

# Comet Assay - Practical online course/video learning

**Date: 15<sup>th</sup> March – 19<sup>th</sup> March 2021** 

**Location: Teams** 

Organization contacts: NILU (Naouale El Yamani: ney@nilu.no; Alexandra Misci

Hudecova: alh@nilu.no)

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#### **Program (All times in CET)**

## Day 1 (15th March 2021; 09:30-13:30)

09:30 - 09:45 Welcome and Introduction

09:45 – 11:00 Comet assay principles and applications

11:00 - 12:00 Comet assay "Step by step"

12:00 - 12:30 Lunch

12:30 - 13:30 Questions

13.30 - Preparation of solutions, slide pre-coating

## Day 2 (16<sup>th</sup> March 2021; 10:00-16:00)

10.00 -12:00 Video learning

- End of exposure
- Preparation of slides
- Lysis, Fpg treatment, unwinding, electrophoresis
- Staining, scoring

12:00 - 12:30 Lunch

12:30 – 13:30 Questions and planning of hands on experiment

## Day 3 (17<sup>th</sup> March 2021; 09:30-15:00)

10:00 – 10:30 Introduction to Hands on experiment (Part 1)

- End of exposure (10:30 11:00)
- Preparation of slides (11:00 12:00)
- Lysis (12:00 13:00)
- Fpg treatment (13:00 14:00)
- Unwinding + Electrophoresis + Neutralisation (14:00 15:00)

### Day 4 (18th March 2021; 09:30-15:00)

09:30 – 09:45 Introduction to Hands on experiment (Part 2)

- Staining (09:45 10:30)
- Scoring (10:30 15:00)

### Day 5 (19th March 2021; 09:30-12:00)

09:30 - 11:30 Summary and Quiz

11:30 - 12:00 Closure of the workshop

Naouale and Alexandra will be available for questions via Teams or email every day from 09:30 – 16:00.





