Resource Summary Report

Generated by PRECISE-TBI on Aug 1, 2026

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: 20260731T043005+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 84 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

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.

Wang H, et al. (2025) Phenotypic plasticity and increased infiltration of peripheral blood-derived TREM1+ mono-macrophages following radiotherapy in rectal cancer. Cell reports. Medicine, 6(1), 101887.

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

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.

Vallius T, et al. (2025) Spatial determinants of tumor cell dedifferentiation and plasticity in primary cutaneous melanoma. bioRxiv : the preprint server for biology.

Wang C, et al. (2025) Immunosuppressive JAG2+ tumor-associated neutrophils hamper PD-1 blockade response in ovarian cancer by mediating the differentiation of effector regulatory T cells. Cancer communications (London, England), 45(7), 747.

Umeda M, et al. (2025) Fusion oncoproteins and cooperating mutations define disease phenotypes in NUP98-rearranged leukemia. medRxiv : the preprint server for health sciences.

Chen J, et al. (2025) CD146+ CAFs mediate immunosuppression in gastric cancer via COL4A1: potential therapeutic targets. Journal for immunotherapy of cancer, 13(12).

Cumming J, et al. (2025) Dissecting FAP+ Cell Diversity in Pancreatic Cancer Uncovers an Interferon-Response Subtype of Cancer-Associated Fibroblasts with Tumor-

Restraining Properties. Cancer research, 85(13), 2388.

Sun W, et al. (2025) Epithelial cells with high TOP2A expression promote cervical cancer progression by regulating the transcription factor FOXM1. Frontiers in oncology, 15, 1604960.

Gay-Mimbrera J, et al. (2025) Integrated single-cell chromatin and transcriptomic analyses of peripheral immune cells in patients with alopecia areata. Frontiers in immunology, 16, 1565241.

Ma H, et al. (2025) Spatially Resolved Tumor Ecosystems and Cell States in Gastric Adenocarcinoma Progression and Evolution. Cancer discovery, 15(4), 767.

Yan ZJ, et al. (2025) Early transcriptional and cellular abnormalities in choroid plexus of a mouse model of Alzheimer's disease. Molecular neurodegeneration, 20(1), 62.

Berg K, et al. (2025) Endocardial primary cilia and blood flow regulate EndoMT during endocardial cushion development. Nature cardiovascular research, 4(9), 1114.

Zeng L, et al. (2025) Transcription factor 4 regulates the interhemispheric midline remodeling through neuron-astroglia communications during corpus callosum formation. Translational psychiatry, 15(1), 482.

Aisenberg WH, et al. (2025) Direct microglia replacement reveals pathologic and therapeutic contributions of brain macrophages to a monogenic neurological disease. Immunity, 58(5), 1254.

Risley CA, et al. (2025) Transcription factor T-bet regulates the maintenance and differentiation potential of lymph node and lung effector memory B cell subsets. Immunity, 58(7), 1706.

Tsuno T, et al. (2025) Imeglimin suppresses glucagon secretion and induces a loss of ?? cell identity. Cell reports. Medicine, 6(8), 102254.