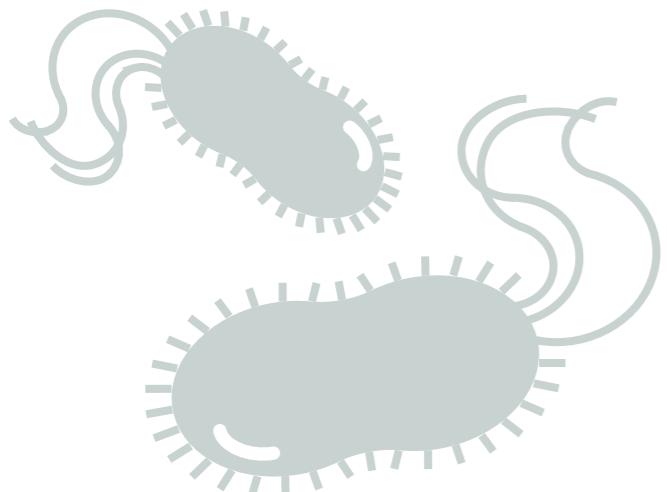
YEAST



CELLS



ALGAE



MICROBES



FUNGI



SYNTHETIC

ARCHITECTURE

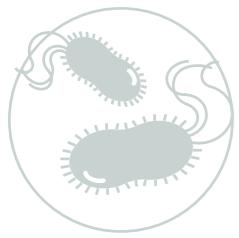


HY-FI TOWER NEW YORK ECOVATIVE / THE LIVING

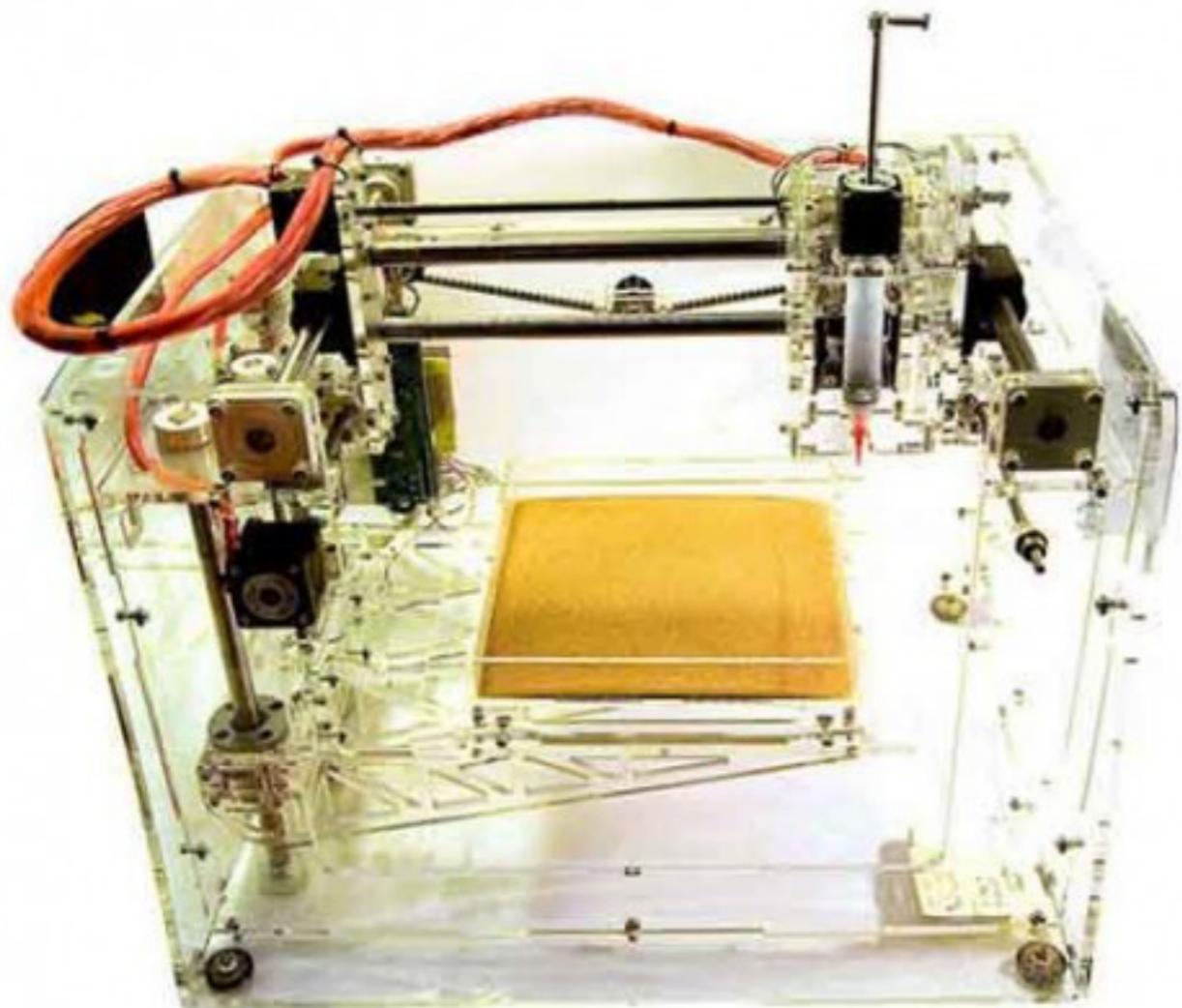
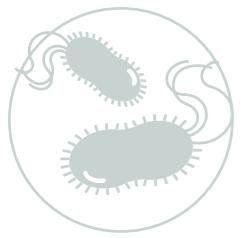




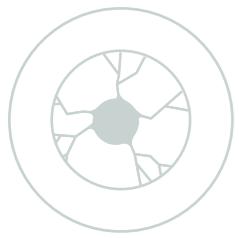




**SELF REPAIRING CONCRETE
HENK JONKERS TU DELFT**



**BIOBRICKS
BIOMASON**



BAUBOTANIK TOWER FRANZ LUDWIG



diagram of
scaffolding
structure.

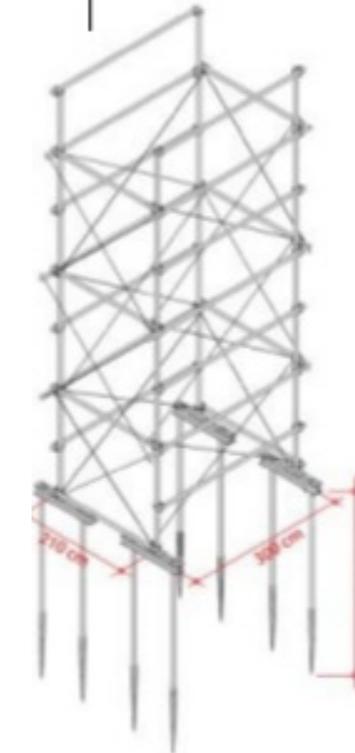
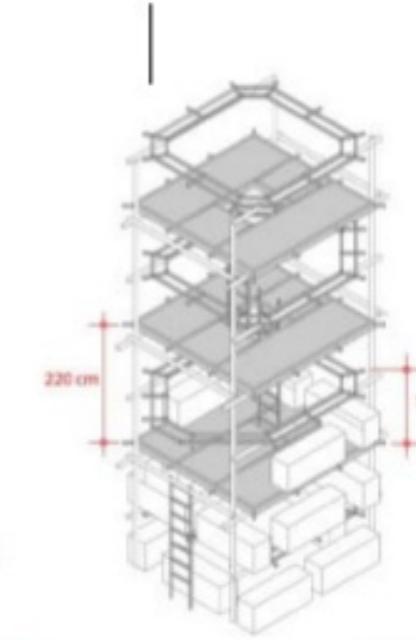
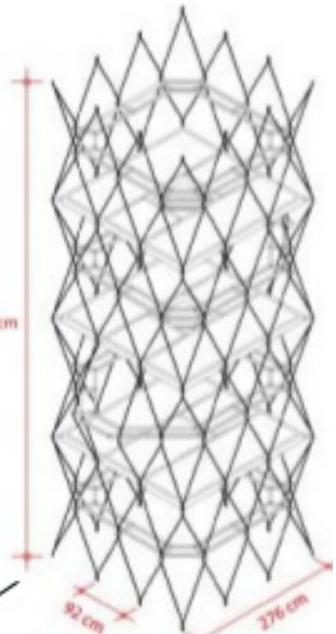


diagram of
floor plates.



scaffolding
with the tree
columns in
place





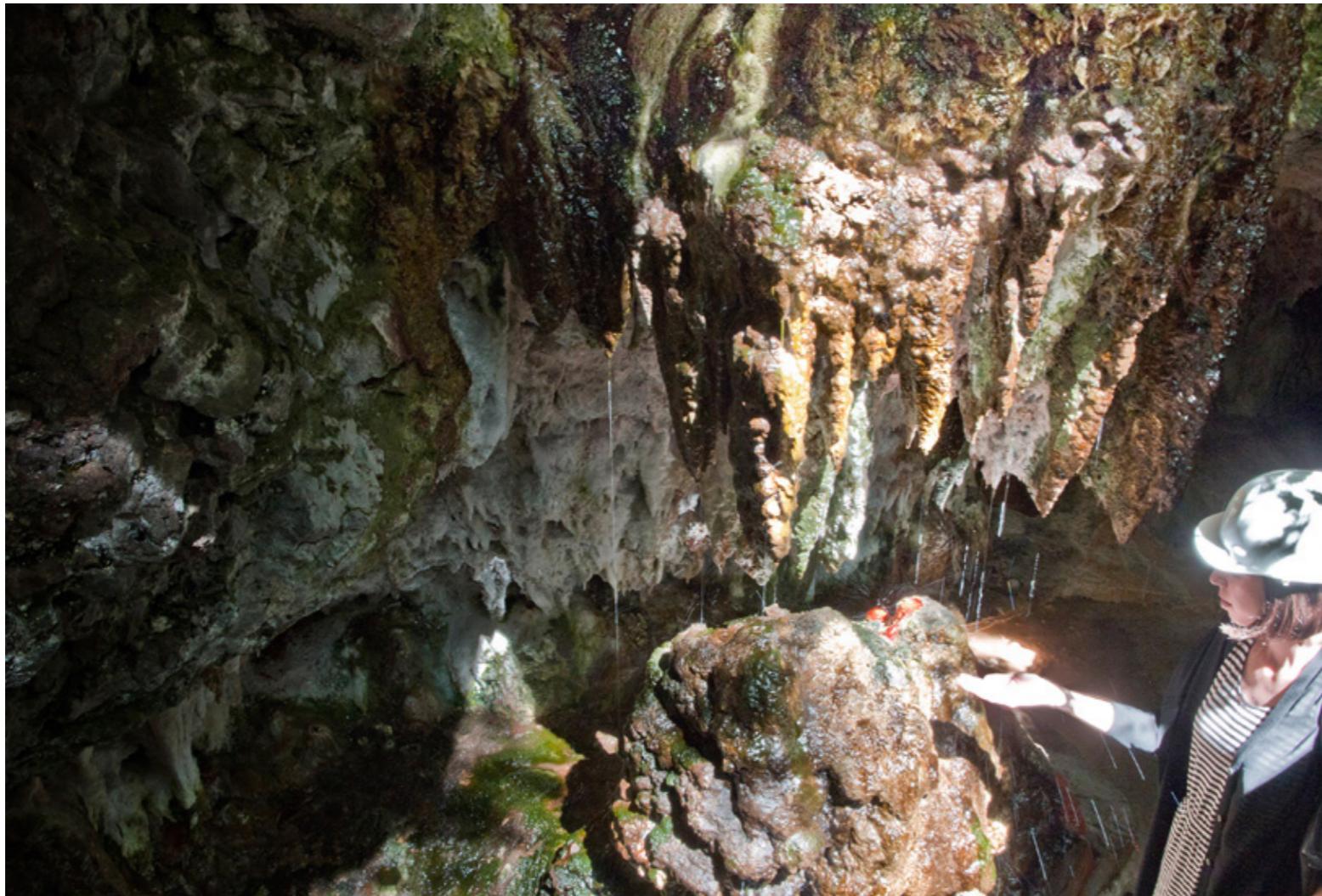
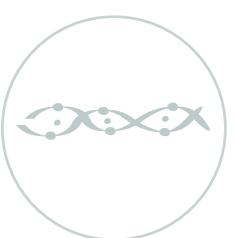
DESIGN



**ECOVATIVE DESIGN
MYCELIUM PRODUCTS**



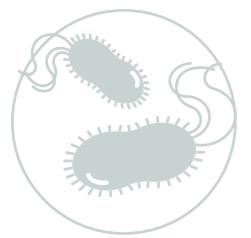
OFFICINA CORPUSCOLI
MYCELIUM PRODUCTS



CaCO₃ - STONEWARE
LAURA LYNN JANSEN



FASHION



FABER FUTURES NATSAI CHIEZA





BLEU
BLOND & BIEBER



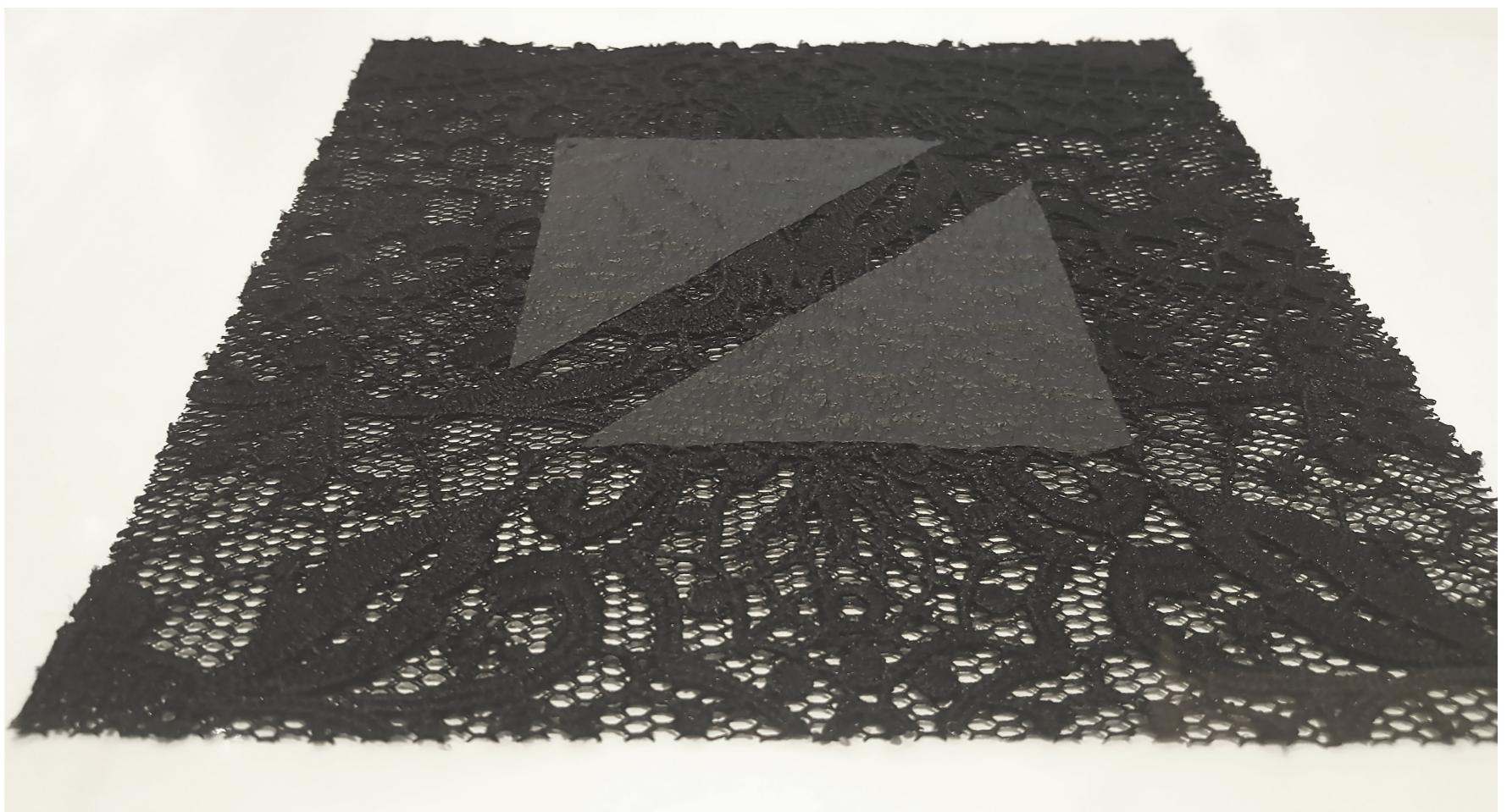
MYCOTEX
ANIELA HOITINK



Futurecraft Biofabric shoes
adidas x AMSilk



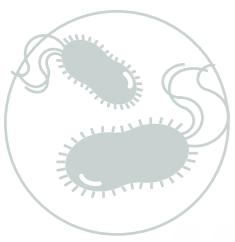
Moonparka
Spiber x The North Face



ZOA
Modern Meadow

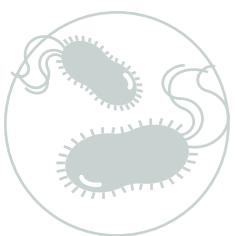


LIFESTYLE

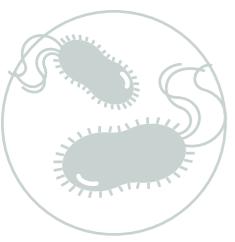


BIOME SKINCARE MOTHER DIRT





**FERMENTED COFFEE
AFINEUR**



**E.CHROMI
DAISY GINSBERG**



Emma van der Leest
design & research

www.emmavanderleest.com
info@emmavanderleest.com

