

Resource Summary Report

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milor

RRID:SCR_025630

Type: Tool

Proper Citation

milor (RRID:SCR_025630)

Resource Information

URL: <https://github.com/MarioniLab/milor>

Proper Citation: milor (RRID:SCR_025630)

Description: Software R package implementation of Milo for testing for differential abundance in k-nearest neighbor graphs. Milo can identify perturbations that are obscured by discretizing cells into clusters. Used for differential abundance analysis on KNN graph from single-cell datasets.

Resource Type: software resource, software toolkit, source code

Defining Citation: [PMID:34594043](#)

Keywords: testing for differential abundance, k-nearest neighbor graphs, identify perturbations, differential abundance analysis, KNN graph, single-cell datasets,

Funding:

Availability: Free, Available for download, Freely available,

Resource Name: milor

Resource ID: SCR_025630

Alternate URLs: <https://bioconductor.org/packages/milor/>,
https://github.com/MarioniLab/milo_analysis_2020

License: GNU GPL v3

Record Creation Time: 20240816T053258+0000

Record Last Update: 20250513T062619+0000

Ratings and Alerts

No rating or validation information has been found for miloR.

No alerts have been found for miloR.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 6 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Jenkins BH, et al. (2025) Single cell and spatial analysis of immune-hot and immune-cold tumours identifies fibroblast subtypes associated with distinct immunological niches and positive immunotherapy response. *Molecular cancer*, 24(1), 3.

Dai Y, et al. (2024) Single-cell profiling of the amphioxus digestive tract reveals conservation of endocrine cells in chordates. *Science advances*, 10(51), eadq0702.

Fagiani F, et al. (2024) A glia-enriched stem cell 3D model of the human brain mimics the glial-immune neurodegenerative phenotypes of multiple sclerosis. *Cell reports. Medicine*, 5(8), 101680.

Russick J, et al. (2024) Tumor stage-driven disruption of NK cell maturation in human and murine tumors. *iScience*, 27(11), 111233.

Dann E, et al. (2022) Differential abundance testing on single-cell data using k-nearest neighbor graphs. *Nature biotechnology*, 40(2), 245.

Miao R, et al. (2022) Competition between hematopoietic stem and progenitor cells controls hematopoietic stem cell compartment size. *Nature communications*, 13(1), 4611.