

Resource Summary Report

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[PanglaoDB](#)

RRID:SCR_022580

Type: Tool

Proper Citation

PanglaoDB (RRID:SCR_022580)

Resource Information

URL: <https://panglaodb.se/>

Proper Citation: PanglaoDB (RRID:SCR_022580)

Description: Database for exploration of single cell RNA sequencing experiments from mouse and human. Collects and integrate data from multiple studies and present them through unified framework.

Resource Type: database, data or information resource

Defining Citation: [PMID:30951143](#)

Keywords: single cell RNA sequencing experiments, mouse data, human data, single cell RNA sequencing

Funding: Karolinska Institutet/AstraZeneca Integrated Cardio Metabolic Centre ;
Fondation Leducq—Transatlantic PlaQOmics Network ;
Hjärt-och Lungfonden ;
Vetenskapsrådet

Availability: Free, Freely available

Resource Name: PanglaoDB

Resource ID: SCR_022580

Record Creation Time: 20220726T050157+0000

Record Last Update: 20260808T190443+0000

Ratings and Alerts

No rating or validation information has been found for PanglaoDB.

No alerts have been found for PanglaoDB.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 140 mentions in open access literature.

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

Chen G, et al. (2026) Single-Cell Analyses Reveal IKK γ Regulates the Interaction Between Macrophages and T Cells in the Doxorubicin-Induced Cardiomyopathy. Inflammation, 49(1).

Xu H, et al. (2026) Uncovering core stemness biomarkers in HBV-HCC through integrated multi-omics. PloS one, 21(5), e0349171.

Furutani Y, et al. (2026) Ligand-dependent Wnt signaling promotes gastric cancer metastasis through hyaluronan expression in microenvironment. Nature communications, 17(1).

Chen JW, et al. (2026) FKBP10 promotes M2 polarization of macrophage via MEK/ERK/CXCL8 axis and facilitates tumor progression in clear cell renal cell carcinoma. International journal of biological sciences, 22(4), 1807.

Yao Y, et al. (2026) Endothelial UNC5B regulates blood-retinal barrier homeostasis. International journal of molecular medicine, 57(4).

Nicolaidou E, et al. (2026) Network-Based Bioinformatics Reveal Microenvironment-Driven Cell-to-Cell Communication in the Progression of Multiple Myeloma. International journal of molecular sciences, 27(11).

Breinig M, et al. (2026) Integrated in vivo combinatorial functional genomics and spatial transcriptomics of tumours to decode genotype-to-phenotype relationships. Nature biomedical engineering, 10(1), 125.

Chen A, et al. (2026) WGCNA and machine learning identify AURKA, CDK1, and other hub genes associated with immune infiltration as therapeutic targets in GIST: An integrative bioinformatics analysis. Medicine, 105(1), e46636.

Zhong R, et al. (2026) A Single-Cell Transcriptomic Atlas Elucidates a Microglial Gene Signature Linking Ferroptosis to Mitochondrial Dysfunction in Epilepsy. Journal of inflammation research, 19, 576674.

Zhao W, et al. (2026) CAR-M2 immunotherapy resolves renal fibrosis via revascularization and apoptosis of profibrotic Cxcr2⁺ endothelial cells. Cell reports. Medicine, 7(4), 102698.

Wang C, et al. (2026) New perspectives on the mechanisms and treatment of valvular heart disease: Mendelian randomization and systematic analysis based on plasma

proteins. *Medicine*, 105(14), e48210.

Meng R, et al. (2026) Transcriptomic and single-cell analyses reveal the prognostic value of ETV4 and its role in shaping the immune landscape of colorectal cancer. *Translational oncology*, 68, 102775.

Yu Z, et al. (2026) scMapNet: Marker-based cell type annotation of scRNA-seq data via vision transfer learning with tabular-to-image transformations. *Journal of advanced research*, 85, 633.

Zhang Z, et al. (2026) Metformin Restores Mitochondrial Function and Neurogenesis in POLG Patient-Derived Brain Organoids. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(4), e17721.

Yonemaru H, et al. (2026) Hippocampal transcriptome profiling in a 22q11.2 deletion syndrome mouse model: comparison with human schizophrenia. *Molecular brain*, 19(1).

Erhardsson M, et al. (2026) The mouse gastric surface epithelial cell and its response to early *Helicobacter pylori* infection. *Virulence*, 17(1), 2645859.

Altendorf L, et al. (2026) Molecular changes during AT/RT progression associated with epithelial-mesenchymal transition and extracellular matrix changes. *Acta neuropathologica*, 152(1).

Lv Y, et al. (2026) Transcriptomic insights into the immunological similarities and differences among the spleen, head kidney, and trunk kidney in *Hemibarbus Labeo*. *BMC genomics*, 27(1).

Chen Z, et al. (2026) Causal Association Between Plasma Proteins and Pericarditis: A Mendelian Randomization Study With Therapeutic Target Identification. *Mediators of inflammation*, 2026, 4659271.

Sundheimer JK, et al. (2026) Ependymoma group-specific blood-brain barrier differences uncovered by a multi-omics approach. *Scientific reports*, 16(1).