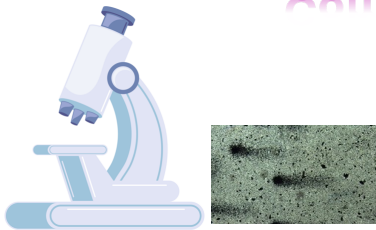
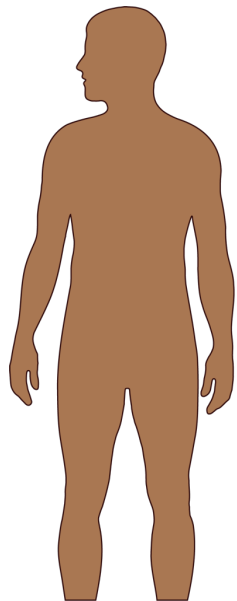




Comet assay



Human intervention studies



Anthocyanin-rich dietary sources



Coffee and green tea



Other polyphenol-rich dietary sources

% DNA damage

15–55%
reduction

12–66%
reduction

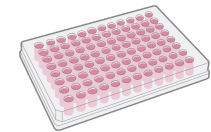
For green tea, inter-individual
variabilities in the effect have
been observed.

13–74%
reduction

PERSPECTIVES

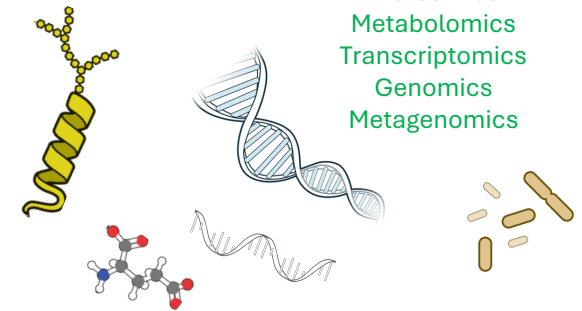
Innovative solutions, highly automated Comet assay

Standardization
High throughput
Quality and Reproducibility
Detection of many types of DNA lesions
Fully automated image analysis



Integration with other “omics” technologies

Proteomics
Metabolomics
Transcriptomics
Genomics
Metagenomics



In-depth analysis of molecular mechanisms of action
Deciphering inter-individual variabilities in the effect