Resource Summary Report

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Slingshot

RRID:SCR_017012
Type: Tool

Proper Citation

Slingshot (RRID:SCR_017012)

Resource Information

URL: https://github.com/kstreet13/slingshot

Proper Citation: Slingshot (RRID:SCR_017012)

Description: Software R package for identifying and characterizing continuous developmental trajectories in single cell data. Cell lineage and pseudotime inference for single-cell transcriptomics.

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

Defining Citation: PMID:29914354

Keywords: identify, characterize, continuous, developmental, trajectory, single, cell, data, lineage, pseudotime, inference, transcriptomic

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Availability: Free, Available for download, Freely available

Resource Name: Slingshot

Resource ID: SCR_017012

Record Creation Time: 20220129T080333+0000

Record Last Update: 20260808T190317+0000

Ratings and Alerts

No rating or validation information has been found for Slingshot.

No alerts have been found for Slingshot.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 102 mentions in open access literature.

Listed below are recent publications. The full list is available at SPARC SAWG .

Pan D, et al. (2026) TGF-?-induced fibrotic scar formation limits recovery of spinal cord injury. Bone research, 14(1).

Du H, et al. (2026) Niacin promotes motor function recovery after spinal cord injury via Hcar2-dependent microglia immunometabolic regulation. Clinical and translational medicine, 16(5), e70683.

Sirc N, et al. (2026) Functionally Characterizing the Renal Cell Carcinoma Tumor-Immune Microenvironment via Patient-Derived Ex Vivo Models. Cancer research communications, 6(2), 402.

Varin A, et al. (2026) A Subset of Pro-inflammatory CXCL10+ LILRB2+ Macrophages Derives From Recipient Monocytes and Drives Renal Allograft Rejection. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(10), e21294.

Tong Z, et al. (2026) SLC25A37 as a novel therapeutic target for benign prostatic hyperplasia: integrative analyses of single-cell RNA sequencing and genome-wide association studies. Open medicine (Warsaw, Poland), 21(1), 20251371.

Subba P, et al. (2026) Multiome Profiling Reveals Astrocyte and Neuroendocrine Targets of Prenatal Acoustic Programming in Zebra Finch Embryos. bioRxiv : the preprint server for biology.

Abitbol JM, et al. (2026) Dual mechanisms of supporting cell regeneration in the neonatal mouse cochlea. iScience, 29(3), 115113.

Ran R, et al. (2026) Systems mapping of intra-donor, cross-tissue T cell clonal expansion and tissue adaptation in the gut-liver-blood axis. Cell reports, 45(2), 116916.

Al Souz J, et al. (2026) Organ injury in systemic autoimmunity is mediated by stem-like CD8+ T cells arising from tissue-draining lymph nodes. Immunity, 59(6), 1667.

Gudenas BL, et al. (2026) A tumor-associated photoreceptor signature unifies distinct central nervous system malignancies. Cancer cell, 44(4), 831.

Lee JB, et al. (2026) A Phase II Study of Stereotactic Ablative Radiotherapy plus Atezolizumab plus Tiragolumab in Treatment-Naïve Patients with Advanced Non-Small Cell Lung Cancer. Clinical cancer research : an official journal of the American Association for Cancer Research, 32(14), 2898.

Abdelfattah N, et al. (2026) Male-biased Yap1-Cd276/B7-H3 axis for immune evasion in medulloblastoma. Cancer cell, 44(4), 760.

Shamskhou EA, et al. (2026) Monocytic niches escape T cell surveillance and promote Mycobacterium tuberculosis persistence in lymph nodes. Immunity.

Karmali N, et al. (2026) Single-cell RNA profiling of oligodendroglial lineage cells derived from iPSCs carrying Parkinson's disease-relevant LRRK2-G2019S mutation. iScience, 29(7), 116368.

Wang K, et al. (2025) Exploring the Role of Ccn3 in Type III Cell of Mice Taste Buds. Journal of neurochemistry, 169(1), e16291.

Zhao Y, et al. (2025) Origin and development of uniparental and polyploid blastomeres. iScience, 28(5), 112337.

Graham RE, et al. (2025) Single-cell morphological tracking of cell states to identify small-molecule modulators of liver differentiation. iScience, 28(2), 111871.

Seike K, et al. (2025) Mitochondrial complex II orchestrates divergent effects in CD4+ and CD8+ T cells. The Journal of clinical investigation, 135(24).

Li Y, et al. (2025) Single-cell and spatial analysis reveals the interaction between ITLN1+ foam cells and SPP1+ macrophages in atherosclerosis. Frontiers in cardiovascular medicine, 12, 1510082.

Matern MS, et al. (2025) A developmental atlas of mouse vestibular-like inner ear organoids. iScience, 28(2), 111817.