

Resource Summary Report

Generated by [ASWG](#) on Aug 3, 2026

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: data access protocol, web service, software resource

Defining Citation: [PMID:34244710](#)

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

Funding: NHGRI 5U41HG002371;

NHGRI 1U41HG010972;

NHGRI 5R01HG010329;

NIMH U01MH114825;

NINDS K99 NS111731;

NIMH RF1MH121268;

NIMH DP2MH122400;

Silicon Valley Community Foundation ;

California Institute for Regenerative Medicine ;

University of California Office of the President Emergency COVID-19 Research Seed Funding ;

Chan Zuckerberg Initiative Foundation ;

Simons Foundation ;

Brain and Behavior Research Foundation

Availability: Free, Freely available

Resource Name: UCSC Cell Browser

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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: 20260803T040837+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 [ASWG](#) .

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

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

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.

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

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.

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.

- 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.
- Abdelazeem KNM, et al. (2025) Manipulating the EphB4-ephrinB2 axis to reduce metastasis in HNSCC. *Oncogene*, 44(3), 130.
- 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.
- Solana-Orts A, et al. (2025) Rnd3 deletion affects neuroblast behavior through the RhoA/ROCK pathway but not neural stem cells in postnatal mice subventricular zone. *Frontiers in cell and developmental biology*, 13, 1612177.