

# Resource Summary Report

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## ECLIPSE

RRID:SCR\_013130

Type: Tool

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### Proper Citation

ECLIPSE (RRID:SCR\_013130)

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### 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:** 20260829T183115+0000

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### Ratings and Alerts

No rating or validation information has been found for ECLIPSE.

No alerts have been found for ECLIPSE.

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### 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 [NIF](#) .

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.

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.

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.

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.

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.

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.

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

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.

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.