

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: database, software resource, data or information resource

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: NCRR R01 RR024031;
NHGRI HG02223;
Canadian Institutes of Health Research ;
BBSRC ;
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, OMICS_01901, biotools:the_grid

Alternate URLs: <https://orip.nih.gov/comparative-medicine/programs/genetic-biological-and-information-resources>, https://bio.tools/the_grid

Record Creation Time: 20220129T080241+0000

Record Last Update: 20250425T055605+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 2383 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Cigler M, et al. (2025) Orpinolide disrupts a leukemic dependency on cholesterol transport by inhibiting OSBP. Nature chemical biology, 21(2), 193.

Ozisik O, et al. (2025) A collaborative network analysis for the interpretation of transcriptomics data in Huntington's disease. Scientific reports, 15(1), 1412.

Yu C, et al. (2025) TRIM47 promotes head and neck squamous cell carcinoma malignant

progression by degrading XAF1 through ubiquitination. *iScience*, 28(1), 111590.

Wang Z, et al. (2025) PRAF2 as a novel biomarker for breast cancer with machine learning and experimentation validation. *BMC cancer*, 25(1), 32.

Gui A, et al. (2025) Protein lactylation within the nucleus independently predicts the prognosis of non-specific triple-negative breast cancer. *Oncology letters*, 29(2), 72.

Kiouri DP, et al. (2025) Structure-Based Approaches for Protein-Protein Interaction Prediction Using Machine Learning and Deep Learning. *Biomolecules*, 15(1).

Wang X, et al. (2025) A novel approach for target deconvolution from phenotype-based screening using knowledge graph. *Scientific reports*, 15(1), 2414.

Buzzao D, et al. (2025) FunCoup 6: advancing functional association networks across species with directed links and improved user experience. *Nucleic acids research*, 53(D1), D658.

Wright SN, et al. (2025) State of the interactomes: an evaluation of molecular networks for generating biological insights. *Molecular systems biology*, 21(1), 1.

Yang L, et al. (2025) S100A16 stabilizes the ITGA3-mediated ECM-receptor interaction pathway to drive the malignant properties of lung adenocarcinoma cells via binding MOV10. *Molecular medicine reports*, 31(1).

Bouchereau W, et al. (2025) H3K9 post-translational modifications regulate epiblast/primitive endoderm specification in rabbit blastocysts. *Epigenetics & chromatin*, 18(1), 2.

Sullivan A, et al. (2025) 20 years of the Bio-Analytic Resource for Plant Biology. *Nucleic acids research*, 53(D1), D1576.

Pollin G, et al. (2025) Emergent properties of the lysine methylome reveal regulatory roles via protein interactions and histone mimicry. *Epigenomics*, 17(1), 5.

Ayna Duran G, et al. (2025) Bioinformatics Based Drug Repurposing Approach for Breast and Gynecological Cancers: RECQL4/FAM13C Genes Address Common Hub Genes and Drugs. *European journal of breast health*, 21(1), 63.

Zang W, et al. (2025) The MIR181A2HG/miR-5680/VCAN-CD44 Axis Regulates Gastric Cancer Lymph Node Metastasis by Promoting M2 Macrophage Polarization. *Cancer medicine*, 14(2), e70600.

Abdusamad M, et al. (2025) DUSP12 promotes cell cycle progression and protects cells from cell death by regulating ZPR9. *bioRxiv : the preprint server for biology*.

Sevilla LM, et al. (2024) Glucocorticoid receptor controls atopic dermatitis inflammation via functional interactions with P63 and autocrine signaling in epidermal keratinocytes. *Cell death & disease*, 15(7), 535.

Martin E, et al. (2024) Time-resolved proximity proteomics uncovers a membrane tension-sensitive caveolin-1 interactome at the rear of migrating cells. *eLife*, 13.

Brock K, et al. (2024) A comparative analysis of paxillin and Hic-5 proximity interactomes. *Cytoskeleton* (Hoboken, N.J.).

Rona G, et al. (2024) D-type cyclins regulate DNA mismatch repair in the G1 and S phases of the cell cycle, maintaining genome stability. *bioRxiv* : the preprint server for biology.