Resource Summary Report

Generated by dkNET on May 22, 2025

Single Cell Portal

RRID:SCR_014816
Type: Tool

Proper Citation

Single Cell Portal (RRID:SCR_014816)

Resource Information

URL: https://singlecell.broadinstitute.org/single_cell

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Description: Portal specializes in visualizing and disseminating single cell data. Allows you to use natural language and faceted search to discover other scientists' research and share your own findings. Each study includes information on cell types, singular or multiple gene expression, and spatial transcriptomics. Interactive visualizations allow to explore cell clusters and search for related genes.

Abbreviations: SCP

Synonyms: Single-Cell RNA-Seq Portal for Brain Research

Resource Type: portal, data or information resource

Keywords: Single cell data visualization, disseminating single cell data, single cell data, brain, RNA, rna seq, multiple gene expression, spatial transcriptomics, open science

Funding:

Availability: Free, Available for download, Freely available

Resource Name: Single Cell Portal

Resource ID: SCR_014816

Alternate URLs:
https://portals.broadinstitute.org/single_cell?utf8=?&search_terms=e+coli&order=&commit=

Record Creation Time: 20220129T080322+0000

Record Last Update: 20250522T060920+0000

Ratings and Alerts

No rating or validation information has been found for Single Cell Portal.

No alerts have been found for Single Cell Portal.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 178 mentions in open access literature.

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

Saldanha OL, et al. (2025) SwarmMAP: Swarm Learning for Decentralized Cell Type Annotation in Single Cell Sequencing Data. bioRxiv : the preprint server for biology.

Tian P, et al. (2025) scPharm: Identifying Pharmacological Subpopulations of Single Cells for Precision Medicine in Cancers. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(2), e2412419.

Yang B, et al. (2025) PerturbDB for unraveling gene functions and regulatory networks. Nucleic acids research, 53(D1), D1120.

Lu X, et al. (2025) Self-assembled PROTACs enable protein degradation to reprogram the tumor microenvironment for synergistically enhanced colorectal cancer immunotherapy. Bioactive materials, 43, 255.

Deng Y, et al. (2024) SCAN: Spatiotemporal Cloud Atlas for Neural cells. Nucleic acids research, 52(D1), D998.

Wilk SM, et al. (2024) Multiplex Imaging Reveals Novel Subcellular, Microenvironmental, and Racial Patterns of MRTFA/B Activation in Invasive Breast Cancers and Metastases. bioRxiv : the preprint server for biology.

Tworig JM, et al. (2024) Differential Expression Analysis Identifies Candidate Synaptogenic Molecules for Wiring Direction-Selective Circuits in the Retina. The Journal of neuroscience : the official journal of the Society for Neuroscience, 44(18).

Prokakis E, et al. (2024) USP22 supports the aggressive behavior of basal-like breast cancer

by stimulating cellular respiration. Cell communication and signaling : CCS, 22(1), 120.

Ren J, et al. (2024) CDSKNNXMBD: a novel clustering framework for large-scale single-cell data based on a stable graph structure. Journal of translational medicine, 22(1), 233.

Love NR, et al. (2024) Melanoma progression and prognostic models drawn from single-cell, spatial maps of benign and malignant tumors. Science advances, 10(28), eadm8206.

Masui H, et al. (2024) Synergistic antitumor activity by dual blockade of CCR1 and CXCR2 expressed on myeloid cells within the tumor microenvironment. British journal of cancer, 131(1), 63.

White BS, et al. (2024) Community assessment of methods to deconvolve cellular composition from bulk gene expression. Nature communications, 15(1), 7362.

Zhang Y, et al. (2024) EAAT3 impedes oligodendrocyte remyelination in chronic cerebral hypoperfusion-induced white matter injury. CNS neuroscience & therapeutics, 30(1), e14487.

Lin L, et al. (2024) Proteome-wide mendelian randomization investigates potential associations in heart failure and its etiology: emphasis on PCSK9. BMC medical genomics, 17(1), 59.

Feng ZW, et al. (2024) Unraveling Key m6A Modification Regulators Signatures in Postmenopausal Osteoporosis through Bioinformatics and Experimental Verification. Orthopaedic surgery, 16(6), 1418.

Chen S, et al. (2024) CD8+ T cells sustain antitumor response by mediating crosstalk between adenosine A2A receptor and glutathione/GPX4. The Journal of clinical investigation, 134(8).

Giordano FA, et al. (2024) L-RNA aptamer-based CXCL12 inhibition combined with radiotherapy in newly-diagnosed glioblastoma: dose escalation of the phase I/II GLORIA trial. Nature communications, 15(1), 4210.

Sun Y, et al. (2024) Caspase-4/11 promotes hyperlipidemia and chronic kidney disease-accelerated vascular inflammation by enhancing trained immunity. JCI insight, 9(16).

Zhao J, et al. (2024) INSPIRE: interpretable, flexible and spatially-aware integration of multiple spatial transcriptomics datasets from diverse sources. bioRxiv : the preprint server for biology.

Li J, et al. (2024) TUBA1C orchestrates the immunosuppressive tumor microenvironment and resistance to immune checkpoint blockade in clear cell renal cell carcinoma. Frontiers in immunology, 15, 1457691.