

Resource Summary Report

Generated by [T1D](#) on Sep 16, 2026

CGDB

RRID:SCR_011959

Type: Tool

Proper Citation

CGDB (RRID:SCR_011959)

Resource Information

URL: <http://sbc.bioch.ox.ac.uk/cgdb/>

Proper Citation: CGDB (RRID:SCR_011959)

Description: A database of membrane protein/lipid interactions by coarse-grained molecular dynamics simulations.

Abbreviations: CGDB

Synonyms: Coarse Grained Database, Coarse-Grained Database, CG Database

Resource Type: data or information resource, data set

Defining Citation: [PMID:18937097](#), [PMID:18208379](#)

Keywords: protein, image, coarse-grained, molecular dynamics, membrane protein

Funding: BBSRC

Availability: Acknowledgement requested

Resource Name: CGDB

Resource ID: SCR_011959

Alternate IDs: OMICS_01608

Record Creation Time: 20220129T080307+0000

Record Last Update: 20260912T200337+0000

Ratings and Alerts

No rating or validation information has been found for CGDB.

No alerts have been found for CGDB.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 32 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#).

Fu Y, et al. (2026) Comprehensive genomic analysis and database construction for Apiales. *Journal of advanced research*, 85, 51.

Liu H, et al. (2026) Vaginal microbiota transfer ameliorates cesarean-associated neurodevelopmental deficits in mice via N-bc2S1P synthesis on neonatal skin. *Cell host & microbe*, 34(5), 942.

Hage Chehade C, et al. (2025) Association of Homologous Recombination Repair Alterations with Outcomes in Patients with Metastatic Hormone-Sensitive Prostate Cancer. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(19), 4101.

Boos LA, et al. (2025) Precision Oncology Program (POP), an observational study using real-world data and imaging mass cytometry to explore decision support for the Molecular Tumor Board: study protocol. *BMJ open*, 15(3), e096591.

Du J, et al. (2025) Exploring the association between circadian rhythms and osteoporosis: new diagnostic and therapeutic targets identified via machine learning. *Frontiers in molecular biosciences*, 12, 1614221.

Rizzo M, et al. (2025) The genomic landscape of metastatic clear-cell renal cell carcinoma and its prognostic value: a comprehensive analysis of a large real-world clinico-genomic database. *ESMO open*, 10(3), 104294.

Li H, et al. (2025) Comprehensive Analysis Reveals the Potential Diagnostic Value of Biomarkers Associated With Aging and Circadian Rhythm in Knee Osteoarthritis. *Orthopaedic surgery*, 17(3), 922.

Bilen MA, et al. (2025) Comparison of Real-World Outcomes between Patients with BRCA1/2-Positive and Homologous Recombination Repair-Negative Metastatic Castration-Sensitive Prostate Cancer. *Advances in therapy*, 42(8), 3945.

Zhang Y, et al. (2025) Jet lag-induced circadian disruption elevates glioma risk by altering molecular profiles in distinct brain regions. *Discover oncology*, 16(1), 1410.

Radhakrishna U, et al. (2024) DNA methylation patterns of circadian and ultradian genes are altered in the peripheral blood of patients with hidradenitis suppurativa. *Frontiers in immunology*, 15, 1475424.

Yorio J, et al. (2024) Association of Timely Comprehensive Genomic Profiling With Precision Oncology Treatment Use and Patient Outcomes in Advanced Non-Small-Cell Lung Cancer. *JCO precision oncology*, 8, e2300292.

Shui IM, et al. (2024) Real-world prevalence of homologous recombination repair mutations in advanced prostate cancer: an analysis of two clinico-genomic databases. *Prostate cancer and prostatic diseases*, 27(4), 728.

Bhave MA, et al. (2024) Comprehensive genomic profiling of ESR1, PIK3CA, AKT1, and PTEN in HR(+)HER2(-) metastatic breast cancer: prevalence along treatment course and predictive value for endocrine therapy resistance in real-world practice. *Breast cancer research and treatment*, 207(3), 599.

Shi Y, et al. (2024) Mining key circadian biomarkers for major depressive disorder by integrating bioinformatics and machine learning. *Aging*, 16(12), 10299.

Waliany S, et al. (2024) Real-World Prevalence, Treatment Patterns, and Outcomes for Patients With HER2 (ERBB2)-Mutant Metastatic Non-Small Cell Lung Cancer, From a US-Based Clinico-Genomic Database. *Cancer medicine*, 13(24), e70272.

Palatinszky M, et al. (2024) Growth of complete ammonia oxidizers on guanidine. *Nature*, 633(8030), 646.

Quintanilha JCF, et al. (2023) Tumor Mutational Burden in Real-World Patients With Pancreatic Cancer: Genomic Alterations and Predictive Value for Immune Checkpoint Inhibitor Effectiveness. *JCO precision oncology*, 7, e2300092.

Reichert ZR, et al. (2023) Prognostic value of plasma circulating tumor DNA fraction across four common cancer types: a real-world outcomes study. *Annals of oncology : official journal of the European Society for Medical Oncology*, 34(1), 111.

Wang Q, et al. (2023) Circadian Genes MBOAT2/CDA/LPCAT2/B4GALT5 in the Metabolic Pathway Serve as New Biomarkers of PACA Prognosis and Immune Infiltration. *Life (Basel, Switzerland)*, 13(5).

So WV, et al. (2023) Predictive biomarkers for PD-1/PD-L1 checkpoint inhibitor response in NSCLC: an analysis of clinical trial and real-world data. *Journal for immunotherapy of cancer*, 11(2).