

Resource Summary Report

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Chinese Glioma Genome Atlas

RRID:SCR_018802

Type: Tool

Proper Citation

Chinese Glioma Genome Atlas (RRID:SCR_018802)

Resource Information

URL: <http://www.cgga.org.cn/>

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Description: Web application for data storage and analysis to explore brain tumors datasets from Chinese cohorts. Data portal for storage and interactive exploration of multi-dimensional functional genomic data that includes primary and recurrent glioma samples from Chinese cohorts. Allows users to browse DNA mutation profile, mRNA/microRNA expression profile and methylation profile, and to do correlation and survival analysis in specific glioma subtype.

Abbreviations: CGGA

Resource Type: data set, disease-related portal, data or information resource, database, topical portal, portal

Defining Citation: [DOI:10.1101/2020.01.20.911982](https://doi.org/10.1101/2020.01.20.911982)

Keywords: Functional genomic data, glioma samples, brain tumor datasets, Chinese cohort, whole exome sequencing data, DNA methylation data, mRNA sequencing data, microRNA microarray data, clinical data, DNA mutation profile analysis, expression profile, methylation profile, survival analysis, glioma subtype, FASEB list

Related Condition: Glioma

Availability: Free, Freely available

Resource Name: Chinese Glioma Genome Atlas

Resource ID: SCR_018802

Record Creation Time: 20220129T080342+0000

Record Last Update: 20260729T044500+0000

Ratings and Alerts

No rating or validation information has been found for Chinese Glioma Genome Atlas.

No alerts have been found for Chinese Glioma Genome Atlas.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 877 mentions in open access literature.

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

Chiang YC, et al. (2026) Multi-Omics and Single-Cell Dissection of Exostosin Glycosyltransferases (EXT1/EXT2) Reveals Divergent Oncogenic Roles and Therapeutic Vulnerabilities in Gliomas. *Journal of Cancer*, 17(1), 177.

Tsai HC, et al. (2025) Acrolein induces exosomal miR-30a-5p/NCAM1 axis promoting glioma progression. *Molecular cancer therapeutics*.

Kundu S, et al. (2025) Inhibition of Extracellular Matrix Protein Fibulin-3 Reduces Immunosuppressive Signaling and Increases Macrophage Activation in Glioblastoma. *Cancer research communications*, 5(9), 1599.

Qiu K, et al. (2025) LTF as a Potential Prognostic and Immunological Biomarker in Glioblastoma. *Biochemical genetics*, 63(3), 2347.

Wu Y, et al. (2025) A Risk Model Based on Ferroptosis-Related Genes OSMR, G0S2, IGFBP6, IGHG2, and FMOD Predicts Prognosis in Glioblastoma Multiforme. *CNS neuroscience & therapeutics*, 31(1), e70161.

Zhang Y, et al. (2025) ADAR1 Promotes the Progression and Temozolomide Resistance of Glioma Through p62-Mediated Selective Autophagy. *CNS neuroscience & therapeutics*, 31(1), e70168.

Ding X, et al. (2025) Moesin silencing enhances the radiosensitivity of glioblastoma by inhibiting DNA damage repair via CD44/AKT1 signaling pathway. *Discover oncology*, 16(1), 1451.

Zhao Y, et al. (2025) Integrative analysis of polyamine metabolism-related genes in gliomas: implications for prognosis and therapy. *Frontiers in oncology*, 15, 1517557.

Sun Z, et al. (2025) Heat shock proteins related signature characterizes immune status and predicts prognosis of gliomas. *Scientific reports*, 15(1), 28652.

Wu P, et al. (2025) Machine learning derived development and validation of extracellular matrix related signature for predicting prognosis in adolescents and young adults glioma.

Scientific reports, 15(1), 28926.

Chen C, et al. (2025) Developing and validating a prognostic disulfidptosis-related signature for glioblastoma: predicting radioresistance and synergistic effect with immunotherapy. *Journal of cancer research and clinical oncology*, 151(3), 112.

Cheng B, et al. (2025) EMB-driven glioblastoma multiforme progression via the MCT4/GPX3 axis: therapeutic inhibition by Ganxintriol A. *Journal of translational medicine*, 23(1), 272.

Li Y, et al. (2025) Multi-omics analysis identifies novels genes involved in glioma prognosis. *Scientific reports*, 15(1), 5806.

Lv P, et al. (2025) Pan-cancer analysis identifies ADAM12 as a prognostic biomarker and indicator of immune infiltration in glioma. *Scientific reports*, 15(1), 6314.

Wang P, et al. (2025) Novel metabolic subtypes in IDH-mutant gliomas: implications for prognosis and therapy. *BMC cancer*, 25(1), 815.

Huang Y, et al. (2025) Construction of lactylation-related prognostic signature for glioma. *Discover oncology*, 16(1), 1783.

Zhu J, et al. (2025) Disulfidptosis OXSM serves as a potential prognostic biomarker and correlates with immune infiltrates in glioma. *Discover oncology*, 16(1), 1734.

Tian J, et al. (2025) Bioinformatics analysis to identify key invasion related genes and construct a prognostic model for glioblastoma. *Scientific reports*, 15(1), 10773.

Noor H, et al. (2025) Response to anti-angiogenic therapy is affected by AIMP protein family activity in glioblastoma and lower-grade gliomas. *bioRxiv : the preprint server for biology*.

Zhao B, et al. (2025) A spatial transcriptomics study of MES-like and mono/macro cells in gliomas. *Scientific reports*, 15(1), 12730.