

BEER DECODED



Beer



Extraction



DNA



Sequencing

ATGCCATTAGCCATGGCA
GGAATGGCATTAGCCATG
ATGGCATTAGCCATGGCA
GGAATGGCATTAGCCATG
ATGGCATTAGCCATGGCA
GGAATGGCATTAGCCATG
ATGCCATTAGCCATGGCA
GGAATGGCATTAGCCATG
ATGGCATTAGCCATGGCA
GGAATGGCATTAGCCATG
ATGGCATTAGCCATGGCA

DNA sequences



Data
analysis



Yeasts

An immersion into biology, bioinformatics & sciences

Hands-on workshops for everyone, organized by scientists



STREET SCIENCE
COMMUNITY

Visit our website: streetscience.community

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BEERDECODED

Purpose: Introduce biology and genomic science to the public and make make pupils and citizens aware about DNA, sequencing technologies, bioinformatics, open science and their applications and their impact on their daily life

Process: 1-2 days continuous (or divided over several days) practical workshop on beer decoding



HANDS-ON WORKSHOPS

Targets: pupils in high school (16 years old and older) and citizens with or without scientific background

Learning objectives: at the end of the workshop, participants will be able to:

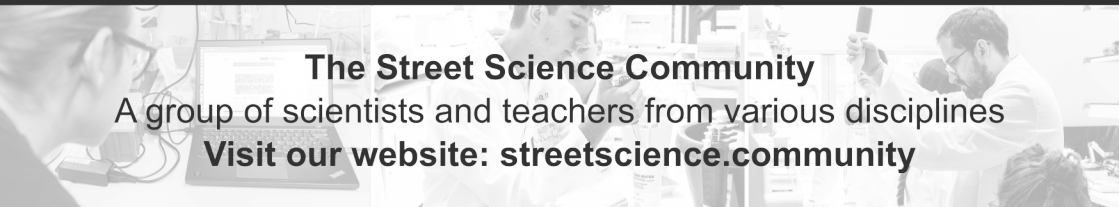
- perform simple laboratory tasks
- give examples of microbes and their diverse roles
- explain what is cell and what it contains
- describe DNA as the building block for life
- give examples of DNA sequencing technologies
- apply a bioinformatics pipeline

Available pedagogical material

- online, free to use and reuse
- ready to use and modular protocols, with designated versions for teachers and pupil, and pedagogical games
- presentation material to introduce the topic, theoretical background for lab-work and bioinformatics, with simple vocabulary
- handbook to run a workshop independently (requirements, suggested timeline, etc)

3 ways to run a workshop

- at the university campus with us
- on site (e.g. at your school) with us
- self-organized using the material online



The Street Science Community

A group of scientists and teachers from various disciplines

Visit our website: streetscience.community