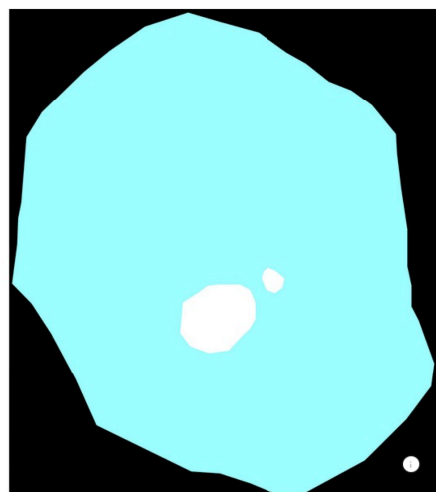
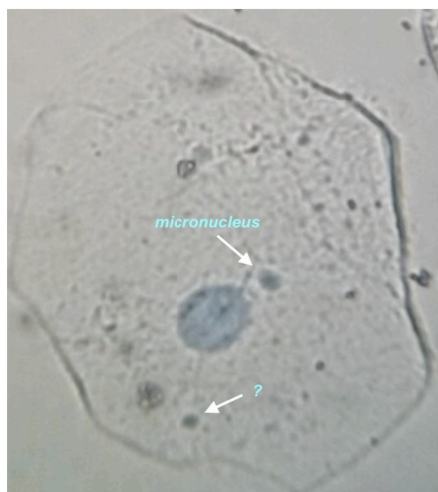


## Micronucleus Workshop to 'Open-Source' DNA Damage Detection

During this three-hour workshop, you will be able to assess levels of DNA damage in your own inner cheek cells.

***Do It Together!***



After gently collecting your own inner cheek cells using your toothbrush, you will work in pairs - accompanied by a friend, relative or other workshop participant - and prepare slides of your own cells to look at under the microscope. This will allow you to count cells and observe the part where most genetic information is found, the nucleus. If a large piece of DNA has broken off in your cell, in addition to the nucleus, occasional "micronuclei" may be found.

It is quite normal to detect a small number of micronuclei, in perhaps 5 out of 1000 normal cells, but too many (perhaps 20-50 of 1000) could mean that you are potentially exposed to genetic risk factors or your cells have a problem with DNA repair. In fact, we have at least 100 DNA damage repair genes!

Come 'do it together' at Hackuarium, to learn more about cells, biosafety issues and the quantitative methods essential for informative experiments, the statistical challenges of interpreting results, and ultimately understand more about how environmental and behavioural risks influence our health.

At the Hackuarium community laboratory, we promote participatory research and open science.

Come join in and learn more during this workshop!

For more information, see: <https://wiki.hackuarium.ch>

**Date and time** 18 February 2024, from 14h to 17h

**Recommended age:** suitable for all, from 9 to 99 years...

**Location:** Hackuarium, Route de Crochy 20, 1024 Ecublens

**Cost:** 25- chf (30- chf for two participants)

**For more information and to sign up for the workshop contact:**

biolab@hackuarium.ch