Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 13, 2025

CellFinder

RRID:SCR_006598
Type: Tool

Proper Citation

CellFinder (RRID:SCR_006598)

Resource Information

URL: http://cellfinder.de/

Proper Citation: CellFinder (RRID:SCR_006598)

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 or information resource, service resource, analysis service resource, data analysis service, production service resource, database

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

Availability: Open unspecified license, The community can contribute to this resource

Resource Name: CellFinder

Resource ID: SCR_006598

Alternate IDs: nlx_153857

Record Creation Time: 20220129T080237+0000

Record Last Update: 20250412T055110+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 18 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

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

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

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.

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.

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.

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.

Kämpf S, et al. (2019) Aging Markers in Equine Red Blood Cells. Frontiers in physiology, 10, 893.

Steinbach G, et al. (2019) Fluorescence-detected linear dichroism imaging in a re-scan confocal microscope equipped with differential polarization attachment. European biophysics journal : EBJ, 48(5), 457.

Habibi M, et al. (2017) Deep learning with word embeddings improves biomedical named entity recognition. Bioinformatics (Oxford, England), 33(14), i37.

El Amrani K, et al. (2015) MGFM: a novel tool for detection of tissue and cell specific marker genes from microarray gene expression data. BMC genomics, 16(1), 645.

Neves M, et al. (2014) An analysis on the entity annotations in biological corpora. F1000Research, 3, 96.

Neves M, et al. (2013) Preliminary evaluation of the CellFinder literature curation pipeline for gene expression in kidney cells and anatomical parts. Database : the journal of biological databases and curation, 2013, bat020.