Resource Summary Report

Generated by RRID on Aug 12, 2026

sctransform

RRID:SCR_022146
Type: Tool

Proper Citation

sctransform (RRID:SCR_022146)

Resource Information

URL: https://github.com/satijalab/sctransform

Proper Citation: sctransform (RRID:SCR_022146)

Description: Software R package for normalization and variance stabilization of single-cell RNA-seq data using regularized negative binomial regression.

Resource Type: software toolkit, software resource

Defining Citation: DOI:10.1186/s13059-019-1874-1

Keywords: normalization and variance stabilization, single-cell RNA-seq data, regularized negative binomial regression

Availability: Free, Available for download, Freely available

Resource Name: sctransform

Resource ID: SCR_022146

License: GNU GPL v3.0

Record Creation Time: 20220421T050138+0000

Record Last Update: 20260810T040820+0000

Ratings and Alerts

No rating or validation information has been found for sctransform.

No alerts have been found for sctransform.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 72 mentions in open access literature.

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

Zhang Y, et al. (2026) Co-occurrence of transcriptionally distinct persister cell states underpins neoadjuvant therapy resistance in triple?negative breast cancer. Genome medicine, 18(1).

López-Fuentes E, et al. (2026) Epigenetic and Transcriptional Programs Define Osteosarcoma Subtypes and Establish Targetable Vulnerabilities. Cancer discovery, 16(2), 296.

Zhang Z, et al. (2026) Loss of polarity by Cdc42 depletion and oncogenic Kras activation in the mouse intestinal epithelia leads to a necrotizing enterocolitis (NEC)-like disease. Nature communications, 17(1).

Bassiouni R, et al. (2026) Integrated Single-Cell Whole-Genome Sequencing and Spatial Transcriptomics Reveal Intratumoral Heterogeneity in Ovarian Cancer. Cancer research communications, 6(5), 1020.

Rosenbaum E, et al. (2026) Tumor and Immune Dynamics Following Sequential CDK4/6 and PD-1 Inhibition: Results from a Phase 2 Study in Dedifferentiated Liposarcoma. Cancer research communications, 6(2), 437.

Mearelli M, et al. (2026) C9orf72 Repeat Expansion Induces Metabolic Dysfunction in Human iPSC-Derived Microglia and Modulates Glial-Neuronal Crosstalk. Glia, 74(1), e70080.

Htet M, et al. (2026) HEXIM1/P-TEFb complex controls RNA polymerase II pause release and immediate early gene induction following neuronal depolarization. The Journal of biological chemistry, 302(4), 111325.

Sierra-Rodero B, et al. (2026) Decoding B-cell Signatures of Complete Pathologic Response to Perioperative Chemoimmunotherapy in Non-Small Cell Lung Cancer. Clinical cancer research : an official journal of the American Association for Cancer Research, 32(8), 1499.

Bledsoe X, et al. (2026) Neuroimaging PheWAS and molecular phenotyping implicate PSMC3 in Alzheimer's disease. Alzheimer's & dementia : the journal of the Alzheimer's Association, 22(2), e71217.

Granger K, et al. (2026) Single-nuclei RNA-sequencing uncovers sexually divergent exercise signatures partially mimicked by TFEB overexpression in mouse skeletal muscle. bioRxiv : the preprint server for biology.

Han J, et al. (2026) RNA-binding proteins Zfp36l1 and Zfp36l2 protect against premature thymic involution. Cellular & molecular immunology, 23(5), 505.

Perez J MJ, et al. (2026) The mitochondrial unfolded protein response in human microglia disrupts neuronal-glial communication and promotes senescence. Nature neuroscience, 29(8), 1858.

Kelly B, et al. (2026) Sulfur partitioning from cysteine controls T cell proliferation and effector function. Cell, 189(12), 3669.

Lassila M, et al. (2026) Progressive intestinal tumor cell plasticity, Myc activation, and loss of Lgr5+ tumor stem cell lineage commitment upon Wnt depletion. Science advances, 12(28), eaeb8564.

Wang Z, et al. (2026) Spatial multi-omics unveils the monoclonal origin, neuroendocrine plasticity, and microenvironment niches in combined small-cell lung cancer. Cell reports. Medicine, 7(4), 102741.

Roger E, et al. (2026) ATM Deficiency Induces TGF?-Mediated Stromal Programming in Pancreatic Cancer. Cancer research, 86(14), 3412.

Kallio P, et al. (2025) A Multipotent PROX1+ Tumor Stem/Progenitor Cell Population Emerges during Intestinal Tumorigenesis and Mediates Radioresistance in Colorectal Cancer. Cancer research, 85(23), 4616.

Ennis CS, et al. (2025) Plasma exosomes from individuals with type 2 diabetes drive breast cancer aggression in patient-derived organoids. Communications biology, 8(1), 1276.

Bui HV, et al. (2025) White and brown adipose tissue share a convergent fibro-adipogenic progenitor population. EMBO reports, 26(22), 5612.

Bledsoe X, et al. (2025) Neuroimaging PheWAS and molecular phenotyping implicate PSMC3 in Alzheimer's Disease. medRxiv : the preprint server for health sciences.