Resource Summary Report

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Cytosplore Viewer

RRID:SCR_018330
Type: Tool

Proper Citation

Cytosplore Viewer (RRID:SCR_018330)

Resource Information

URL: https://viewer.cytosplore.org/

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Description: Web based interactive visual analysis system for exploration of single cell data published in Allen Cell Types Database and for number of single cell data resources of Brain Initiative Single Cell Network. Allows interactive exploration of hierarchies of cell types, visualization of transcriptome wide gene expression in combination with metadata of individual cells, performing differential analyses and statistics between manual selections of cells, or between pre-defined clusters throughout cellular hierarchy and more.

Resource Type: data access protocol, service resource, web service, software resource, analysis service resource, production service resource

Keywords: BICCN, visualization, transcriptomics, single cell data, gene expression, metadata, analysis, statistic, cellular hierarchy, Cytosplore

Funding:

Availability: Free, Available for download, Freely available

Resource Name: Cytosplore Viewer

Resource ID: SCR_018330

License URLs: https://alleninstitute.org/legal/terms-use/

Record Creation Time: 20220129T080339+0000

Record Last Update: 20250521T061749+0000

Ratings and Alerts

No rating or validation information has been found for Cytosplore Viewer.

No alerts have been found for Cytosplore Viewer.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 15 mentions in open access literature.

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

Langguth M, et al. (2024) TIMP-1 is an activator of MHC-I expression in myeloid dendritic cells with implications for tumor immunogenicity. Genes and immunity, 25(3), 188.

Sherman J, et al. (2024) Ultrasound pulse repetition frequency preferentially activates different neuron populations independent of cell type. Journal of neural engineering, 21(5).

Zhang Y, et al. (2023) Reference-based cell type matching of in situ image-based spatial transcriptomics data on primary visual cortex of mouse brain. Scientific reports, 13(1), 9567.

Hawrylycz M, et al. (2023) A guide to the BRAIN Initiative Cell Census Network data ecosystem. PLoS biology, 21(6), e3002133.

Lodge DJ, et al. (2023) Discrete hippocampal projections are differentially regulated by parvalbumin and somatostatin interneurons. Nature communications, 14(1), 6653.

Gargiulo E, et al. (2023) Extracellular Vesicle Secretion by Leukemia Cells In Vivo Promotes CLL Progression by Hampering Antitumor T-cell Responses. Blood cancer discovery, 4(1), 54.

Li C, et al. (2023) SpaceWalker enables interactive gradient exploration for spatial transcriptomics data. Cell reports methods, 3(12), 100645.

Koppejan H, et al. (2023) Spondyloarthritis mass cytometry immuno-monitoring: a proof of concept study in the tight-control and treat-to target TiCoSpA trial. Clinical rheumatology, 42(9), 2387.

Jorstad NL, et al. (2023) Comparative transcriptomics reveals human-specific cortical features. Science (New York, N.Y.), 382(6667), eade9516.

van Hooren L, et al. (2021) Agonistic CD40 therapy induces tertiary lymphoid structures but impairs responses to checkpoint blockade in glioma. Nature communications, 12(1), 4127.

van der Veen B, et al. (2021) Control of impulsivity by Gi-protein signalling in layer-5 pyramidal neurons of the anterior cingulate cortex. Communications biology, 4(1), 662.

Bakken TE, et al. (2021) Comparative cellular analysis of motor cortex in human, marmoset and mouse. Nature, 598(7879), 111.

Damele L, et al. (2021) EZH1/2 Inhibitors Favor ILC3 Development from Human HSPC-CD34+ Cells. Cancers, 13(2).

Beyranvand Nejad E, et al. (2020) Lack of myeloid cell infiltration as an acquired resistance strategy to immunotherapy. Journal for immunotherapy of cancer, 8(2).

Sellau J, et al. (2020) Androgens predispose males to monocyte-mediated immunopathology by inducing the expression of leukocyte recruitment factor CXCL1. Nature communications, 11(1), 3459.