

Resource Summary Report

Generated by [Kravitz](#) on Sep 10, 2026

ECLIPSE

RRID:SCR_013130

Type: Tool

Proper Citation

ECLIPSE (RRID:SCR_013130)

Resource Information

URL: <http://www.stat.washington.edu/thompson/Genepi/Eclipse.shtml>

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Description: A set of three programs, preproc, eclipse2 and eclipse3 which analyze genetic marker data for genotypic errors and pedigree errors. Using a single preprocessing program (preproc), eclipse2 analyzes data on pairs of individuals, and eclipse3 analyzes data jointly on trios. (entry from Genetic Analysis Software)

Synonyms: Error Correcting Likelihoods In Pedigree Structure Estimation. PANGAEA

Resource Type: software application, software resource

Keywords: gene, genetic, genomic, c++, tested on, unix, (compaq tru64 v5.0a), bio.tools

Resource Name: ECLIPSE

Resource ID: SCR_013130

Alternate IDs: biotools:eclipse, nlx_154290

Alternate URLs: <https://bio.tools/eclipse>

Record Creation Time: 20220129T080314+0000

Record Last Update: 20260905T133254+0000

Ratings and Alerts

No rating or validation information has been found for ECLIPSE.

No alerts have been found for ECLIPSE.

Data and Source Information

Usage and Citation Metrics

We found 124 mentions in open access literature.

Listed below are recent publications. The full list is available at [Kravitz](#) .

Burns EC, et al. (2026) VDJdive and ECLIPSE enhance single-cell TCR sequencing analysis through the probabilistic resolution of ambiguous clonotypes. bioRxiv : the preprint server for biology.

Keane E, et al. (2026) Impact of respiratory motion on dose to the airways in central and ultra-central lung stereotactic ablative body radiotherapy. Physics and imaging in radiation oncology, 38, 100937.

Santiago-Ruiz AN, et al. (2026) Morphological and Hyperphosphorylation Transitions of Nanoscale Tau Aggregates in Alzheimer's Disease. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(6), e09773.

Hazelwood K, et al. (2025) An investigation into the feasibility and efficacy of stereotactic radiosurgery for 1-3cm single brain lesions on the ring-mounted Halcyon LINAC. Journal of applied clinical medical physics, 26(6), e70105.

Zheng J, et al. (2025) Impact of transducer arrays on deep-seated dosimetry in radiotherapy with concurrent TTFIELDS for glioblastoma (extreme analysis). BMC cancer, 25(1), 600.

McCarthy S, et al. (2025) A knowledge-based planning model to identify fraction-reduction opportunities in brain stereotactic radiotherapy. Journal of applied clinical medical physics, 26(4), e70055.

Kunkyab T, et al. (2025) Evaluation of dosimetric and spatial accuracy of a virtual cone technique for radiosurgery using linac-integrated CBCT-based polymer gel dosimetry. Journal of applied clinical medical physics, 26(6), e70081.

Grady M, et al. (2025) Improved glycemic outcomes in people with type 2 diabetes using smart blood glucose monitoring integrated with popular digital health therapeutics. Scientific reports, 15(1), 8871.

Duc HD, et al. (2025) Long-Term Survival and Prognostic Factors of Stereotactic Body Radiotherapy Following Transarterial Chemoembolization for Hepatocellular Carcinoma. Cancer reports (Hoboken, N.J.), 8(5), e70212.

Sharma D, et al. (2025) Tandem association of CLOCK:BMAL1 complexes on DNA enables recruitment of CBP/p300 through multivalent interactions. bioRxiv : the preprint server for biology.

Salmic K, et al. (2025) Deviation of the upper, middle and lower thirds of the rectum during irradiation of rectum cancer. Radiology and oncology, 59(2), 277.

Reis CQM, et al. (2025) Feasibility of volumetric-modulated arc therapy gating for cardiac radioablation using real-time ECG signal acquisition and a dynamic phantom. *Medical physics*, 52(3), 1758.

Cai JH, et al. (2025) Dosimetric and Radiobiological Impact of Patient Setup Errors in Intensity-modulated Radiotherapy for Esophageal Cancer. *Technology in cancer research & treatment*, 24, 15330338241311136.

Jones M, et al. (2025) Gambling, suicide and mental health treatment utilisation in Wales: case-control, whole-population-based study. *BJPsych open*, 11(6), e234.

Lucas O, et al. (2025) Characterizing the evolutionary dynamics of cancer proliferation in single-cell clones with SPRINTER. *Nature genetics*, 57(1), 103.

Howard LK, et al. (2025) Advantages and limitations of navigation-based multicriteria optimization (MCO) in selectively sparing pharyngeal constrictor muscles in head and neck radiotherapy treatment planning. *Journal of applied clinical medical physics*, 26(7), e70112.

Li Y, et al. (2025) Hypoxia-guided treatment planning for lung cancer with dose painting by numbers. *Journal of applied clinical medical physics*, 26(4), e14609.

Liao SX, et al. (2025) Integrating bulk and single-cell RNA sequencing data: unveiling RNA methylation and autophagy-related signatures in chronic obstructive pulmonary disease patients. *Scientific reports*, 15(1), 4005.

Yau T, et al. (2024) A four-dimensional dynamic conformal arc approach for real-time tumor tracking: A retrospective treatment planning study. *Journal of applied clinical medical physics*, 25(3), e14224.

Wang Y, et al. (2024) Deep Learning-Based Prediction of Radiation Therapy Dose Distributions in Nasopharyngeal Carcinomas: A Preliminary Study Incorporating Multiple Features Including Images, Structures, and Dosimetry. *Technology in cancer research & treatment*, 23, 15330338241256594.