

Resource Summary Report

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iDEP: Integrated Differential Expression and Pathway analysis

RRID:SCR_027373

Type: Tool

Proper Citation

iDEP: Integrated Differential Expression and Pathway analysis (RRID:SCR_027373)

Resource Information

URL: <https://bioinformatics.sdstate.edu/idep/>

Proper Citation: iDEP: Integrated Differential Expression and Pathway analysis (RRID:SCR_027373)

Description: Integrated web application for differential expression and pathway analysis of RNA-Seq data.

Abbreviations: iDEP

Resource Type: software resource, web application

Defining Citation: [PMID:30567491](#)

Keywords: differential expression, pathway analysis, RNA-Seq data,

Funding: NIGMS GM083226;
NSF ;
State of South Dakota

Availability: Free, Freely available

Resource Name: iDEP: Integrated Differential Expression and Pathway analysis

Resource ID: SCR_027373

Record Creation Time: 20250827T062506+0000

Record Last Update: 20260912T200525+0000

Ratings and Alerts

No rating or validation information has been found for iDEP: Integrated Differential Expression and Pathway analysis.

No alerts have been found for iDEP: Integrated Differential Expression and Pathway analysis.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 19 mentions in open access literature.

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

Gou X, et al. (2026) Identification of a Two-Gene Biomarker Correlated with Sensitivity to Combined PARP7 Inhibition and AHR Activation in Cancer Cells. *Cancer research communications*, 6(1), 5.

Gudi RR, et al. (2026) Human Gut Commensal *Bacteroides fragilis* Suppresses Mucin Production and Alters Microbiota Composition Resulting in Accelerated Type 1 Diabetes in Mice. *Immunology*, 177(1), 119.

Torner B, et al. (2026) The role of miRNAs in the development of brain metastases originating from lung adenocarcinoma. *Frontiers in genetics*, 17, 1769972.

Han X, et al. (2026) Impaired nitrogenous waste clearance promotes hepatocellular carcinoma. *Science advances*, 12(2), eaec0766.

Rangasami VK, et al. (2026) Regenerative bone-targeted nanoparticles modulate osteoclast function. *Nanoscale horizons*, 11(6), 1614.

Abdullah GA, et al. (2026) Altered neutrophil signalling linked to impaired chemotaxis and increased ROS and NET production in older people with frailty. *Clinical and experimental immunology*, 220(1).

Ishida-Takaku T, et al. (2026) Alzheimer's disease-related mutations in APP influence colorectal tumor formation in a sex-dependent manner. *iScience*, 29(7), 116645.

Xue Y, et al. (2026) Mucosal-associated invariant T cells recognize a tumor-derived metabolite in the DNA synthesis pathway. *Frontiers in immunology*, 17, 1797918.

Ozaki K, et al. (2025) Anti-tumor effect of intratumoral administration of induced pluripotent stem cell-derived NKT cells on glioblastoma through CD155/DNAM-1 interaction. *Stem cells translational medicine*, 14(9).

Cen S, et al. (2025) Modified Zhujing pill regulates RPE cholesterol metabolism and gut microbiota in an age-related macular degeneration mouse model. *Frontiers in cellular and infection microbiology*, 15, 1691360.

Mir FA, et al. (2025) Metabolically Healthy Obesity Is Characterized by a Distinct Proteome Signature. *International journal of molecular sciences*, 26(5).

Aliu E, et al. (2025) Chromosome architecture affects virulence and competitiveness in *Agrobacterium tumefaciens* C58. *Science advances*, 11(40), eadx7408.

Yabaji SM, et al. (2025) Dysplastic lung repair fosters a tuberculosis-promoting microenvironment through maladaptive macrophage polarization. *PLoS pathogens*, 21(10), e1013563.

Yang S, et al. (2025) High-Fat Diet-Induced Excessive Accumulation of Cerebral Cholesterol Esters and Microglial Dysfunction Exacerbate Alzheimer's Disease Pathology in APPNL-G-F mice. *Molecular neurobiology*, 62(9), 12231.

Guo B, et al. (2025) Degenerated meniscus alters knee osteoarthritis-related gene expression in articular chondrocytes through paracrine mechanisms. *Scientific reports*, 16(1), 311.

Garvey Griffith CN, et al. (2025) The contribution of amphibian macrophage subsets to scarless regeneration of skin wounds. *Frontiers in immunology*, 16, 1713361.

Aoyama S, et al. (2025) Tumor-associated high endothelial venules are associated with enhanced lymphocyte infiltration and favorable prognosis in resected hepatocellular carcinoma. *Cancer immunology, immunotherapy : CII*, 75(1), 20.

Kosonsiriluk S, et al. (2025) Transcriptomic insights into early responses of the uterovaginal junction and vagina to avian influenza virus infection in turkey breeder hens. *Frontiers in physiology*, 16, 1704399.

Poznanski P, et al. (2024) The Synergy of Chitosan and Azoxystrobin Against *Fusarium graminearum* Is Modulated by Selected ABC Transporters. *International journal of molecular sciences*, 26(1).