Resource Summary Report

Generated by RRID on Aug 12, 2026

OpenComet

RRID:SCR_021826
Type: Tool

Proper Citation

OpenComet (RRID:SCR_021826)

Resource Information

URL: https://cometbio.org/

Proper Citation: OpenComet (RRID:SCR_021826)

Description: Software tool to quantify comet parameters while studying DNA strand breaks. Automated tool for comet assay image analysis.

Resource Type: software application, data processing software, image analysis software, software resource

Defining Citation: PMID:24624335

Keywords: quantify comet parameters, DNA strand breaks, comet assay image analysis

Availability: Free, Available for download, Freely available

Resource Name: OpenComet

Resource ID: SCR_021826

Record Creation Time: 20220129T080357+0000

Record Last Update: 20260812T044413+0000

Ratings and Alerts

No rating or validation information has been found for OpenComet.

No alerts have been found for OpenComet.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 55 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID .

Tan GYT, et al. (2026) BMAL2 is a druggable target for ovarian clear cell carcinoma (OCCC). EMBO molecular medicine, 18(5), 1933.

Mavroeidi D, et al. (2026) ATR Blockade Potentiates the Effects of Genotoxic Agents In Vitro and Promotes Antitumor Immunity in a Mouse Model of Non-Small Cell Lung Cancer. Cancers, 18(5).

George J, et al. (2026) Single-cell transcriptomics reveals FXR1 as an actionable target for siRNA therapy in ovarian cancer. Nature communications, 17(1).

Wang D, et al. (2026) PRMT5 is Frequently Upregulated and a Potential Therapeutic Target in MTAP-deficient Malignant Peripheral Nerve Sheath Tumors. bioRxiv : the preprint server for biology.

Tankka AT, et al. (2026) Integrative CRISPR Screening and RNA Analyses Discover an Essential Role for PUF60 Interactions with 3' Splice Sites in Cancer Progression. Cancer research, 86(7), 1586.

Pastrana CC, et al. (2026) Nonsense-Mediated RNA Decay Is a Targetable Vulnerability in Splicing Factor Mutant Myeloid Neoplasms by Enhancing R-Loop Accumulation and DNA Damage. Cancer research, 86(14), 3537.

Yapindi L, et al. (2026) Dual Inhibition of TRIP13 and Aurora A Induces Mitotic DNA Damage and Concurrent Pyroptotic-Apoptotic Cell Death in Rb-Deficient Cancer Cells. Clinical cancer research : an official journal of the American Association for Cancer Research, 32(14), 3043.

Wu L, et al. (2025) Evaluating H2BC9 as a potential diagnostic and prognostic biomarker in head and neck squamous cell carcinoma. European journal of medical research, 30(1), 54.

Ribeiro DL, et al. (2025) Alkaline Bromodeoxyuridine (BrdU) Comet Assay to Detect Replication-Associated DNA Damage. Current protocols, 5(12), e70275.

Xu Y, et al. (2025) NSUN5 Mediates Resistance to Doxorubicin via Up-regulation of DNA Damage Repair Proteins BRCA2 and BRIP1 in Colorectal Cancer. The American journal of pathology, 195(10), 1921.

Malamos P, et al. (2025) DNA Damage Response and Redox Status in the Resistance of Multiple Myeloma Cells to Genotoxic Treatment. International journal of molecular sciences, 26(20).

Jin C, et al. (2024) The dimeric deubiquitinase USP28 integrates 53BP1 and MYC functions to limit DNA damage. Nucleic acids research, 52(6), 3011.

Ahmad T, et al. (2024) RAD18- and BRCA1-dependent pathways promote cellular tolerance to the nucleoside analog ganciclovir. Genes to cells : devoted to molecular & cellular mechanisms, 29(11), 935.

Walton B, et al. (2024) Obesity Induces DNA Damage in Mammary Epithelial Cells Exacerbated by Acrylamide Treatment through CYP2E1-Mediated Oxidative Stress. Toxics, 12(7).

Stuart A, et al. (2024) Replicative senescence is ATM driven, reversible, and accelerated by hyperactivation of ATM at normoxia. bioRxiv : the preprint server for biology.

Elvira-Blázquez D, et al. (2024) YTHDC1 m6A-dependent and m6A-independent functions converge to preserve the DNA damage response. The EMBO journal, 43(16), 3494.

Mavroeidi D, et al. (2024) DNA Damage Response Network and Intracellular Redox Status in the Clinical Outcome of Patients with Lung Cancer. Cancers, 16(24).

Statello L, et al. (2024) The chromatin-associated lncREST ensures effective replication stress response by promoting the assembly of fork signaling factors. Nature communications, 15(1), 978.

Huang M, et al. (2024) PINX1 loss confers susceptibility to PARP inhibition in pan-cancer cells. Cell death & disease, 15(8), 610.

Muñoz S, et al. (2024) RAD51 restricts DNA over-replication from re-activated origins. The EMBO journal, 43(6), 1043.