Resource Summary Report

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Illuminating the Druggable Genome

RRID:SCR_016924
Type: Tool

Proper Citation

Illuminating the Druggable Genome (RRID:SCR_016924)

Resource Information

URL: https://pharos.nih.gov/

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Description: Program to improve understanding of properties and functions of proteins that are currently unannotated within three most commonly drug protein families: targeted G-protein coupled receptors, ion channels, and protein kinases. Includes Data and Resource Generating Centers (DRGC), Knowledge Management Center (KMC), and Resource Dissemination and Outreach Center (RDOC).

Abbreviations: IDG

Synonyms: Pharos, Illuminating the Druggable Genome, IDG, Illuminating Druggable Genome

Resource Type: consortium, data or information resource, data repository, organization portal, portal, service resource, storage service resource

Keywords: understudied, target, protein, G protein, coupled, receptor, ion, channel, kinase, bio.tools

Funding: NIH Common Fund

Resource Name: Illuminating the Druggable Genome

Resource ID: SCR_016924

Alternate IDs: biotools:pharos

Alternate URLs: https://pharos.nih.gov/, https://bio.tools/pharos, https://darkmatter.ucsf.edu/about

Old URLs: https://druggablegenome.net

Record Creation Time: 20220129T080332+0000

Record Last Update: 20260919T195331+0000

Ratings and Alerts

No rating or validation information has been found for Illuminating the Druggable Genome.

No alerts have been found for Illuminating the Druggable Genome.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 64 mentions in open access literature.

Listed below are recent publications. The full list is available at nidm-terms .

Kafita D, et al. (2026) Decoding the dark genome reveals its organisation into modular disease networks. Scientific reports, 16(1).

Zhao C, et al. (2026) Dynamic Targetable Extracellular Vesicle Surface Proteins Monitor Depth of Response to CAR T Therapy. Research square.

Ripp L, et al. (2026) Comprehensive Assessment of Druggable Targets in Cortical Neurons Reveals Biological Limits of Cell Type-Specific Neuropharmacology. Biomedicines, 14(4).

Shi M, et al. (2026) Genetic and Proteomic Investigation of the Smoking-Parkinson's Disease Association. medRxiv : the preprint server for health sciences.

Zhang X, et al. (2026) Single-Cell Transcriptome-Wide Mendelian Randomization and Colocalization Uncover Potential Immunocytes-Related Therapeutic Targets for Obesity. Journal of cellular and molecular medicine, 30(9), e71185.

De Filippis GM, et al. (2025) Missense Variants in Nutrition-Related Genes: A Computational Study. International journal of molecular sciences, 26(19).

Zhao C, et al. (2025) Identification of Tumor-Specific Surface Proteins Enables Quantification of Extracellular Vesicle Subtypes for Early Detection of Pancreatic Ductal Adenocarcinoma. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 12(21), e2414982.

Atasagun B, et al. (2025) Exploring the Utility of Prunus mahaleb Extracts as a Source of Natural Bioactive Compounds for Functional Applications. Food science & nutrition, 13(4), e70121.

Chen Y, et al. (2025) Semi-inductive dataset construction and framework optimization for practical drug target interaction prediction with ScopeDTI. Nature communications, 16(1), 11509.

Yu Q, et al. (2025) scMalignantFinder distinguishes malignant cells in single-cell and spatial transcriptomics by leveraging cancer signatures. Communications biology, 8(1), 504.

Kapoor A, et al. (2025) SCOPE: Revealing Hidden Mechanisms in Phenotypic Screens Through Target and Pathway Enrichment. bioRxiv : the preprint server for biology.

Aldaba-Muruato LR, et al. (2025) Preclinical Research on Cinnamic Acid Derivatives for the Prevention of Liver Damage: Promising Therapies for Liver Diseases. Biomedicines, 13(5).

Hazelwood E, et al. (2025) Multi-tissue expression and splicing data prioritise anatomical subsite- and sex-specific colorectal cancer susceptibility genes. Nature communications, 16(1), 5043.

Percudani R, et al. (2025) Predicting Protein Function in the AI and Big Data Era. Biochemistry, 64(11), 2345.

Poluektov YM, et al. (2025) Mechanisms mediating effects of cardiotonic steroids in mammalian blood cells. Frontiers in pharmacology, 16, 1520927.

Liu X, et al. (2025) Precision Target Discovery for Migraine: An Integrated GWAS-eQTL-PheWAS Pipeline. Molecules (Basel, Switzerland), 30(19).

Yoo H, et al. (2025) Exploring neurokinin-1 receptor antagonism for depression with structurally differentiated inhibitors. Experimental & molecular medicine, 57(11), 2699.

Suhre K, et al. (2024) Genetic associations with ratios between protein levels detect new pQTLs and reveal protein-protein interactions. Cell genomics, 4(3), 100506.

Browning JL, et al. (2024) Applying Proteomics and Computational Approaches to Identify Novel Targets in Blast-Associated Post-Traumatic Epilepsy. International journal of molecular sciences, 25(5).

Malone SG, et al. (2024) Alcohol use disorder and body mass index show genetic pleiotropy and shared neural associations. medRxiv : the preprint server for health sciences.