

Resource Summary Report

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DropletUtils

RRID:SCR_026136

Type: Tool

Proper Citation

DropletUtils (RRID:SCR_026136)

Resource Information

URL: <https://bioconductor.org/packages/release/bioc/html/DropletUtils.html>

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Description: Software R package provides number of utility functions for handling single-cell (RNA-seq) data from droplet technologies such as 10X Genomics. This includes data loading from count matrices or molecule information files, identification of cells from empty droplets, removal of barcode-swapped pseudo-cells, and downsampling of the count matrix.

Resource Type: software resource, software toolkit

Keywords: handling single-cell data, RNA-seq data, 10X Genomics,

Availability: Free, Available for download, Freely available

Resource Name: DropletUtils

Resource ID: SCR_026136

Record Creation Time: 20241206T053307+0000

Record Last Update: 20260829T183420+0000

Ratings and Alerts

No rating or validation information has been found for DropletUtils.

No alerts have been found for DropletUtils.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 184 mentions in open access literature.

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

Meghdadi B, et al. (2026) Digital twins for in vivo metabolic flux estimations in patients with brain cancer. *Cell metabolism*, 38(1), 228.

Kim H, et al. (2026) Myelin antigen capture in the CNS by B cells expressing EBV latent membrane protein 1 leads to demyelinating lesion formation. *Cell*.

Horike N, et al. (2026) Excess FGFR3 signaling in achondroplasia disrupts turnover of resting zone chondrocytes via CREB signaling. *Nature communications*, 17(1).

Scharping NE, et al. (2026) Proteostasis sustains T cell differentiation potential and tumor-infiltrating lymphocyte function. *bioRxiv : the preprint server for biology*.

Dharshini SAP, et al. (2026) Molecular signatures of resilience to Alzheimer's disease in neocortical layer 4 neurons. *Nature communications*, 17(1).

Khoury-Farah N, et al. (2026) Gene expression dynamics of human and mouse craniofacial development at the single-cell level. *Nature communications*, 17(1).

Pan Q, et al. (2026) ScRNA-seq reveals dynamic macrophage heterogeneity in chronic liver disease progression and prognostic biomarkers KLF2/SPP1 in HCC. *Frontiers in immunology*, 17, 1766301.

Manakov D, et al. (2026) Single Cell RNA Transcriptomics of Mantle Cell Lymphoma Reveals the Presence of Treatment-Resistant Subclones at the Time of Diagnosis. *American journal of hematology*, 101(5), 1025.

Fouani Y, et al. (2026) Deep-sequencing-guided library screening and profiling of AAV capsids in the primate retina. *Molecular therapy. Advances*, 34(3), 201764.

McGregor C, et al. (2026) Spatial fibroblast niches define Crohn's fistulae. *Nature*, 649(8097), 703.

Huang Y, et al. (2026) Integration of Single-cell and Bulk Transcriptome Analyses Unravels a Macrophage-based Gene Signature for Prognostication and Treatment in Triple-negative Breast Cancer. *International journal of medical sciences*, 23(1), 253.

Howe JR, et al. (2026) Control of innate olfactory valence by segregated cortical amygdala circuits. *eLife*, 14.

Abreu-Mota T, et al. (2026) B cell immunity to the Lassa virus glycoprotein is a correlate of vaccination-induced virus control in mice. *Nature communications*, 17(1).

Luo XX, et al. (2026) Molecular Determinants of Macrophage Polarization in Glioblastoma and Implications for Tumor Progression. *Cells*, 15(6).

Shen L, et al. (2026) T cell receptor-engineered T cells targeting the TP53R248Q neoantigen elicit antitumor effects in human cancer models. *The Journal of clinical investigation*, 136(5).

Xiang Z, et al. (2026) Integrative multi-omics analysis reveals inflammation-related molecular networks in acute mountain sickness. *Frontiers in immunology*, 17, 1745433.

Singh S, et al. (2026) Temporal single-cell transcriptional dynamics of murine pancreatic islet remodeling during hyperglycaemia progression. *Molecular metabolism*, 110, 102387.

Hayashi F, et al. (2026) Antigen specificity of clonally enriched CD8+ T cells in multiple sclerosis. *Nature immunology*, 27(3), 490.

Thefaine CE, et al. (2026) Diverse Microbial Exposure Enhances CD8+ T Cell Effector Memory Output and Function. *bioRxiv : the preprint server for biology*.

Hansen MS, et al. (2026) Optimizing Single-Cell Long-Read Sequencing for Enhanced Isoform Detection in Pancreatic Islets. *Diabetes*, 75(4), 606.