



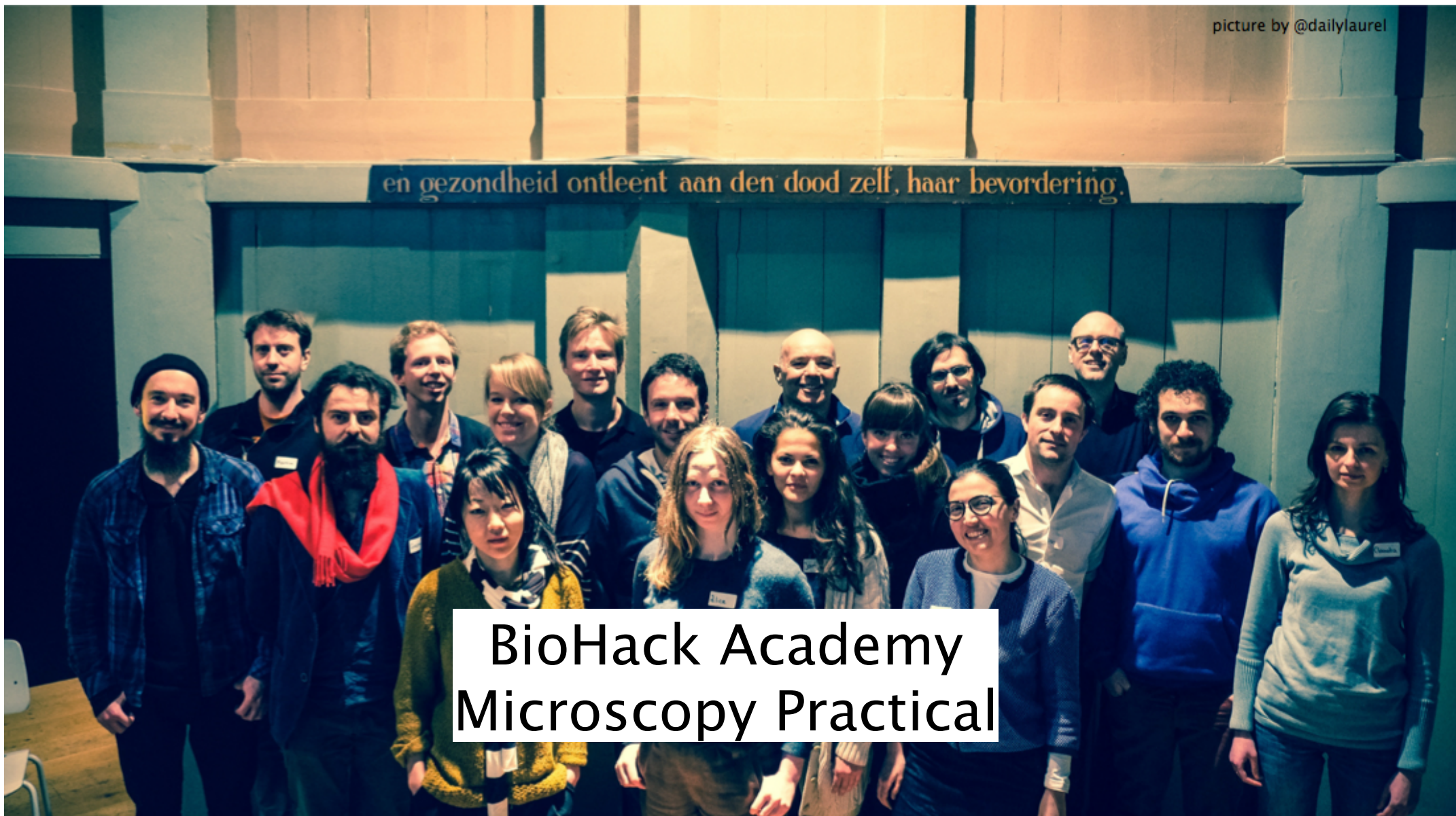
# waag society

institute for art, science and technology

picture by @dailylaurel

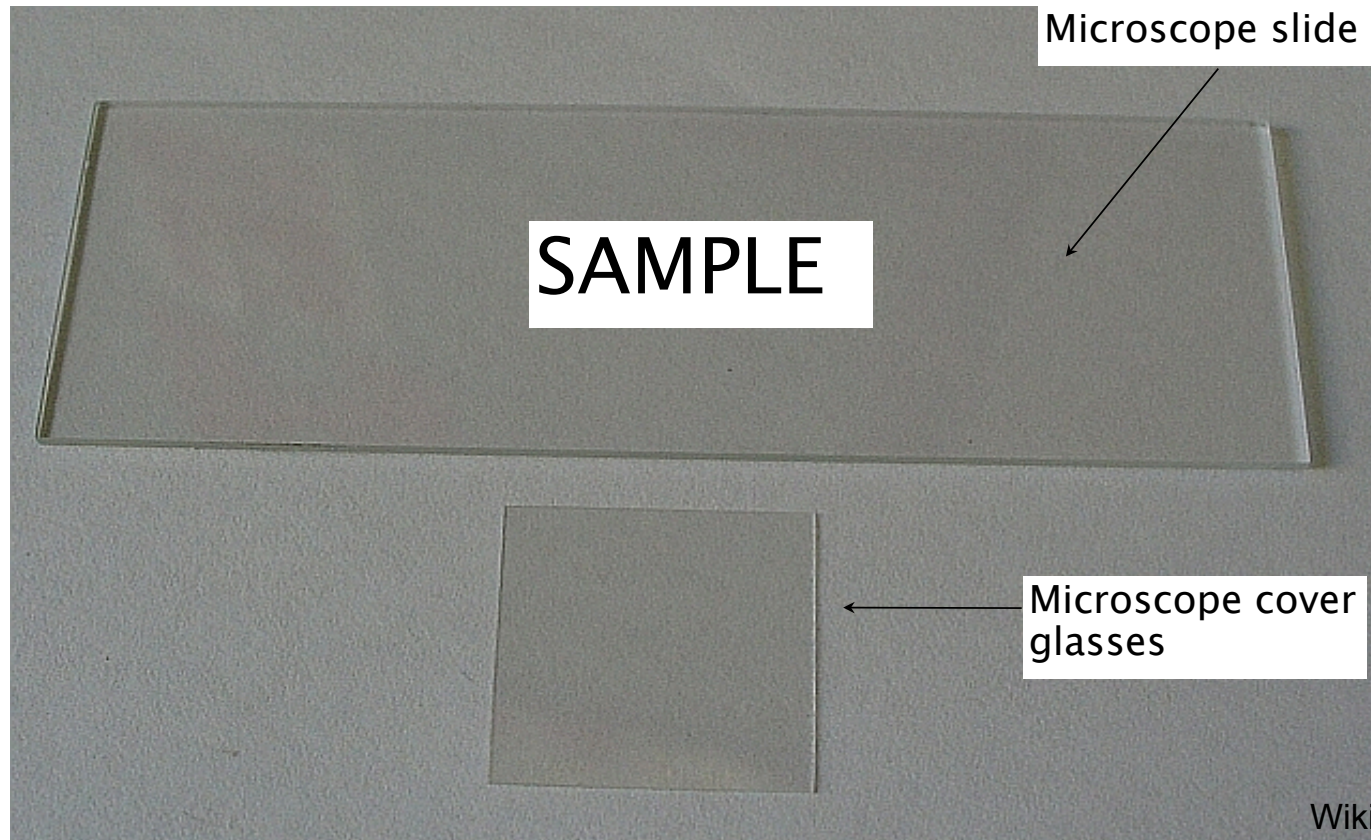
en gezondheid ontleent aan den dood zelf, haar bevordering.

BioHack Academy  
Microscopy Practical



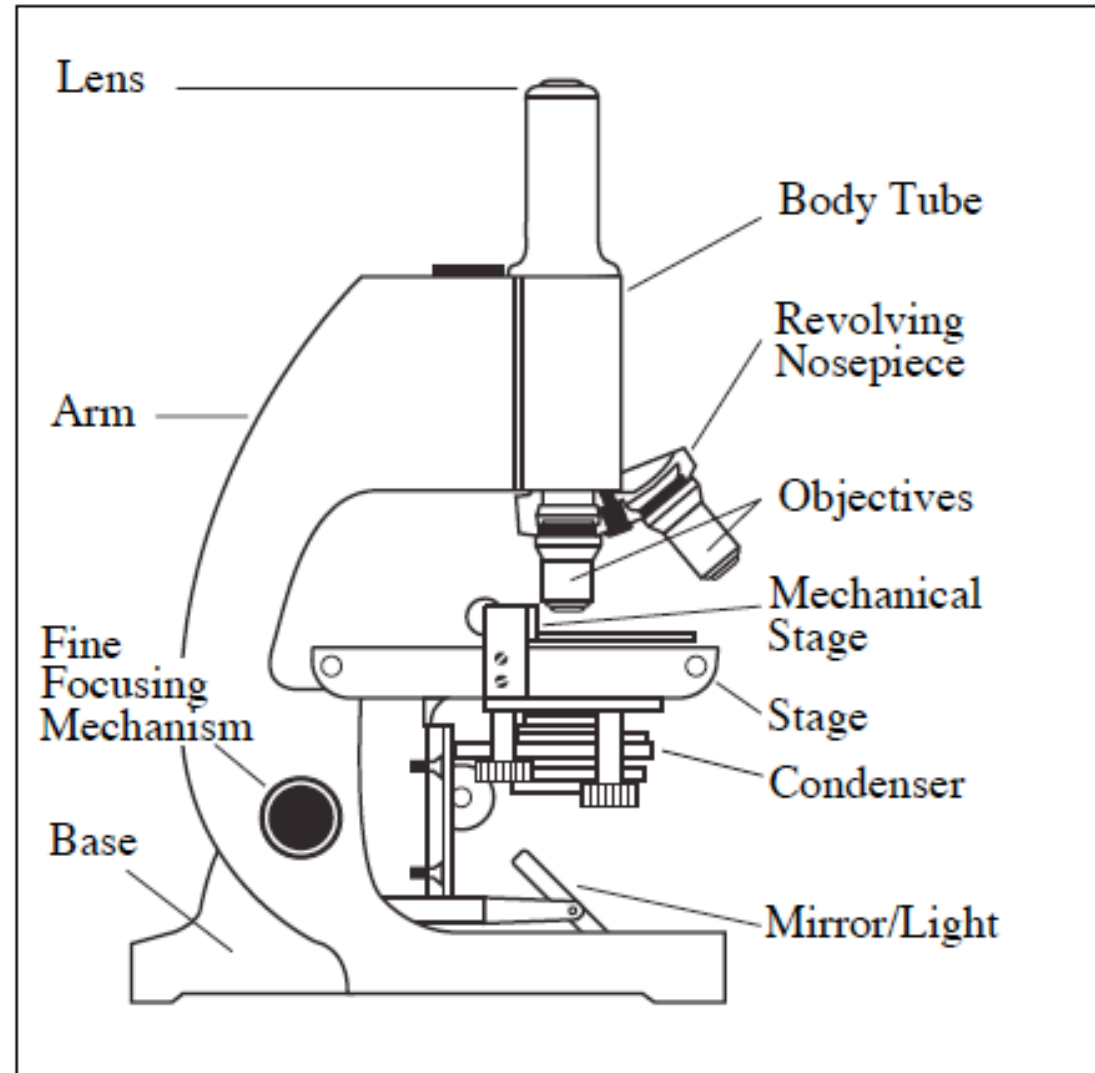


# Preparing microscope slides





# Operating a microscope







# Under the microscope

## From a petri dish

- Put a small droplet of water on a object slide
- Stick the loop into the colony
- Swirl the loop through the droplet on the object slide.
- Cover the droplet with the cover slide.

## From a liquid medium

- Take up a small sample with the pipette.
- Transfer the droplet onto the object slide.
- Cover the droplet with the cover slide.

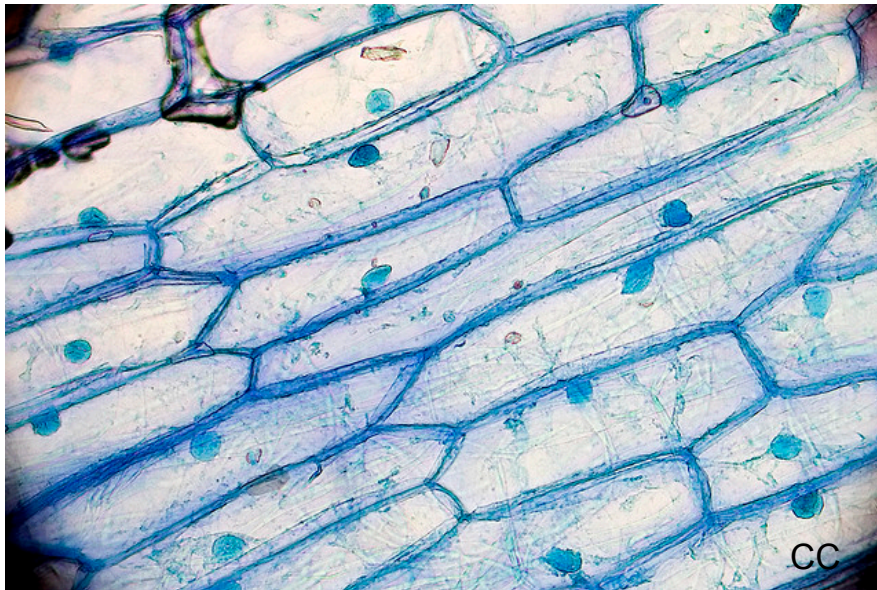




# Loeffler Staining

Visualize cell nuclei in eukaryote cells.

Stain: loeffler's methylene blue solution





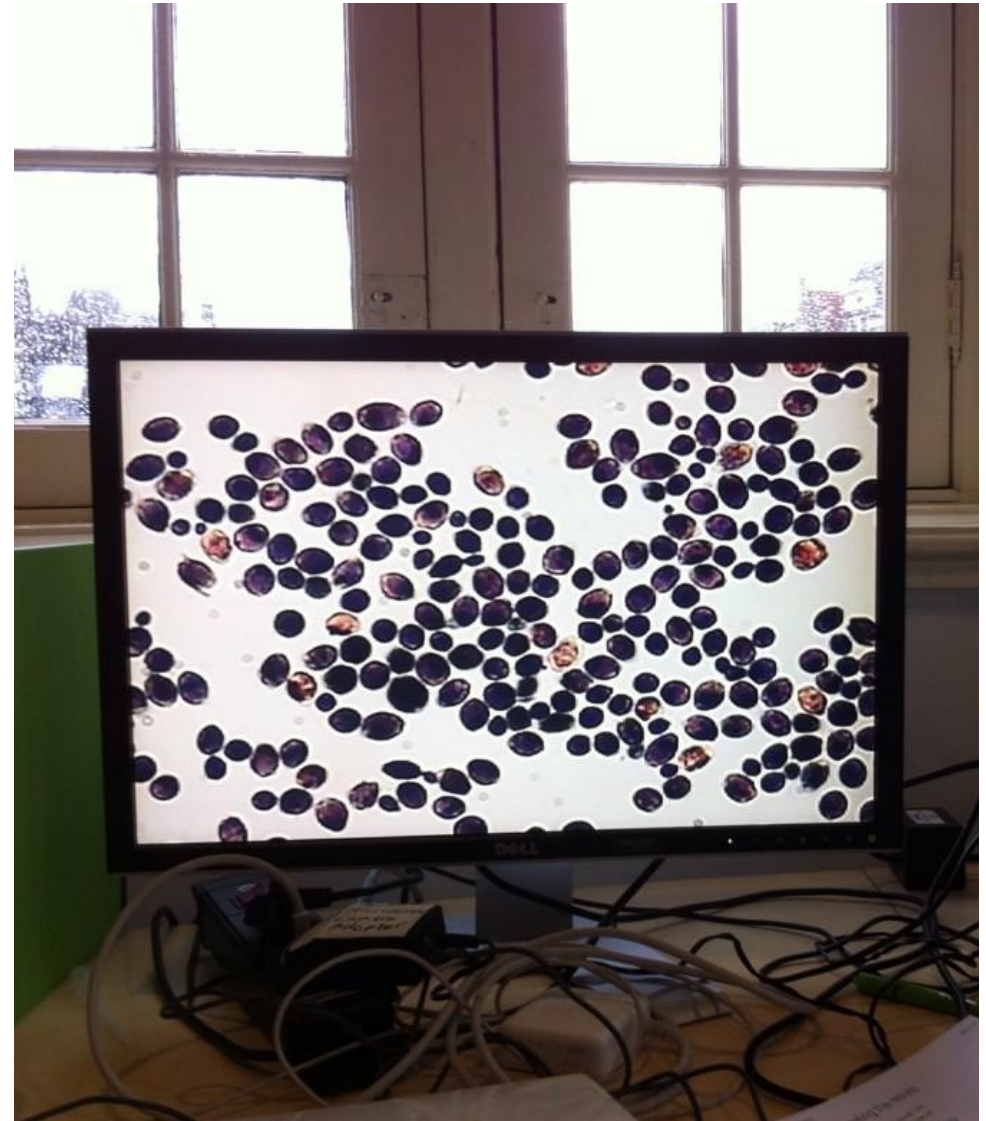
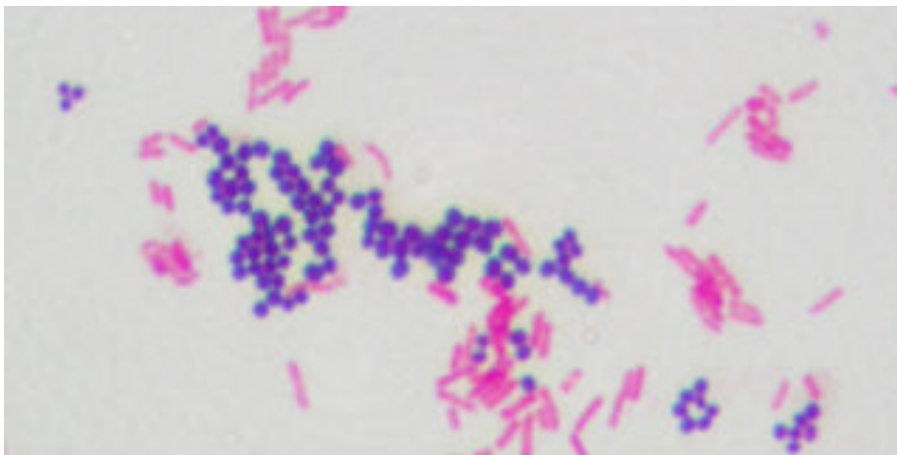


# Gram staining

Assess whether the biological sample contains Gram positive or Gram negative strains.

Gram-positive bacteria will be violet color. Gram-negative bacteria will be red or pink.

Stain: Crystal Violet and Safranin





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