

**COST ACTION CA15132 " THE COMET ASSAY AS A HUMAN BIOMONITORING
TOOL (hCOMET)"**



Comet Workshop – Basic comet assay techniques

Organizers: GENuB&H, hCOMET (COST Action, CA15132)

Hosted by the University of Sarajevo – Institute for genetic engineering and biotechnology

Trainers: Andrew R Collins (University of Oslo)
Joao Paulo Teixeira (National Institute of Health, Porto)
Bertrand Pourrut (Institute National Polytechnique de Toulouse, ENSAT)
Mirta Milic (Croatian Institute for Medical Research and Occupational Health)
Amaya Azqueta (University of Navarra)
Julen Sanz (University of Navarra)
Anja Haveric (University of Sarajevo).

Program

5th October

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|-------------|---|
| 9:00-9:30 | Registration |
| 9:30-10:00 | Presentation of hCOMET and the course |
| 10:00-11:00 | Lecture: the comet assay |
| 11:00-11:30 | Coffee break |
| 11:30-13:30 | From moulding gels (2 gels/slide and 12 minigels/slide format) to lysis
Use of plants. |
| 13:30-15:30 | Lunch (while lysis is taking place) |

- 15:30-17:00 Enzyme treatment
Short lecture: the use of enzymes
- 17:00-17:30 Unwinding
- 17:30-18:00 Coffee break
- 18:00-19:00 Electrophoresis
Short lecture: effect of agarose concentration, time of lysis, time of unwinding and electrophoresis conditions in the outcome of the assay
- 19:00-20:00 Washing and fixing
- 20:30 Dinner/optional (**at participants own expenses in Sarajevo Brewery HS - <https://pivnicahs.com/?lang=en>**)

6th October

- 10:00-11:00 Staining
- 11:00-11:30 Coffee break
- 11:30-13:30 Scoring and results
- 13:30-15:30 Lunch
- 15:30-17:30 Summary, tips, questions, comments...