

Resource Summary Report

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CellFinder

RRID:SCR_006598

Type: Tool

Proper Citation

CellFinder (RRID:SCR_006598)

Resource Information

URL: <http://cellfinder.de/>

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Description: Database of mapped validated gene and protein expression, phenotype and images related to cell types. The data allow characterization and comparison of cell types and can be browsed by using the body browser and by searching for cells or genes. All cells are related to more complex systems such as tissues, organs and organisms and arranged according to their position in development. CellFinder provides long-term data storage for validated and curated primary research data and provides additional expert-validation through relevant information extracted from text. Operated under the Open Source/Access model, community and scientific networking applications will allow users to store and retrieve their data and to explore cells and their interactions on singular and complex resolution levels. The involvement of stem cell registries and banks will allow direct access to selected cells. The set up the stem cell data repository will involve three lines of action: * the acquisition of scientific data and contents * the standardized description of this data, its organization with the help of ontologies and technical implementation * the integration of existing sources/logistics and to ensure sustainable long-term operation

Abbreviations: CellFinder

Synonyms: Cell Finder

Resource Type: data analysis service, data or information resource, database, service resource, production service resource, analysis service resource

Defining Citation: [PMID:23599415](#)

Keywords: cell, gene expression, protein expression, phenotype, image, gene, stem cell, cellome, metadata standard, stem cell therapy, differential expression, protein, cell type, development, adrenal gland, gall bladder, intestine, inferior vena cava, kidney, liver, spleen

Funding: BMBF ;
DFG

Resource Name: CellFinder

Resource ID: SCR_006598

Alternate IDs: nlx_153857

Record Creation Time: 20220129T080237+0000

Record Last Update: 20260801T190313+0000

Ratings and Alerts

No rating or validation information has been found for CellFinder.

No alerts have been found for CellFinder.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 28 mentions in open access literature.

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

Zimmerman CA, et al. (2025) A neural mechanism for learning from delayed postingestive feedback. *Nature*, 642(8068), 700.

Attarpour A, et al. (2025) A deep learning pipeline for three-dimensional brain-wide mapping of local neuronal ensembles in teravoxel light-sheet microscopy. *Nature methods*, 22(3), 600.

Pastore S, et al. (2025) ClearFinder: a Python GUI for annotating cells in cleared mouse brain. *BMC bioinformatics*, 26(1), 24.

Ahmadlou M, et al. (2025) A subcortical switchboard for perseverative, exploratory and disengaged states. *Nature*, 641(8061), 151.

Weiler S, et al. (2025) Layer 6 corticocortical neurons are a major route for intra- and interhemispheric feedback. *eLife*, 13.

Marks M, et al. (2025) CellSAM: a foundation model for cell segmentation. *Nature methods*, 22(12), 2585.

Rajput N, et al. (2025) Whole-brain mapping in adult zebrafish and identification of the functional brain network underlying the novel tank test. *eNeuro*, 12(3).

Fontana BD, et al. (2025) Individual differences in fear memory expression engage distinct functional brain networks. *bioRxiv : the preprint server for biology*.

Zimmerman CA, et al. (2024) A neural mechanism for learning from delayed postingestive feedback. *bioRxiv : the preprint server for biology*.

Yen A, et al. (2024) MYT1L deficiency impairs excitatory neuron trajectory during cortical development. *Nature communications*, 15(1), 10308.

Rajput N, et al. (2024) Whole-brain mapping in adult zebrafish and identification of a novel tank test functional connectome. *bioRxiv : the preprint server for biology*.

Weiler S, et al. (2024) A primary sensory cortical interareal feedforward inhibitory circuit for tacto-visual integration. *Nature communications*, 15(1), 3081.

Sun W, et al. (2024) Footprints of innate immune activity during HIV-1 reservoir cell evolution in early-treated infection. *The Journal of experimental medicine*, 221(11).

Zhang H, et al. (2023) Application of high-throughput single-nucleus DNA sequencing in pancreatic cancer. *Nature communications*, 14(1), 749.

Sun W, et al. (2023) Phenotypic signatures of immune selection in HIV-1 reservoir cells. *Nature*, 614(7947), 309.

Buck SA, et al. (2023) Sexually dimorphic mechanisms of VGLUT-mediated protection from dopaminergic neurodegeneration. *bioRxiv : the preprint server for biology*.

Kim J, et al. (2021) Single-cell transcriptomics: a novel precision medicine technique in nephrology. *The Korean journal of internal medicine*, 36(3), 479.

Neves M, et al. (2021) An extensive review of tools for manual annotation of documents. *Briefings in bioinformatics*, 22(1), 146.

Blot A, et al. (2021) Visual intracortical and transthalamic pathways carry distinct information to cortical areas. *Neuron*, 109(12), 1996.

Giulietti M, et al. (2020) MetaTropismDB: a database of organ-specific metastasis induced by human cancer cell lines in mouse models. *Database : the journal of biological databases and curation*, 2020.