

Resource Summary Report

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CancerSEA

RRID:SCR_026155

Type: Tool

Proper Citation

CancerSEA (RRID:SCR_026155)

Resource Information

URL: <http://biocc.hrbmu.edu.cn/CancerSEA/>

Proper Citation: CancerSEA (RRID:SCR_026155)

Description: Database that aims to comprehensively explore distinct functional states of cancer cells at the single-cell level. Provides functional state-associated PCG/lncRNA repertoires across all cancers, in specific cancers, and in individual cancer single-cell datasets. Provides interface for comprehensively searching, browsing, visualizing and downloading functional state activity profiles of cancer single cells and corresponding PCGs/lncRNAs expression profiles.

Synonyms: Cancer Single-cell State Atlas

Resource Type: data or information resource, database

Defining Citation: [PMID:30329142](#)

Keywords: cancer single cells, PCGs/lncRNAs expression profiles, distinct functional states of cancer cells, single-cell level, searching, browsing, visualizing and downloading, functional state activity profiles,

Funding: National High Technology Research and Development Program of China ; National Natural Science Foundation of China

Availability: Free, Freely available

Resource Name: CancerSEA

Resource ID: SCR_026155

Record Creation Time: 20241210T053256+0000

Record Last Update: 20260804T043842+0000

Ratings and Alerts

No rating or validation information has been found for CancerSEA.

No alerts have been found for CancerSEA.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 80 mentions in open access literature.

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

Chen J, et al. (2026) Tumor Electric Field Therapy Inhibits TGF- β /C1R Signaling Axis-Driven Epithelial-Mesenchymal Transition in Glioblastoma. *CNS neuroscience & therapeutics*, 32(1), e70738.

Li H, et al. (2025) Mechanistic study of N-acetyltransferase 10 deficiency enhancing olaparib sensitivity in triple negative breast cancer by inhibiting RAD51 N4-acetylcytidine modification. *iScience*, 28(7), 112860.

Zhang G, et al. (2025) Dissecting the Spatial and Single-Cell Transcriptomic Architecture of Cancer Stem Cell Niche Driving Tumor Progression in Gastric Cancer. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(18), e2413019.

Zhao Z, et al. (2025) CDCA genes as prognostic and therapeutic targets in Colon adenocarcinoma. *Hereditas*, 162(1), 19.

Du W, et al. (2025) Integrated bioinformatics and experimental analysis of CHAF1B as a novel biomarker and immunotherapy target in LUAD. *Discover oncology*, 16(1), 43.

Chen Q, et al. (2025) Single-cell transcriptomics unveils multifaceted immune heterogeneity in early-onset versus late-onset cervical cancer. *World journal of surgical oncology*, 23(1), 12.

Li Q, et al. (2025) GNPAT1 acts as a prognostic biomarker associated with immune infiltration in lung adenocarcinoma and promotes the proliferation and invasion of cancer cells. *Discover oncology*, 16(1), 1966.

Qu L, et al. (2025) Phosphorylation-Dependent Stabilization of Collaborator of ARF (CARF) Suppresses Lymphoma Cell Proliferation. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(33), e16687.

Muhammad S, et al. (2025) Exploring the prognostic role and expression patterns of FAM3A family genes in kidney renal clear cell carcinoma. *Scientific reports*, 15(1), 22397.

Li Q, et al. (2025) SET8 modulates prognosis and radiotherapeutic efficacy by regulating radiation-induced migration in lung adenocarcinoma. *Journal of translational medicine*, 23(1), 1024.

Zou Y, et al. (2025) Single-cell atlas profiling revealed cellular characteristics and dynamic changes after PD-1 blockade therapy of brain metastases from laryngeal squamous cell carcinoma. *Molecular and cellular biochemistry*, 480(4), 2377.

You P, et al. (2025) Knockdown of RFC4 inhibits cell proliferation of oral squamous cell carcinoma in vitro and in vivo. *FEBS open bio*, 15(2), 346.

Xiao M, et al. (2025) DPH2 is a biomarker associated with cell death, immunity and prognosis based on pan-cancer analysis. *Discover oncology*, 16(1), 149.

Deng Z, et al. (2025) Pan-cancer analysis shows that TNFSF4 is a potential prognostic and immunotherapeutic biomarker for multiple cancer types including liver cancer. *BMC cancer*, 25(1), 100.

Meng M, et al. (2025) PRR13 expression as a prognostic biomarker in breast cancer: correlations with immune infiltration and clinical outcomes. *Frontiers in molecular biosciences*, 12, 1518031.

Liu B, et al. (2025) Bioinformatics Analysis Reveals Microrchidia Family Genes as the Prognostic and Therapeutic Markers for Colorectal Cancer. *Endocrine, metabolic & immune disorders drug targets*, 25(15), 1240.

Zheng H, et al. (2025) PKM2 modulates chemotherapy sensitivity by regulating autophagy and predicts the prognosis and immunity in pancancer. *Scientific reports*, 15(1), 14626.

Zhang X, et al. (2025) MTCH2 regulates NRF2-mediated RRM1 expression to promote melanoma proliferation and dacarbazine insensitivity. *Cell death & disease*, 16(1), 268.

Huang G, et al. (2025) Increased CCL18 expression infers a poor prognosis in glioblastoma multiforme and promotes U-87 MG cell proliferation and migration: A retrospective cohort study. *Medicine*, 104(22), e42009.

Zhang L, et al. (2025) Mechanistic Insights Into the Tumor-Driving and Diagnostic Roles of KCTD Family Genes in Ovarian Cancer: An Integrated In Silico and In Vitro Analysis. *Cancer medicine*, 14(16), e71147.