

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>

Proper Citation: DropletUtils (RRID:SCR_026136)

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,

Funding:

Availability: Free, Available for download, Freely available

Resource Name: DropletUtils

Resource ID: SCR_026136

Record Creation Time: 20241206T053307+0000

Record Last Update: 20250525T033114+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 114 mentions in open access literature.

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

Sarkar A, et al. (2025) Ex Vivo Regional Gene Therapy Compared to Recombinant BMP-2 for the Treatment of Critical-Size Bone Defects: An In Vivo Single-Cell RNA-Sequencing Study. *Bioengineering (Basel, Switzerland)*, 12(1).

Deng K, et al. (2025) ImageDoubler: image-based doublet identification in single-cell sequencing. *Nature communications*, 16(1), 21.

Ludwig MQ, et al. (2025) A Cross-Species Atlas of the Dorsal Vagal Complex Reveals Neural Mediators of Cagrilintide's Effects on Energy Balance. *bioRxiv : the preprint server for biology*.

Taherian Fard A, et al. (2024) Deconstructing heterogeneity of replicative senescence in human mesenchymal stem cells at single cell resolution. *GeroScience*, 46(1), 999.

Kaur A, et al. (2024) A maize semi-dwarf mutant reveals a GRAS transcription factor involved in brassinosteroid signaling. *Plant physiology*, 195(4), 3072.

Chamberlin JT, et al. (2024) Differences in molecular sampling and data processing explain variation among single-cell and single-nucleus RNA-seq experiments. *Genome research*, 34(2), 179.

Furuya H, et al. (2024) Stage-specific GATA3 induction promotes ILC2 development after lineage commitment. *Nature communications*, 15(1), 5610.

Curion F, et al. (2024) hadge: a comprehensive pipeline for donor deconvolution in single-cell studies. *Genome biology*, 25(1), 109.

Mittl K, et al. (2024) Antigen specificity of clonally-enriched CD8+ T cells in multiple sclerosis. *bioRxiv : the preprint server for biology*.

Hamouda AEI, et al. (2024) Intratumoral delivery of lipid nanoparticle-formulated mRNA encoding IL-21, IL-7, and 4-1BBL induces systemic anti-tumor immunity. *Nature communications*, 15(1), 10635.

Pulliam T, et al. (2024) Circulating cancer-specific CD8 T cell frequency is associated with

response to PD-1 blockade in Merkel cell carcinoma. *Cell reports. Medicine*, 5(2), 101412.

Pichol-Thievent C, et al. (2024) VC-resist glioblastoma cell state: vessel co-option as a key driver of chemoradiation resistance. *Nature communications*, 15(1), 3602.

Liu Y, et al. (2024) KAT6A deficiency impairs cognitive functions through suppressing RSPO2/Wnt signaling in hippocampal CA3. *Science advances*, 10(20), eadm9326.

Wang H, et al. (2024) Deciphering deep-sea chemosynthetic symbiosis by single-nucleus RNA-sequencing. *eLife*, 12.

Rich JM, et al. (2024) The impact of package selection and versioning on single-cell RNA-seq analysis. *bioRxiv : the preprint server for biology*.

Liew LC, et al. (2024) Establishment of single-cell transcriptional states during seed germination. *Nature plants*, 10(9), 1418.

Altman JE, et al. (2024) Single-cell transcriptional atlas of human breast cancers and model systems. *Clinical and translational medicine*, 14(10), e70044.

Chauquet S, et al. (2024) Exercise rejuvenates microglia and reverses T cell accumulation in the aged female mouse brain. *Aging cell*, 23(7), e14172.

Tsartsalis S, et al. (2024) A single nuclear transcriptomic characterisation of mechanisms responsible for impaired angiogenesis and blood-brain barrier function in Alzheimer's disease. *Nature communications*, 15(1), 2243.

Liao K, et al. (2024) Spatial and single-nucleus transcriptomics decoding the molecular landscape and cellular organization of avian optic tectum. *iScience*, 27(2), 109009.