

Resource Summary Report

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GEO2R

RRID:SCR_016569

Type: Tool

Proper Citation

GEO2R (RRID:SCR_016569)

Resource Information

URL: <https://www.ncbi.nlm.nih.gov/geo/info/geo2r.html>

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Description: Software as an interactive web tool to compare two or more groups of samples in a Gene Expression Omnibus (GEO) series regardless of data type and quality. Used to identify genes that are differentially expressed across experimental conditions. Results are presented as a table of genes ordered by significance.

Resource Type: data analysis software, data processing software, software application, software resource

Keywords: compare, group, sample, gene, expression, omnibus, data, identify, differentially, expressed, across, condition, bio.tools

Availability: Free, Available for download, Freely available

Resource Name: GEO2R

Resource ID: SCR_016569

Alternate IDs: biotools:GEO2R

Alternate URLs: <https://bio.tools/GEO2R>

Record Creation Time: 20220129T080331+0000

Record Last Update: 20260912T195841+0000

Ratings and Alerts

No rating or validation information has been found for GEO2R.

No alerts have been found for GEO2R.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 76 mentions in open access literature.

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

Wang YH, et al. (2026) Apelin promotes RANKL-mediated osteoclastogenesis by activating MAPK and NF- κ B pathways. *Molecular medicine reports*, 33(1).

Liang Z, et al. (2026) Plasma IGFBP7 improves risk reclassification for liver-related outcomes: Insights from proteo-transcriptomic profiling. *JHEP reports : innovation in hepatology*, 8(2), 101687.

Suh Y, et al. (2026) Estrogen-Dependent Regulation of FDPS in the Mouse Uterus and Its Expression in Endometrial Cancer. *International journal of molecular sciences*, 27(3).

Liu B, et al. (2026) Shared molecular features and candidate pathways underlying gastric cancer-depression comorbidity: a systems biology analysis. *Frontiers in bioinformatics*, 6, 1836419.

Lin Z, et al. (2026) Genomic Research for Abdominal Pain in Patients with Irritable Bowel Syndrome or Inflammatory Bowel Disease Before and After Mind-Body Intervention. *Journal of pain research*, 19, 605236.

Nair S, et al. (2026) An early-onset preeclampsia study of C19MC: DNA methylation in the spermatozoa and, DNA methylation and expression in the placental villi. *Reproductive biology*, 26(2), 101206.

Cha PC, et al. (2025) Integrative single-cell RNA and ATAC sequencing reveals the impact of chronic cigarette smoking on lung epithelial responses to influenza and hyperoxia. *Respiratory research*, 27(1), 13.

Zhang P, et al. (2025) Molecular control of PDPNhi macrophage subset induction by ADAP as a host defense in sepsis. *JCI insight*, 10(6).

Zhang Y, et al. (2025) KIAA1429-mediated ZFPM2-AS1 m6A modification promotes the proliferation, migration and invasion of osteosarcoma cells. *Oncology letters*, 30(4), 453.

Cheon J, et al. (2025) Exploring the Clinical Implication of S100A9 in Ulcerative Colitis and Its Progression to Cancer: A Journey from Inflammation to Cancer. *International journal of molecular sciences*, 26(12).

Kim H, et al. (2025) Estrogen-Mediated Regulation of Fam3d in Mouse Uterus During the Estrous Cycle. *International journal of molecular sciences*, 26(24).

Cheon J, et al. (2025) Prognostic Significance of CLDN1, INHBA, and CXCL12 in Colon Adenocarcinoma: A Multi-Omics and Single-Cell Approach. *Biomedicines*, 13(5).

Qiu YU, et al. (2025) OTUB2 promotes proliferation and metastasis of triple-negative breast cancer by deubiquitinating TRAF6. *Oncology research*, 33(5), 1135.

Saha A, et al. (2025) Gender-specific insights into TTN mutation: potential biomarker for female risk in kidney renal clear cell carcinoma. *Journal, genetic engineering & biotechnology*, 23(3), 100506.

Stomper J, et al. (2025) Sex differences in DNMT3A-mutant clonal hematopoiesis and the effects of estrogen. *Cell reports*, 44(4), 115494.

Iannucci A, et al. (2025) The PYRIN domain is required for TLR4-mediated inflammation by PYHIN family members. *iScience*, 28(5), 112413.

Ramirez Reyes B, et al. (2025) Homeostatic antiviral protection of the neonatal gut epithelium by interferon lambda. *Cell reports*, 44(2), 115243.

Yao R, et al. (2025) Identification of a new micropeptide altKLF4 derived from KLF4 that influences myeloma chemotherapeutic sensitivity. *Cellular signalling*, 131, 111767.

Van Pelt S, et al. (2025) Tunneling CARs: Increasing CAR T-Cell Tumor Infiltration through the Overexpression of MMP-7 and Osteopontin-b. *Cancer immunology research*, 13(11), 1732.

Kulkarni AJ, et al. (2025) L-Phenylalanine is a metabolic checkpoint of human Th2 cells. *Cell reports. Medicine*, 6(12), 102466.