

Resource Summary Report

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ComBat

RRID:SCR_010974

Type: Tool

Proper Citation

ComBat (RRID:SCR_010974)

Resource Information

URL: <http://www.bu.edu/jlab/wp-assets/ComBat/Abstract.html>

Proper Citation: ComBat (RRID:SCR_010974)

Description: Adjusting batch effects in microarray expression data using Empirical Bayes methods.

Abbreviations: ComBat

Resource Type: software resource

Resource Name: ComBat

Resource ID: SCR_010974

Alternate IDs: OMICS_00857

Record Creation Time: 20220129T080301+0000

Record Last Update: 20260725T190705+0000

Ratings and Alerts

No rating or validation information has been found for ComBat.

No alerts have been found for ComBat.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3492 mentions in open access literature.

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

Trinh XT, et al. (2026) OmicsQ: a user-friendly platform for interactive quantitative omics data analysis. *Bioinformatics* (Oxford, England), 42(1).

Harrison BR, et al. (2026) Early-Life Climbing Stratifies the Metabolome and Mortality Risk in Genetically Identical Flies. *Aging cell*, 25(1), e70299.

Liu W, et al. (2026) Integrative multi-omics and network-based machine learning for early diagnosis of Parkinson's disease. *PloS one*, 21(1), e0329980.

Xie H, et al. (2026) B2M regulates ELANE in pyroptosis to affect pancreatic cancer progression. *Translational oncology*, 63, 102613.

Tripathi U, et al. (2026) Senolytic-Resistant Senescent Cells Have a Distinct SASP Profile and Functional Impact: The Path to Developing Senosensitizers. *Aging cell*, 25(1), e70358.

Yang R, et al. (2026) Exploring and Validating the Molecular Mechanisms Linking Fatty Acid Metabolism and Sarcopenia. *IET systems biology*, 20(1), e70052.

Daniel MM, et al. (2026) Integrative Bioinformatics Reveals Novel Molecular Mechanisms and Therapeutic Targets in Acute Myeloid Leukaemia. *Journal of cellular and molecular medicine*, 30(1), e71007.

Yin J, et al. (2026) Development of a single-cell derived MDSCs signature score for prognostic risk stratification and therapeutic decision guidance in breast cancer. *Translational oncology*, 63, 102605.

Müller J, et al. (2026) A cell type enrichment analysis tool for brain DNA methylation data (CEAM). *Epigenetics*, 21(1), 2604360.

Rao Z, et al. (2026) A Novel Longitudinal Proteomic Aging Index Predicts Mortality, Multimorbidity, and Frailty in Older Adults. *Aging cell*, 25(1), e70317.

Wei J, et al. (2026) FOS and JUN regulate oxidative stress and steroidogenesis in human aldosterone-producing adenomas. *Redox biology*, 89, 103982.

Li YR, et al. (2025) Long-Term Latency of Highly Mutated Cells in Normal Mouse Skin Is Reversed by Exposure to Tumor Promoters and Chronic Tissue Damage. *Cancer discovery*, 15(6), 1115.

Ma H, et al. (2025) Spatially Resolved Tumor Ecosystems and Cell States in Gastric Adenocarcinoma Progression and Evolution. *Cancer discovery*, 15(4), 767.

WierbiŃowicz K, et al. (2025) Parp7 generates an ADP-ribosyl degron that controls negative feedback of androgen signaling. *The EMBO journal*, 44(17), 4720.

Umeda M, et al. (2025) Fusion oncoproteins and cooperating mutations define disease phenotypes in NUP98-rearranged leukemia. *medRxiv : the preprint server for health*

sciences.

Wang L, et al. (2025) Predicting Pancreatic Ductal Adenocarcinoma Occurrence Up to 10 Years in Advance Using Features of the Main Pancreatic Duct in Pre-Diagnostic CT Scans. *Cancers*, 17(11).

Giles BM, et al. (2025) Utilizing Serum-Derived Lipidomics with Protein Biomarkers and Machine Learning for Early Detection of Ovarian Cancer in the Symptomatic Population. *Cancer research communications*, 5(9), 1516.

Mal A, et al. (2025) HIF-2-Dependent Regulation of PTHrP and Paraneoplastic Hypercalcemia in Aggressive Clear-Cell Renal Cell Carcinoma. *Cancer discovery*, 15(12), 2485.

Tremblay C, et al. (2025) Altered network efficiency in isolated REM sleep behavior disorder: A multicentric study. *Alzheimer's & dementia : the journal of the Alzheimer's Association*, 21(8), e70574.

Morad H, et al. (2025) Taste dysfunction in Long COVID. *bioRxiv : the preprint server for biology*.