Resource Summary Report

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cBioPortal

RRID:SCR_014555
Type: Tool

Proper Citation

cBioPortal (RRID:SCR_014555)

Resource Information

URL: http://www.cbioportal.org/

Proper Citation: cBioPortal (RRID:SCR_014555)

Description: A portal that provides visualization, analysis and download of large-scale cancer genomics data sets.

Synonyms: cBioPortal for Cancer Genomics

Resource Type: portal, database, data or information resource

Defining Citation: PMID:23550210, PMID:22588877

Keywords: cancer, genomics, database, portal, data sets, FASEB list

Funding: NCI U24CA143840;
NCRR RR031228-02

Availability: Please cite, Software is available via GitHub, Open source

Resource Name: cBioPortal

Resource ID: SCR_014555

Alternate URLs: https://github.com/cBioPortal/cbioportal/
https://github.com/cBioPortal/cbioportal/blob/master/docs/README.md

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Record Creation Time: 20220129T080321+0000

Record Last Update: 20250330T061351+0000

Ratings and Alerts

No rating or validation information has been found for cBioPortal.

No alerts have been found for cBioPortal.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 7552 mentions in open access literature.

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

Liu Y, et al. (2025) Novel genetic variants in the NLRP3 inflammasome-related PANX1 and APP genes predict survival of patients with hepatitis B virus-related hepatocellular carcinoma. Clinical & translational oncology : official publication of the Federation of Spanish Oncology Societies and of the National Cancer Institute of Mexico, 27(2), 630.

Maruyama S, et al. (2025) FOXP3+/CD8+ ratio associated with aggressive behavior in RUNX3-methylated diffuse esophagogastric junction tumor. Cancer science, 116(1), 178.

Liao F, et al. (2025) The role of FOXK2-FBXO32 in breast cancer tumorigenesis: Insights into ribosome-associated pathways. Thoracic cancer, 16(1), e15482.

Kim MJ, et al. (2025) Autophagy activation in response to cigarette smoke: Exploring the disparity in laryngeal cancer incidence and outcomes between sexes in South Korea. Translational oncology, 52, 102229.

Li D, et al. (2025) Integrative pan-cancer analysis and experiment validation identified GLS as a biomarker in tumor progression, prognosis, immune microenvironment, and immunotherapy. Scientific reports, 15(1), 525.

Si Q, et al. (2025) Transferrin receptor uptakes iron from tumor-associated neutrophils to regulate invasion patterns of OSCC. Cancer immunology, immunotherapy : CII, 74(2), 43.

Shi Y, et al. (2025) Stathmin 1 expression in neuroendocrine and proliferating prostate cancer. Discover oncology, 16(1), 19.

Tang Y, et al. (2025) FLT3 is associated with dendritic cell infiltration, tertiary lymphoid structure construction, and predict response to checkpoint inhibitors immunotherapy in solid cancers. Scientific reports, 15(1), 2477.

Oh JH, et al. (2025) Biological correlates associated with high-risk breast cancer patients identified using a computational method. NPJ breast cancer, 11(1), 8.

Yang J, et al. (2025) VSTM2L protects prostate cancer cells against ferroptosis via inhibiting VDAC1 oligomerization and maintaining mitochondria homeostasis. Nature communications, 16(1), 1160.

Liu M, et al. (2025) Identification of Immune Infiltration-Associated CC Motif Chemokine Ligands as Biomarkers and Targets for Colorectal Cancer Prevention and Immunotherapy. International journal of molecular sciences, 26(2).

Yun J, et al. (2025) Reclassification of Myelodysplastic Neoplasms According to the 2022 World Health Organization Classification and the 2022 International Consensus Classification Using Open-Source Data: Focus on SF3B1- and TP53-mutated Myelodysplastic Neoplasms. Annals of laboratory medicine, 45(1), 36.

Matsumoto M, et al. (2025) Missense mutations of the ephrin receptor EPHA1 associated with Alzheimer's disease disrupt receptor signaling functions. The Journal of biological chemistry, 301(2), 108099.

Hao W, et al. (2025) Advances in predicting breast cancer driver mutations: Tools for precision oncology (Review). International journal of molecular medicine, 55(1).

Ippolito JE, et al. (2025) N-Linked Fucosylated Glycans Are Biomarkers for Prostate Cancer with a Neuroendocrine and Metastatic Phenotype. Molecular cancer research : MCR, 23(1), 59.

Pang J, et al. (2025) Multiomics analysis reveals the involvement of NET1 in tumour immune regulation and malignant progression. Scientific reports, 15(1), 56.

Jia Y, et al. (2025) RUNX1 promotes proliferation of cervical cancer through TGFB2-MAPK pathway. Scientific reports, 15(1), 497.

Verma RK, et al. (2025) Comprehensive analysis of inhibin-? A as a potential biomarker for gastrointestinal tract cancers through bioinformatics approaches. Scientific reports, 15(1), 1090.

Yang C, et al. (2025) MYC Overexpression Enhances Sensitivity to MEK Inhibition in Head and Neck Squamous Cell Carcinoma. International journal of molecular sciences, 26(2).

Giacobbi E, et al. (2025) Implications of Mineralization Biomarkers in Breast Cancer Outcomes Beyond Calcifications. International journal of molecular sciences, 26(2).