

Resource Summary Report

Generated by SPARC SAWG on Sep 17, 2026

BEAM

RRID:SCR_007258

Type: Tool

Proper Citation

BEAM (RRID:SCR_007258)

Resource Information

URL: <http://www.people.fas.harvard.edu/~junliu/BEAM/>

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Description: Software application that treats the disease-associated markers and their interactions via a bayesian partitioning model and computes, via Markov chain Monte Carlo, the posterior probability that each marker set is associated with the disease. (entry from Genetic Analysis Software)

Abbreviations: BEAM

Synonyms: Bayesian Epistasis Association Mapping

Resource Type: software application, software resource

Keywords: gene, genetic, genomic, c++, unix, linux, dos

Resource Name: BEAM

Resource ID: SCR_007258

Alternate IDs: nlx_154240

Record Creation Time: 20220129T080240+0000

Record Last Update: 20260912T200236+0000

Ratings and Alerts

No rating or validation information has been found for BEAM.

No alerts have been found for BEAM.

Data and Source Information

Usage and Citation Metrics

We found 665 mentions in open access literature.

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

Staklinski SJ, et al. (2026) Bayesian inference of tissue-migration histories in metastatic cancer from cell-lineage tracing data. *Cell genomics*, 6(6), 101193.

Shen X, et al. (2026) A foundation model for nucleotide sequences. *Nucleic acids research*, 54(6).

Lin Z, et al. (2026) Spatiotemporal dynamics and regulation of suture morphology and collagen remodeling during trans-sutural distraction osteogenesis. *NPJ Regenerative medicine*, 11(1), 4.

Kleeman SO, et al. (2026) Ectopic NMDAR expression in cancer unmask germline-encoded autoimmunity. *Nature*, 653(8116), 1216.

Chen J, et al. (2026) Integrating single cell- and spatial- resolved transcriptomics unravels the inter-tumor heterogeneity and immunosuppressive landscape in HBV- and Clonorchis sinensis-associated hepatocellular carcinoma. *Molecular cancer*, 25(1), 3.

Zhang G, et al. (2026) M2 macrophages modulate the differentiation of CD8 + CD101-TIM3 + T cells via the SPP1?CD44 pathway, influencing the immunotherapeutic response in NSCLC. *Journal of translational medicine*, 24(1), 134.

Liu Q, et al. (2026) Hypoxia-driven remodeling of SELENOP+ macrophages shapes T cell dynamics and promotes ovarian cancer metastasis. *Nature communications*, 17(1), 1097.

Fu Y, et al. (2026) Helicobacter pylori-Induced Inflammatory Cancer Transformation Microenvironment Drives Gastric Carcinogenesis. *Cellular and molecular gastroenterology and hepatology*, 20(7), 101757.

Wang Y, et al. (2026) POSTN? cancer-associated fibroblast-CCL3? macrophage crosstalk defines the immune-excluded tumor microenvironment in clear cell renal cell carcinoma. *Translational oncology*, 65, 102682.

Sun H, et al. (2026) Ternary mTOR-targeted conductive nanofibrous scaffolds with bioactive peptides orchestrate immune-metabolic-fibrotic balance for diabetic bone regeneration. *Bioactive materials*, 65, 860.

Zhang X, et al. (2026) Functional human salivary gland organoids for tissue regeneration in chemically defined culture systems. *Cell reports. Medicine*, 7(2), 102612.

Hu G, et al. (2026) Single-cell transcriptomic analysis of plant quiescent center by third-generation sequencing reveals developmental trajectories. *Genome biology*, 27(1).

Collantes L, et al. (2026) Three-dimensionally preserved appendages of the early Cambrian trilobite *Yunnanocephalus yunnanensis*. *PeerJ*, 14, e21095.

Iovino L, et al. (2026) Autologous transplant for patients with chemotherapy-sensitive late relapse of diffuse large B-cell lymphoma. *Blood neoplasia*, 3(3), 100240.

Strüßmann T, et al. (2025) Reduced Intensity Conditioning Prior Autologous Stem Cell Transplantation in Elderly DLBCL Patients. *European journal of haematology*, 114(1), 139.

Jiang RD, et al. (2025) Impaired inflammatory resolution with severe SARS-CoV-2 infection in leptin knock out obese hamster. *iScience*, 28(2), 111837.

Oolbekkink S, et al. (2025) Development and demonstration of end-to-end testing for intra-fraction motion-managed workflows. *Medical physics*, 52(9), e18042.

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.

Lee YC, et al. (2025) Routine machine quality assurance tests for a self-shielded gyroscopic radiosurgery system. *Journal of applied clinical medical physics*, 26(4), e14589.

Chen L, et al. (2025) Single-cell Analysis Highlights Anti-apoptotic Subpopulation Promoting Malignant Progression and Predicting Prognosis in Bladder Cancer. *Cancer informatics*, 24, 11769351251323569.