

Resource Summary Report

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UCSC Cell Browser

RRID:SCR_023293

Type: Tool

Proper Citation

UCSC Cell Browser (RRID:SCR_023293)

Resource Information

URL: <https://cells.ucsc.edu/>

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Description: Web based tool to visualize gene expression and metadata annotation distribution throughout single cell dataset or multiple datasets. Interactive viewer for single cell expression. You can click on and hover over cells to get meta information, search for genes to color on and click clusters to show cluster specific marker genes.

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

Defining Citation: [PMID:34244710](#)

Keywords: visualize gene expression, metadata annotation distribution, single cell data viewer, cluster specific marker genes, single cell expression,

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Chan Zuckerberg Initiative Foundation ;

Simons Foundation ;

Brain and Behavior Research Foundation

Availability: Free, Freely available

Resource Name: UCSC Cell Browser

Resource ID: SCR_023293

Alternate URLs: <https://cellbrowser.readthedocs.io/en/master/>,
<https://github.com/maximilianh/cellBrowser>

License: GNU GPL v3.0

Record Creation Time: 20230222T050208+0000

Record Last Update: 20260804T043809+0000

Ratings and Alerts

No rating or validation information has been found for UCSC Cell Browser.

No alerts have been found for UCSC Cell Browser.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 123 mentions in open access literature.

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

Macak D, et al. (2025) Muscle AMP deaminase activity was lower in Neandertals than in modern humans. Nature communications, 16(1), 6371.

Sun Z, et al. (2025) Genomic and Transcriptomic Signatures of SETD1A Disruption in Human Excitatory Neuron Development and Psychiatric Disease Risk. bioRxiv : the preprint server for biology.

Dominguez-Alonso S, et al. (2025) Alternative splicing analysis in a Spanish ASD (Autism Spectrum Disorders) cohort: in silico prediction and characterization. Scientific reports, 15(1), 10730.

Kondo R, et al. (2025) Genetic association between gene expression profiles in oligodendrocyte precursor cells and psychiatric disorders. Frontiers in psychiatry, 16, 1566155.

Soares LC, et al. (2025) Galectin-3 induces neurodevelopmental apical-basal polarity and regulates gyrification. Science advances, 11(36), eadt5859.

Abdelazeem KNM, et al. (2025) Manipulating the EphB4-ephrinB2 axis to reduce metastasis in HNSCC. Oncogene, 44(3), 130.

- Ammons DT, et al. (2025) Characterization of canine tumor-infiltrating leukocyte transcriptomic signatures reveals conserved expression patterns with human osteosarcoma. *Cancer immunology, immunotherapy* : CII, 74(3), 105.
- Zelco A, et al. (2025) Single-Cell Analysis of Sex and Gender Differences in the Human Brain During Development and Disease. *Cellular and molecular neurobiology*, 45(1), 20.
- Lv P, et al. (2025) Pan-cancer analysis identifies ADAM12 as a prognostic biomarker and indicator of immune infiltration in glioma. *Scientific reports*, 15(1), 6314.
- Zhuo L, et al. (2025) MAPbrain: a multi-omics atlas of the primate brain. *Nucleic acids research*, 53(D1), D1055.
- Kakar N, et al. (2025) Further evidence of biallelic NAV3 variants associated with recessive neurodevelopmental disorder with dysmorphism, developmental delay, intellectual disability, and behavioral abnormalities. *Human genetics*, 144(1), 55.
- Masters H, et al. (2025) Sequential emergence and contraction of epithelial subtypes in the prenatal human choroid plexus revealed by a stem cell model. *Nature communications*, 16(1), 5149.
- Wang T, et al. (2025) 3D organoids containing endothelial and neural cells generation by serial inductions of differentiation on human iPSC-derived embryoid bodies. *bioRxiv : the preprint server for biology*.
- Orlandi KN, et al. (2025) Zebrafish do not have a calprotectin ortholog. *PloS one*, 20(5), e0322649.
- Liu Y, et al. (2025) Artificial intelligence insight on structural basis and small molecule binding niches of NMDA receptor. *Computational and structural biotechnology journal*, 27, 3167.
- Jakubzick C, et al. (2025) The Dichotomy of Tumor Control by Recruited and Resident Tumor-Associated Macrophages. *Research square*.
- Goldman OV, et al. (2025) A single-nucleus transcriptomic atlas of the adult *Aedes aegypti* mosquito. *Cell*, 188(25), 7267.
- Sundaresh A, et al. (2025) Joint profiling of cell morphology and gene expression during in vitro neurodevelopment. *eLife*, 14.
- Li YX, et al. (2025) Atosiban-conjugated 3WJ-pRNA nanoparticles delivering GAS1-enhanced extracellular vesicles: targeting the decidua to combat recurrent miscarriage. *Journal of nanobiotechnology*, 23(1), 780.
- Montilla A, et al. (2025) Microglia regulate myelin clearance and cholesterol metabolism after demyelination via interferon regulatory factor 5. *Cellular and molecular life sciences : CMLS*, 82(1), 131.