Resource Summary Report

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Biological General Repository for Interaction Datasets (BioGRID)

RRID:SCR_007393
Type: Tool

Proper Citation

Biological General Repository for Interaction Datasets (BioGRID) (RRID:SCR_007393)

Resource Information

URL: http://www.thebiogrid.org/

Proper Citation: Biological General Repository for Interaction Datasets (BioGRID) (RRID:SCR_007393)

Description: Curated protein-protein and genetic interaction repository of raw protein and genetic interactions from major model organism species, with data compiled through comprehensive curation efforts.

Abbreviations: BioGRID

Synonyms: , BioGRID, Biological General Repository for Interaction Datasets

Resource Type: data or information resource, database

Defining Citation: PMID:23203989, PMID:21071413, PMID:16381927, PMID:12620108

Keywords: budding yeast, fission yeast, protein, gene, protein interaction, genetic interaction, model organism, interaction, dataset, gene annotation, phenotype, orthologous interaction, yeast, cellular interaction network, physical interaction, protein-peptide, protein-rna, protein-protein interaction, genetics, publication, raw protein, genetic interaction, web service, pathway, network, biology, gene mapping, statistics, bio.tools, FASEB list

Funding: BBSRC ;
Canadian Institutes of Health Research ;
NCRR R01 RR024031;
NHGRI HG02223;
NIH Office of the Director R24 OD011194

Availability: Free, Freely available

Resource Name: Biological General Repository for Interaction Datasets (BioGRID)

Resource ID: SCR_007393

Alternate IDs: nif-0000-00432, r3d100010350, OMICS_01901, biotools:the_grid

Alternate URLs: https://orip.nih.gov/comparative-medicine/programs/genetic-biological-and-information-resources, https://bio.tools/the_grid, https://doi.org/10.17616/R34C7G

Record Creation Time: 20220129T080241+0000

Record Last Update: 20260821T193808+0000

Ratings and Alerts

No rating or validation information has been found for Biological General Repository for Interaction Datasets (BioGRID).

No alerts have been found for Biological General Repository for Interaction Datasets (BioGRID).

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 2824 mentions in open access literature.

Listed below are recent publications. The full list is available at ASWG .

Xu H, et al. (2026) Folic Acid-Modified Ginger-Derived Exosome-Like Nanoparticles Co-Delivering Sunitinib Suppress Renal Cell Carcinoma via PI3K-Akt Pathway Inhibition, P-gp Downregulation, and Macrophage Reprogramming. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(6), e12563.

Liu Z, et al. (2026) DCUN1D5 promotes the proliferation and migration of colorectal cancer tumors in vitro and in vivo. Cancer cell international, 26(1).

Nguyen TNG, et al. (2026) Splicing regulation and intron evolution in the short-intron ciliate model of endosymbiosis Paramecium bursaria. Nucleic acids research, 54(3).

Xia C, et al. (2026) OCTN2 Activates a Non-Canonical Carnitine Metabolic Pathway to Promote MASH-HCC Progression and Immunotherapy Resistance. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(16), e17054.

Kingma E, et al. (2026) Global genetic rewiring during compensatory evolution in the yeast polarity network. EMBO reports, 27(6), 1414.

Wu Y, et al. (2026) Chronic stress-induced ANPEP drives liver cancer progression by increasing glutathione synthesis and inhibiting ferroptosis. The Journal of clinical investigation, 136(4).

Fei X, et al. (2026) GALNT3 Inhibits the Progression of Cerebral Ischemia-Reperfusion Injury by Stabilizing TREM2 via O-GalNAc Glycosylation. CNS neuroscience & therapeutics, 32(3), e70828.

Mangalaparthi KK, et al. (2026) Proteomic profiling revealed unique disease biology associated with 1q abnormalities in multiple myeloma. NPJ precision oncology, 10(1).

Zhong J, et al. (2026) Splitpea: a Python package for protein-protein interaction network rewiring analysis due to alternative splicing. Bioinformatics (Oxford, England), 42(4).

Seibert M, et al. (2026) Endogenous protein tagging coupled with a CRISPR screening approach identifies UBE3C as a potential MYC oncogene regulator. Scientific reports, 16(1).

Subramani PG, et al. (2026) DOT1L activity limits transcription elongation velocity and favors RNAPII pausing to facilitate mutagenesis by AID. Nature communications, 17(1), 1623.

Yang YF, et al. (2026) Integrative analysis identifies PIGK as an oncogenic glycosylphosphatidylinositol transamidase subunit with prognostic, immunological, and therapeutic relevance in head and neck cancer. International journal of medical sciences, 23(1), 161.

Aksu R, et al. (2026) Unravelling Synaptic and Metabolic Mechanisms of Cognitive Resilience in Asymptomatic Alzheimer's Disease Across Two Alzheimer's Disease Cohorts. Cellular and molecular neurobiology, 46(1).

Chua NK, et al. (2026) The E3-ome gene-centric compendium reveals the human E3 ligase landscape. Cell, 189(7), 2167.

Yang P, et al. (2026) The ANXA2P1-hnRNP F-HK2/c-Myc Positive Feedback Loop Promotes Proliferation and Glycolytic Metabolism in Gastric Cancer. International journal of biological sciences, 22(7), 3658.

Piroozmand S, et al. (2026) Suboptimal Responses to Anti-VEGF in Retinal Neurovascular Diseases: Linking Aging and Alternative Angioinflammatory Pathways. Investigative ophthalmology & visual science, 67(5), 4.

Newsom-Stewart CM, et al. (2026) Mapping of the hSOX10 Proximal Protein Interactome in Human Melanoma. Journal of proteome research, 25(6), 2649.

Chu SA, et al. (2026) Integrated proteogenomic and metabolomic profiling of acute myeloid leukemias to identify molecular subtypes and associated therapy targets. Nature cancer, 7(6), 993.

Fang C, et al. (2026) Transcription cofactor Hes6 interacts with Twist1 to facilitate EMT and promote gastric carcinogenesis by activating the PI3K/AKT signaling. Genes & diseases, 13(5), 101674.

Wang T, et al. (2026) Eliminate Mycobacterium tuberculosis via HELZ2 and up-regulating ATG16L1 to promote macrophage autophagy. Journal of medical microbiology, 75(6).