Resource Summary Report

Generated by PRECISE-TBI on Jul 30, 2026

TCMGeneDIT

RRID:SCR_013396
Type: Tool

Proper Citation

TCMGeneDIT (RRID:SCR_013396)

Resource Information

URL: http://tcm.lifescience.ntu.edu.tw/index.html

Proper Citation: TCMGeneDIT (RRID:SCR_013396)

Description: TCMGeneDIT is a database system providing association information about traditional Chinese medicines (TCMs), genes, diseases, TCM effects and TCM ingredients automatically mined from vast amount of biomedical literature. Integrated protein-protein interaction and biological pathways information collected from public databases are also available. In addition, the transitive relationships among genes, TCMs and diseases could be inferred through the shared intermediates. Furthermore, TCMGeneDIT is useful in deducing possible synergistic or antagonistic contributions of the prescription components to the overall therapeutic effects. TCMGeneDIT is a unique database of various association information about TCMs. The database integrating TCMs with life sciences and biomedical studies would facilitate the modern clinical research and the understanding of therapeutic mechanisms of TCMs and gene regulations.

Resource Type: data or information resource, database

Defining Citation: PMID:18854039

Keywords: drug, gene, antagonistic, biomedical, clinical, disease, ingredient, interaction, life science, literature, medicine, pathway, prescription, protein, regulation, research, synergistic, therapeutic

Funding: National Science Council Taiwan ;
NTU Frontier and Innovative Research Projects NTUPFIR-96R0107

Resource Name: TCMGeneDIT

Resource ID: SCR_013396

Alternate IDs: nif-0000-32868

Record Creation Time: 20220129T080315+0000

Record Last Update: 20260729T044313+0000

Ratings and Alerts

No rating or validation information has been found for TCMGeneDIT.

No alerts have been found for TCMGeneDIT.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 12 mentions in open access literature.

Listed below are recent publications. The full list is available at PRECISE-TBI .

Zhang P, et al. (2023) Network pharmacology: towards the artificial intelligence-based precision traditional Chinese medicine. Briefings in bioinformatics, 25(1).

Qi X, et al. (2021) Investigating the Mechanism of Scutellariae barbata Herba in the Treatment of Colorectal Cancer by Network Pharmacology and Molecular Docking. Evidence-based complementary and alternative medicine : eCAM, 2021, 3905367.

Wang T, et al. (2021) Integrated Bioinformatics Analysis for the Screening of Associated Pathways and Therapeutic Drugs in Coronavirus Disease 2019. Archives of medical research, 52(3), 304.

Zhang N, et al. (2021) Effects of Radix Scrophulariae on Hyperthyroidism Assessed by Metabonomics and Network Pharmacology. Frontiers in pharmacology, 12, 727735.

Ma X, et al. (2020) Identifying Synergistic Mechanisms of Multiple Ingredients in Shuangbai Tablets against Proteinuria by Virtual Screening and a Network Pharmacology Approach. Evidence-based complementary and alternative medicine : eCAM, 2020, 1027271.

Mi B, et al. (2020) A network pharmacology study on analgesic mechanism of Yuanhu-Baizhi herb pair. BMC complementary medicine and therapies, 20(1), 284.

Li Y, et al. (2020) Prediction of the mechanisms of Xiaoai Jiedu Recipe in the treatment of breast cancer: A comprehensive approach study with experimental validation. Journal of ethnopharmacology, 252, 112603.

Nie H, et al. (2020) A network pharmacology-based approach to explore the effects of Chaihu Shugan powder on a non-alcoholic fatty liver rat model through nuclear receptors. Journal of cellular and molecular medicine, 24(9), 5168.

Ng JY, et al. (2020) eHealth technologies assisting in identifying potential adverse interactions with complementary and alternative medicine (CAM) or standalone CAM adverse events or side effects: a scoping review. BMC complementary medicine and therapies, 20(1), 239.

Wong VK, et al. (2016) Advanced research technology for discovery of new effective compounds from Chinese herbal medicine and their molecular targets. Pharmacological research, 111, 546.

Lee S, et al. (2015) Systems Biology - A Pivotal Research Methodology for Understanding the Mechanisms of Traditional Medicine. Journal of pharmacopuncture, 18(3), 11.

Barlow DJ, et al. (2012) In-silico studies in Chinese herbal medicines' research: evaluation of in-silico methodologies and phytochemical data sources, and a review of research to date. Journal of ethnopharmacology, 140(3), 526.