# Resource Summary Report

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## 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 eclise3 analyzes data jointly on trios. (entry from Genetic Analysis Software)

**Synonyms:** Error Correcting Likelihoods In Pedigree Structure Estimation. PANGAEA

**Resource Type:** software resource, software application

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

**Funding:**

**Resource Name:** ECLIPSE

**Resource ID:** SCR_013130

**Alternate IDs:** nlx_154290, biotools:eclipse

**Alternate URLs:** https://bio.tools/eclipse

**Record Creation Time:** 20220129T080314+0000

**Record Last Update:** 20250416T063637+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

**Source:** SciCrunch Registry

## Usage and Citation Metrics

We found 109 mentions in open access literature.

**Listed below are recent publications.** The full list is available at FDI Lab - SciCrunch.org.


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.

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

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.

Scholz-Kreisel P, et al. (2024) Subsequent primary neoplasms after childhood cancer therapy - design and description of the German nested case-control study STATT-SCAR. Cancer causes & control : CCC, 35(1), 33.

Nuwangi H, et al. (2024) Stigma associated with cutaneous leishmaniasis in rural Sri Lanka: development of a conceptual framework. International health, 16(5), 553.

Kunkyab T, et al. (2024) Semi-automated vertex placement for lattice radiotherapy and dosimetric verification using 3D polymer gel dosimetry. Journal of applied clinical medical physics, 25(11), e14489.

Hugelier S, et al. (2024) ECLiPSE: a versatile classification technique for structural and

morphological analysis of 2D and 3D single-molecule localization microscopy data. Nature methods, 21(10), 1909.

Lim SB, et al. (2023) Evaluation of OrthoChromic OC-1 films for photon radiotherapy application. Journal of radiation research, 64(1), 105.

Chen K, et al. (2023) A Trusted Reputation Management Scheme for Cross-Chain Transactions. Sensors (Basel, Switzerland), 23(13).

Penev KI, et al. (2023) Optimization of the Dose Rate Effect in Tetrazolium Gellan Gel Dosimeters. Gels (Basel, Switzerland), 9(4).

Richarz HU, et al. (2023) The impact of mechanical devices for lifting and transferring of patients on low back pain and musculoskeletal injuries in health care personnel-A systematic review and meta-analysis. Journal of occupational health, 65(1), e12423.

Abbosh C, et al. (2023) Tracking early lung cancer metastatic dissemination in TRACERx using ctDNA. Nature, 616(7957), 553.

Omidi A, et al. (2023) Effects of respiratory and cardiac motion on estimating radiation dose to the left ventricle during radiotherapy for lung cancer. Journal of applied clinical medical physics, 24(3), e13855.

Nawaz MO, et al. (2023) A Source Apportionment and Emission Scenario Assessment of PM2.5- and O3-Related Health Impacts in G20 Countries. GeoHealth, 7(1), e2022GH000713.

Lemus OMD, et al. (2023) Influence of air mapping errors on the dosimetric accuracy of prostate CBCT-guided online adaptive radiation therapy. Journal of applied clinical medical physics, 24(10), e14057.

Baltz GC, et al. (2023) A hybrid method to improve efficiency of patient specific SRS and SBRT QA using 3D secondary dose verification. Journal of applied clinical medical physics, 24(3), e13858.

Mahase SS, et al. (2023) Concurrent immunotherapy and re-irradiation utilizing stereotactic body radiotherapy for recurrent high-grade gliomas. Cancer reports (Hoboken, N.J.), 6(7), e1788.

Copeland-Halperin LR, et al. (2023) Impact of Prepectoral vs. Subpectoral Tissue Expander Placement on Post-mastectomy Radiation Therapy Delivery: A Retrospective Cohort Study. Plastic and reconstructive surgery. Global open, 11(12), e5434.