

Resource Summary Report

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DoubletFinder

RRID:SCR_018771

Type: Tool

Proper Citation

DoubletFinder (RRID:SCR_018771)

Resource Information

URL: <https://github.com/chris-mcginnis-ucsf/DoubletFinder>

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Description: Software R package that predicts doublets in single cell RNA sequencing data. Doublet detection in single cell RNA sequencing data using artificial nearest neighbors. Identifies doublets using only gene expression data.

Resource Type: software application, software resource, data processing software, data analysis software

Defining Citation: [PMID:30954475](#)

Keywords: Doublet detection in single cell RNA, single cell RNA, doublet detection, RNA sequencing data, gene expression data, artificial nearest neighbors

Funding: Department of Defense Breast Cancer Research Program ;
NICHD DP2 HD080351;
NSF MCB 1330864;
UCSF Center for Cellular Construction ;
NSF Science and Technology Center ;
Damon Runyon Cancer Research Foundation

Availability: Free, Available for download, Freely available

Resource Name: DoubletFinder

Resource ID: SCR_018771

Record Creation Time: 20220129T080341+0000

Record Last Update: 20260820T054926+0000

Ratings and Alerts

No rating or validation information has been found for DoubletFinder.

No alerts have been found for DoubletFinder.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1250 mentions in open access literature.

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

Toropov AL, et al. (2026) The Role of Senescence in the Step-by-Step Development of Endometrial Cancer. International journal of molecular sciences, 27(5).

Liu X, et al. (2026) MSTN and TCF12 as Candidate Immunometabolic Signatures in Glioma-Associated Foam Cells: Insights from Integrated Multi-Omics Analysis. Current issues in molecular biology, 48(3).

Usmani SE, et al. (2026) BCL6 regulates skeletal muscle mass and mitochondrial bioenergetics. Molecular metabolism, 108, 102367.

Sochodolsky K, et al. (2026) BDNF Regulates Pituitary Stem Cell Engagement towards precursor state. bioRxiv : the preprint server for biology.

Lee MY, et al. (2026) Single-cell spatial transcriptomics uncovers niches that govern response to PD-1/PD-L1 blockade in cutaneous squamous cell carcinoma. Journal for immunotherapy of cancer, 14(1).

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

Liu Z, et al. (2026) Single-Cell RNA Sequencing of Human Lung Tissues Reveals Metallothionein-Positive T Cells as a Novel Potential Marker of Susceptibility to Chronic Obstructive Pulmonary Disease. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(22), e09332.

Meglaj Bakra? S, et al. (2026) Single-cell analysis of the peripheral immune landscape in Parkinson's disease: insights into dendritic cell and CD4+ T-cell transcriptomics. NPJ Parkinson's disease, 12(1).

Du R, et al. (2026) Thromboxane receptor activation in dendritic cells mitigates sepsis by suppressing S100a8/a9-mediated neutrophil recruitment. Signal transduction and targeted therapy, 11(1).

Li T, et al. (2026) Single-cell sequencing combined with transcriptome sequencing to reveal the molecular mechanisms related to integrated stress responses in atherosclerosis. Journal of cardiothoracic surgery, 21(1).

Zhao J, et al. (2026) A monocyte-centered framework for predicting immunochemotherapy efficacy in lung squamous cell carcinoma patients. *EMBO molecular medicine*, 18(5), 1812.

de Menezes MN, et al. (2026) High efficiency CRISPR knock-in demonstrates that TCF1 is insufficient to reverse T cell exhaustion. *Nature communications*, 17(1).

Dong X, et al. (2026) Gut-microbiota-derived 3-indoleacrylic acid alleviates neonatal necrotizing enterocolitis by inhibiting epithelial necroptosis. *Cell reports. Medicine*, 7(4), 102721.

Jiang Y, et al. (2026) Regulation of mitochondrial ROS by C15ORF48 in a basal cell subpopulation contributes to chemotherapy resistance in TNBC. *Science advances*, 12(14), eaec8684.

Sun Q, et al. (2026) Single-cell RNA sequencing reveals immune microenvironment heterogeneity in BRCA1-mutated and sporadic triple-negative breast cancer. *Translational oncology*, 69, 102805.

Sussman JH, et al. (2026) A longitudinal single-cell and spatial multiomic atlas of pediatric high-grade glioma. *Cell reports. Medicine*, 7(5), 102766.

Zhang J, et al. (2026) Depicting the dynamic transcriptional and epigenetic landscape of testis development in pubertal Simmental cattle. *Journal of animal science and biotechnology*, 17(1).

Hu Z, et al. (2026) IRF9-dependent transcriptional regulation of SLC40A1 suppresses ferroptosis in dilated cardiomyopathy. *Scientific reports*, 16(1).

Yang S, et al. (2026) Olfactomedin 4 orchestrates TGF- β /CEACAM6 axis, promoting cell-autonomous epithelial to mesenchymal transition during gallbladder epithelium carcinogenesis. *Oncogene*, 45(24), 2359.

Li Y, et al. (2026) Viable Gata2 deficient mice exhibit T cell development independent of adult definitive hematopoiesis. *Frontiers in immunology*, 17, 1832484.