

Resource Summary Report

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Human Cell Atlas

RRID:SCR_016530

Type: Tool

Proper Citation

Human Cell Atlas (RRID:SCR_016530)

Resource Information

URL: <https://www.humancellatlas.org>

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Description: Software tool as a catalog of comprehensive reference of human cells based on their stable properties, transient features, locations and abundances. Map to show the relationships among its elements. Open data international collaborative project involving diverse scientific communities to provide a framework for understanding cellular dysregulation in human disease.

Resource Type: map, data or information resource, catalog, database, atlas, image, portal

Defining Citation: [PMID:29206104](https://pubmed.ncbi.nlm.nih.gov/29206104/)

Keywords: human, cell, line, atlas, catalog, map, open, data, international, project, FASEB list

Availability: Free, Available for download, Freely available

Resource Name: Human Cell Atlas

Resource ID: SCR_016530

Record Creation Time: 20220129T080331+0000

Record Last Update: 20260729T044420+0000

Ratings and Alerts

No rating or validation information has been found for Human Cell Atlas.

No alerts have been found for Human Cell Atlas.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 97 mentions in open access literature.

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

Guo F, et al. (2025) Foundation models in bioinformatics. National science review, 12(4), nwaf028.

Moon Y, et al. (2025) PolyASite v3.0: a multi-species atlas of polyadenylation sites inferred from single-cell RNA-sequencing data. Nucleic acids research, 53(D1), D197.

Li Y, et al. (2025) UDA-seq: universal droplet microfluidics-based combinatorial indexing for massive-scale multimodal single-cell sequencing. Nature methods, 22(6), 1199.

Burge KY, et al. (2025) Spatial transcriptomics delineates potential differences in intestinal phenotypes of cardiac and classical necrotizing enterocolitis. iScience, 28(4), 112166.

Wang W, et al. (2025) The potential role of BCL2A1? tissue-resident macrophages in the prognosis of Wilms tumor. European journal of medical research, 30(1), 670.

Leir SH, et al. (2025) Cellular imbalance in proximal and distal lung of CFTR-/- sheep in utero and at birth. Molecular medicine (Cambridge, Mass.), 31(1), 231.

Hara Y, et al. (2025) Selective AMPK?1 activation induces fetal hemoglobin in human erythroid cells and sickle cell mice via the noncanonical NRF2 pathway. Science advances, 11(47), eadx1144.

Xie Z, et al. (2025) DNA-guided transcription factor interactions extend human gene regulatory code. Nature, 641(8065), 1329.

Zheng J, et al. (2025) HMGB1-mediated macrophage polarization to M2 phenotype promotes ureteral stricture: therapeutic potential of HMGB1 inhibitors. European journal of medical research, 30(1), 893.

Börner K, et al. (2024) Human BioMolecular Atlas Program (HuBMAP): 3D Human Reference Atlas Construction and Usage. bioRxiv : the preprint server for biology.

Han S, et al. (2024) Single-cell spatial transcriptomics in cardiovascular development, disease, and medicine. Genes & diseases, 11(6), 101163.

Wang J, et al. (2024) Integration of histone modification-based risk signature with drug sensitivity analysis reveals novel therapeutic strategies for lower-grade glioma. Frontiers in pharmacology, 15, 1523779.

Yan Y, et al. (2024) Advances in single-cell transcriptomics in animal research. Journal of animal science and biotechnology, 15(1), 102.

Verstappe B, et al. (2024) Implementing distinct spatial proteogenomic technologies: opportunities, challenges, and key considerations. *Clinical and experimental immunology*, 218(2), 151.

Choi JE, et al. (2024) PIKfyve controls dendritic cell function and tumor immunity. *bioRxiv* : the preprint server for biology.

Sun Y, et al. (2024) GateView: A Multi-Omics Platform for Gene Feature Analysis of Virus Receptors within Human Normal Tissues and Tumors. *Biomolecules*, 14(5).

Weil PP, et al. (2024) Histone variant H3.5 in testicular cell differentiation and its interactions with histone chaperones. *Scientific reports*, 14(1), 30564.

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

Tung YT, et al. (2024) A 3D Bioprinted Human Neurovascular Unit Model of Glioblastoma Tumor Growth. *Advanced healthcare materials*, 13(15), e2302831.

Gerli MFM, et al. (2024) Single-cell guided prenatal derivation of primary fetal epithelial organoids from human amniotic and tracheal fluids. *Nature medicine*, 30(3), 875.