# **Resource Summary Report**

Generated by dkNET on May 17, 2025

## **Drop-seq tools**

RRID:SCR\_018142

Type: Tool

## **Proper Citation**

Drop-seq tools (RRID:SCR\_018142)

#### **Resource Information**

URL: https://github.com/broadinstitute/Drop-seq

**Proper Citation:** Drop-seq tools (RRID:SCR\_018142)

**Description:** Software Java tools for analyzing Drop-seq data. Used to analyze gene expression from thousands of individual cells simultaneously. Analyzes mRNA transcripts while remembering origin cell transcript.

Synonyms: Droplet sequencing tools, Droplet sequencing data analysis software tools

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

**Defining Citation: PMID:26000488** 

**Keywords:** Simultaneous analysis, Drop-seq data, gene expression, thousands individual cells

Funding: Stanley Center for Psychiatric Research;
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NIMH R25 MH094612;

NICHD F32 HD075541;

NSF ECS 0335765;

NSF DMR 1310266; NSF DMR 1420570

Resource Name: Drop-seq tools

Resource ID: SCR\_018142

**Alternate URLs:** https://sources.debian.org/src/drop-seq-tools/

License: MIT License

**Record Creation Time:** 20220129T080338+0000

**Record Last Update:** 20250517T060352+0000

## **Ratings and Alerts**

No rating or validation information has been found for Drop-seq tools.

No alerts have been found for Drop-seq tools.

#### Data and Source Information

Source: SciCrunch Registry

## **Usage and Citation Metrics**

We found 84 mentions in open access literature.

**Listed below are recent publications.** The full list is available at dkNET.

Zhao C, et al. (2025) A comprehensive human embryo reference tool using single-cell RNA-sequencing data. Nature methods, 22(1), 193.

Krause R, et al. (2024) B cell heterogeneity in human tuberculosis highlights compartment-specific phenotype and functional roles. Communications biology, 7(1), 584.

Yin K, et al. (2024) Dyna-vivo-seq unveils cellular RNA dynamics during acute kidney injury via in vivo metabolic RNA labeling-based scRNA-seq. Nature communications, 15(1), 9866.

Paquette SE, et al. (2024) Loss of developmentally derived Irf8+ macrophages promotes hyperinnervation and arrhythmia in the adult zebrafish heart. bioRxiv: the preprint server for biology.

Ziegler CGK, et al. (2024) An enhanced IL17 and muted type I interferon nasal epithelial cell state characterizes severe COVID-19 with fungal coinfection. Microbiology spectrum, 12(6), e0351623.

Schott M, et al. (2024) Protocol for high-resolution 3D spatial transcriptomics using Open-ST. STAR protocols, 6(1), 103521.

Aikawa S, et al. (2024) Spatiotemporally distinct roles of cyclooxygenase-1 and cyclooxygenase-2 at fetomaternal interface in mice. JCI insight, 9(19).

Wegmann R, et al. (2024) Molecular and functional landscape of malignant serous effusions for precision oncology. Nature communications, 15(1), 8544.

Ling E, et al. (2024) Concerted neuron-astrocyte gene expression declines in aging and schizophrenia. bioRxiv: the preprint server for biology.

Auvinen P, et al. (2024) Genome-wide DNA methylation and gene expression in human placentas derived from assisted reproductive technology. Communications medicine, 4(1), 267.

Gupta S, et al. (2024) Systems genomics of salinity stress response in rice. bioRxiv: the preprint server for biology.

Li J, et al. (2024) Comprehensive single-cell atlas of the mouse retina. bioRxiv: the preprint server for biology.

Fishman L, et al. (2024) Cell-type-specific mRNA transcription and degradation kinetics in zebrafish embryogenesis from metabolically labeled single-cell RNA-seq. Nature communications, 15(1), 3104.

Tighe RM, et al. (2024) Altered ontogeny and transcriptomic signatures of tissue-resident pulmonary interstitial macrophages ameliorate allergic airway hyperresponsiveness. Frontiers in immunology, 15, 1371764.

Bosch M, et al. (2024) A liver immune rheostat regulates CD8 T cell immunity in chronic HBV infection. Nature, 631(8022), 867.

Ling E, et al. (2024) A concerted neuron-astrocyte program declines in ageing and schizophrenia. Nature, 627(8004), 604.

Nardone S, et al. (2024) A spatially-resolved transcriptional atlas of the murine dorsal pons at single-cell resolution. Nature communications, 15(1), 1966.

Li J, et al. (2024) Comprehensive single-cell atlas of the mouse retina. iScience, 27(6), 109916.

Del Rosario RCH, et al. (2023) Sibling chimerism among microglia in marmosets. bioRxiv: the preprint server for biology.

Kapellos TS, et al. (2023) Systemic alterations in neutrophils and their precursors in early-stage chronic obstructive pulmonary disease. Cell reports, 42(6), 112525.