



waag society

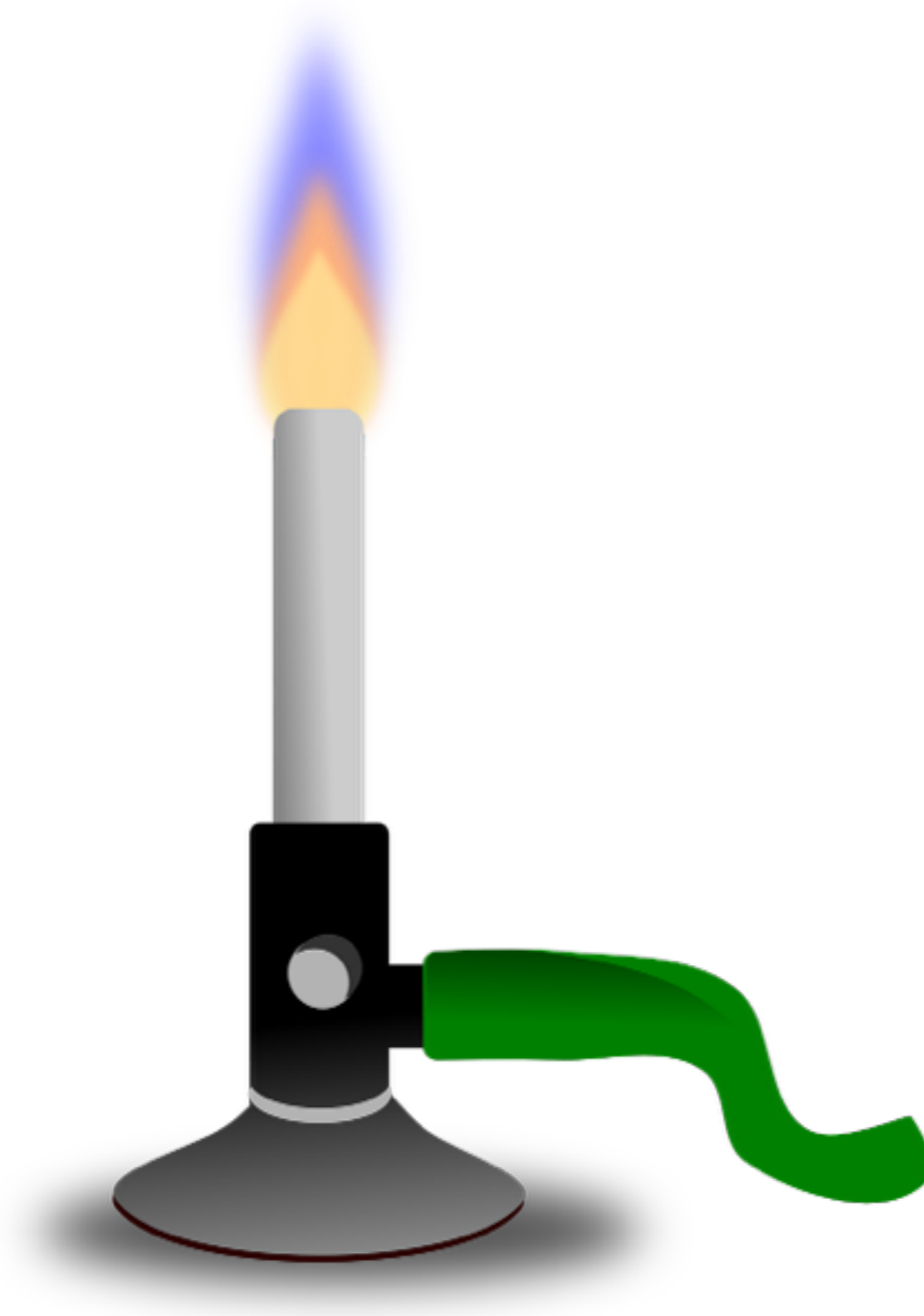
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BioHack Academy Cultivation



Working sterile with gas burner





Preparing plates

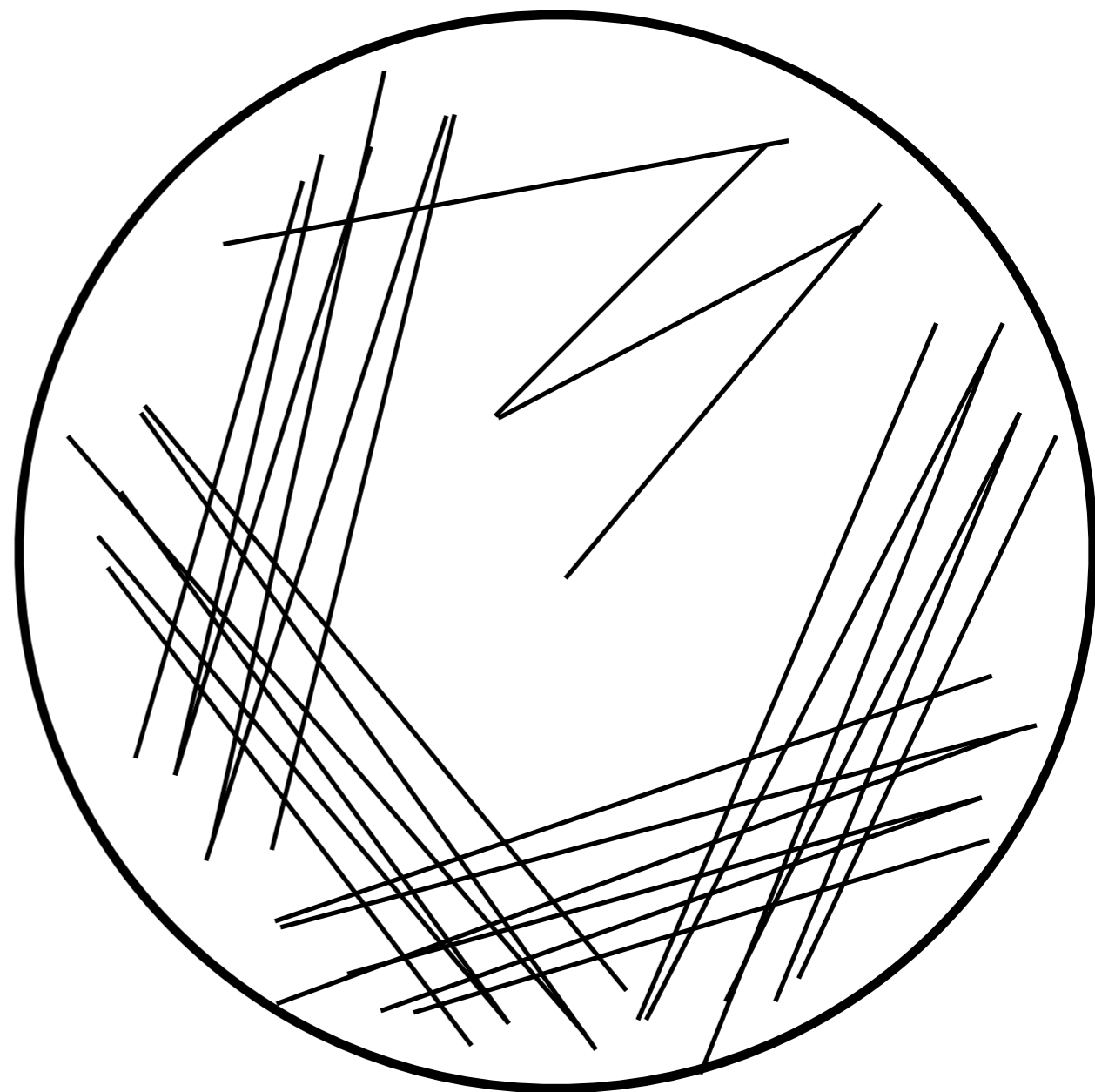
Autoclaving for 20 min

Pouring petri dishes





Inoculation





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Biosafety



Please note

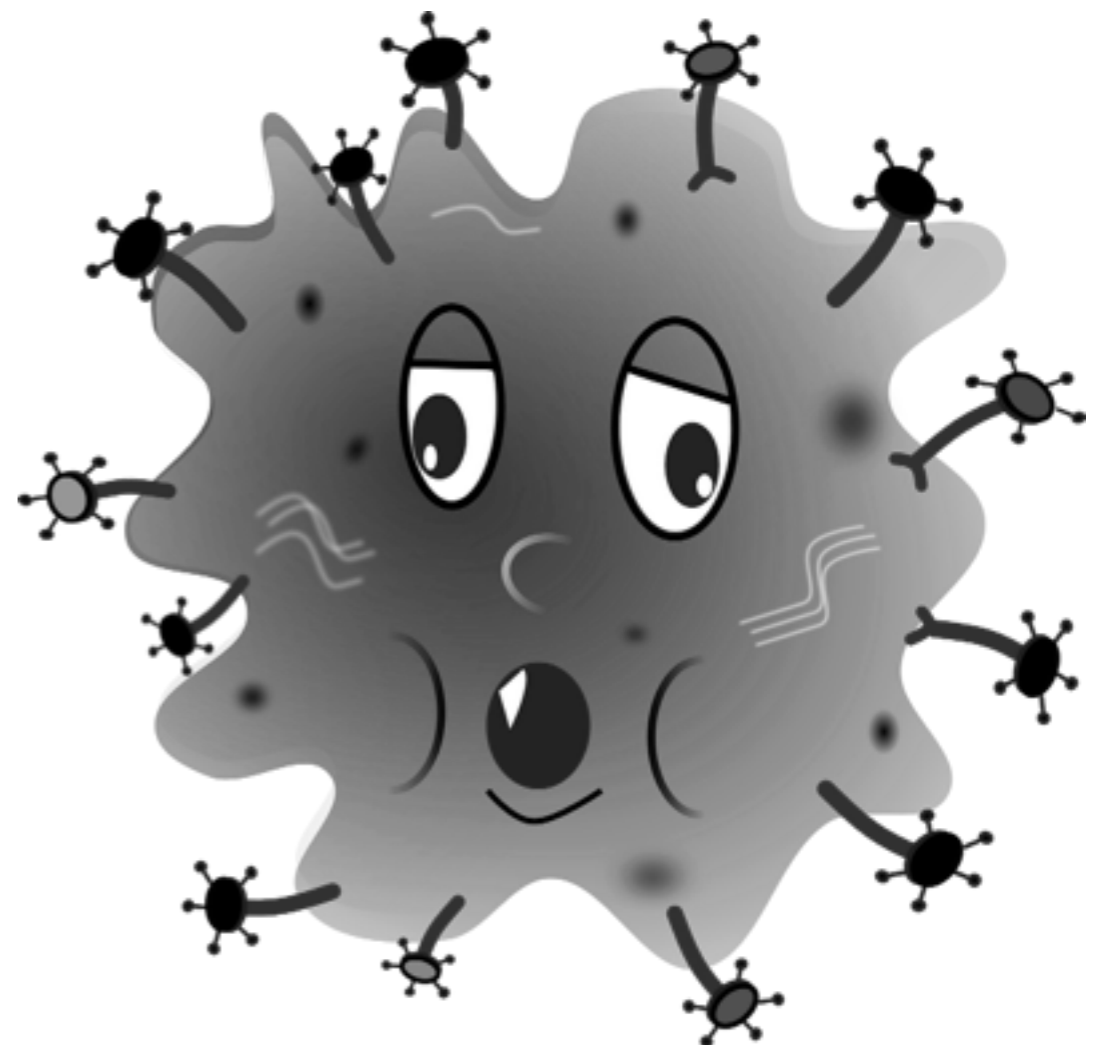
- Only non-pathogenic microbes are used in the Academy
- Wash your hands before and after experimenting
- Do not eat or drink next to the microbes





What to do when you feel ill

- If you are feeling ill after experimenting
 - If you feel like it, go see a doctor
 - Tell him/her with what type of organism you were working
 - Share the outcomes with the Academy coordinator, if relevant





General Rules in the lab

The following general rules apply to working in the lab:

- Wash your hands before entering and when leaving
- Always wear a lab coat
- Clean up any spills immediately
- Label everything!
- Be careful with hot plates, glass ware and the microwave. Others might not suspect that an item is hot.
- Keep an close eye on flames. NEVER leave a flame unattended.
- Keep chemicals away from flames
- Only use machines after instructions
- Do not eat or drink during experiments



How to wear your hair and jewelry

- Tie back long hair
 - Hair is flammable
 - Gets tangled up easily
- Same goes for jewelry
 - No watches
 - No rings
 - No necklaces





Global Harmonized System Labels

Familiarize yourself with the meaning of these symbols:



Explosive



Flammable



Oxidizing



Skin
Irritation



Pollution



Corrosive



Compressed



Wash your hands!

Remember, before and after experiments:

- Wash your hands
- Wash your hands
- Wash your hands
- Wash your hands
- Wash your hands
- Wash your hands
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- Wash your hands
- Wash your hands
- Wash your hands
- Wash your hands
- Wash your hands
- Even after wearing gloves



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Practicals



Wetlab Schedule

Monday, 23rd

10.00–10.30 Introduction

10.30–11.15 Medium preparation

11.15–11.30 Coffee time

11.30–12.00 Inoculation or contamination test

12.00–13.00 Lunch time

13.00–18.00 Openlab

- Make your own experiments
- Make practicals already prepared (beer yeast or yoghurt LB)
- Start with the incubator



Wetlab Schedule

Tuesday, 24th

10.00–10.30 Introduction

10.30–11.15 Medium preparation

11.15–11.30 Coffee time

11.30–12.00 Results observation from the plates prepared the day before

12.00–13.00 Lunch time

13.00–18.00 Openlab

- Make their own experiments
- Make practicals already prepared (beer yeast or yoghurt LB)
- Work on the incubator



Academy tools

- Online Syllabus
 - <http://biohackacademy.github.io>
- Machine reservation
 - <http://biohackacademy.github.io/biofactory/annex/machine-equipment-guide/>



**some
rights**

reserved