

# Resource Summary Report

Generated by [dkNET](#) on Aug 13, 2026

## drug perturbation Gene Set Enrichment Analysis

RRID:SCR\_025351

Type: Tool

### Proper Citation

drug perturbation Gene Set Enrichment Analysis (RRID:SCR\_025351)

### Resource Information

**URL:** [https://github.com/sxf296/drug\\_targeting](https://github.com/sxf296/drug_targeting)

**Proper Citation:** drug perturbation Gene Set Enrichment Analysis (RRID:SCR\_025351)

**Description:** Software tool to detect phenotypically relevant drug targets through unique transcriptomic enrichment that emphasizes biological directionality of drug-derived gene sets. Exploratory tool to screen for possible drug targeting molecules.

**Abbreviations:** dpGSEA

**Resource Type:** software resource, source code

**Defining Citation:** [DOI:10.1186/s12859-020-03929-0](https://doi.org/10.1186/s12859-020-03929-0)

**Keywords:** detect phenotypically relevant drug targets, drug-derived gene sets, transcriptomic enrichment,

**Funding:** NHLBI T32HL007567;  
NIAID P30AI036219

**Availability:** Free, Available for download, Freely available

**Resource Name:** drug perturbation Gene Set Enrichment Analysis

**Resource ID:** SCR\_025351

**Record Creation Time:** 20240521T053244+0000

**Record Last Update:** 20260813T055323+0000

### Ratings and Alerts

No rating or validation information has been found for drug perturbation Gene Set Enrichment Analysis.

No alerts have been found for drug perturbation Gene Set Enrichment Analysis.

---

## Data and Source Information

**Source:** [SciCrunch Registry](#)

---

## Usage and Citation Metrics

We found 2 mentions in open access literature.

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

Ismail J, et al. (2026) Single-cell transcriptomics reveal altered B cell responses and T cell senescence in geriatric non-responders to COVID-19 mRNA vaccination. iScience, 29(5), 115730.

Kachroo P, et al. (2025) DNA-methylation markers associated with lung function at birth and childhood reveal early life programming of inflammatory pathways. bioRxiv : the preprint server for biology.