

Resource Summary Report

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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

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: 20260805T044333+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 237 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Gou X, et al. (2026) Identification of a Two-Gene Biomarker Correlated with Sensitivity to Combined PARP7 Inhibition and AHR Activation in Cancer Cells. Cancer research communications, 6(1), 5.

Caksa S, et al. (2025) Elevated Transglutaminase-2 in SOX10-Deficient Melanoma Promotes Tumor Onset and Decreases Intratumoral CD4+ T Cells. Cancer research.

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

Tadros R, et al. (2025) Large-scale genome-wide association analyses identify novel genetic loci and mechanisms in hypertrophic cardiomyopathy. Nature genetics, 57(3), 530.

Xia P, et al. (2025) SCANNER: robust and sensitive identification of malignant cells from the scRNA-seq profiled tumor ecosystem. Briefings in bioinformatics, 26(2).

Guo Y, et al. (2025) Integrating machine learning and neural networks for new diagnostic approaches to idiopathic pulmonary fibrosis and immune infiltration research. PloS one, 20(4), e0320242.

Colunga-Biancatelli RML, et al. (2025) The PTP4A3 inhibitor K VX-053 reduces Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) virulence, inflammation, and development of acute lung injury in K18-hACE2 mice. Respiratory research, 26(1), 299.

Yang Y, et al. (2025) MisTIC: Missegmented Transcript Inference Correction for Improved Spatial Transcriptomics Analysis. bioRxiv : the preprint server for biology.

Ojo BA, et al. (2025) Patient-derived colon epithelial organoids reveal lipid-related metabolic dysfunction in pediatric ulcerative colitis. Nature communications, 16(1), 11026.

Liu Y, et al. (2025) Dual ferroptosis induction in N2-TANs and TNBC cells via FTH1 targeting: A therapeutic strategy for triple-negative breast cancer. Cell reports. Medicine, 6(1), 101915.

Belelli D, et al. (2025) From bugs to brain: unravelling the GABA signalling networks in the brain-gut-microbiome axis. Brain : a journal of neurology, 148(5), 1479.

Cheon J, et al. (2025) Exploring the Clinical Implication of S100A9 in Ulcerative Colitis and Its Progression to Cancer: A Journey from Inflammation to Cancer. *International journal of molecular sciences*, 26(12).

Wang P, et al. (2025) FGF19 is a biomarker associated with prognosis and immunity in colorectal cancer. *International journal of immunopathology and pharmacology*, 39, 3946320251324401.

Schaffer N, et al. (2025) The neuronal chaperone proSAAS is highly expressed in the retina. *PloS one*, 20(5), e0321867.

Manchon E, et al. (2025) Harnessing nutrient scarcity for enhanced CAR-T-cell potency and safety in solid tumors. *Cellular & molecular immunology*, 22(6), 645.

Cao S, et al. (2025) Identification of a TIGIT-expressing CD8+ T cell subset as a potential prognostic biomarker in colorectal cancer. *Frontiers in immunology*, 16, 1626367.

Zheng K, et al. (2025) Unraveling the Heterogeneity of CD8+ T-Cell Subsets in Liver Cirrhosis: Implications for Disease Progression. *Gut and liver*, 19(3), 410.

Zhou N, et al. (2025) Decoding the heterogeneous subpopulations of glioblastoma for prognostic stratification and uncovering the promalignant role of PSMC2. *Scientific reports*, 15(1), 5714.

Yang X, et al. (2025) From Gene to Intervention: NLRC4 and WIPI1 Regulate Septic Acute Lung Injury Through Autophagy. *Journal of inflammation research*, 18, 3639.

Akagi K, et al. (2025) Integration of Dynamical Network Biomarkers, Control Theory and Drosophila Model Identifies Vasa/DDX4 as the Potential Therapeutic Targets for Metabolic Syndrome. *Cells*, 14(6).