

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: 20260815T182417+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 3983 mentions in open access literature.

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

Simmons SK, et al. (2026) Experimental and computational methods for allelic imbalance analysis from single-nucleus RNA-seq data. *Genome biology*, 27(1).

Ding C, et al. (2026) Glioblastoma-Secreted C1QL1 Orchestrates Tumor Microtube Expansion and Neural Synaptic Pruning to Drive Malignant Synapse Formation and Recurrence. *Cancer discovery*, 16(6), 1176.

Zhao W, et al. (2026) A Prognostic Signature for Lung Adenocarcinoma in Patients Who Have Never Smoked. *Cancer discovery*, 16(3), 460.

Huang KK, et al. (2026) Mutational Signatures and Clonal Hematopoiesis in Intestinal Metaplasia across Countries with Varying Stomach Cancer Incidence. *Cancer discovery*, 16(3), 497.

Suresh V, et al. (2026) Modelling EWS::FLI1 protein fluctuations reveal determinants of tumor plasticity in Ewing sarcoma. *EMBO molecular medicine*, 18(2), 646.

Deconinck T, et al. (2026) Comparative evaluation of oncolytic viruses reveals opposing preferences for glioblastoma subtypes. *Molecular therapy. Oncology*, 34(3), 201263.

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

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.

Zhang Y, et al. (2026) Integrative Machine Learning and Experimental Validation Identify FIS1 as a Candidate Biomarker Linked to Mitochondrial Dynamics in Pulmonary Hypertension. *Cells*, 15(3).

Raschdorf A, et al. (2026) Colonic spatial single-cell proteomics and murine models link mitochondrial dysfunction to dimeric IgA-secreting plasma cell deficiency in Crohn's disease. *Nature communications*, 17(1), 1590.

Zhu Z, et al. (2026) Identification of A p300-SP1-BRD4 Transcriptional Axis as a Key Driver of AR Hyperactivation in Polycystic Ovarian Syndrome. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(23), e18185.

Feng X, et al. (2026) Distinct thalamic functional connectivity and volume patterns across focal epilepsies in children: A multimodal neuroimaging study. *Epilepsia*, 67(5), 2358.

Li W, et al. (2026) CCT7 predicts poor prognosis and correlates with immune infiltration in colonic adenocarcinoma. *Journal of molecular histology*, 57(1), 64.

Wang W, et al. (2026) Integrative transcriptomic and machine learning framework reveals candidate genes and potential mechanisms of aflatoxin B1 exposure in breast cancer. *Scientific reports*, 16(1).

Chen Y, et al. (2026) Integrative bioinformatics identifies NSCLC biomarkers associated with LPS metabolism and circadian disruption. *Translational oncology*, 66, 102699.

Jain PN, et al. (2026) Epigenetic age acceleration in young adults with congenital heart disease. *Clinical epigenetics*, 18(1).

Guo J, et al. (2026) Multi-omics analysis of key lipid metabolism-related genes involved in the anti-hepatocellular carcinoma effect of dihydroartemisinin. *Discover oncology*, 17(1), 237.

Sun L, et al. (2026) The role of cellular senescence-related genes in ischemia-reperfusion injury and the identification of their biomarkers. *Scientific reports*, 16(1), 5211.

Donovan J, et al. (2026) Genotype-stratified adjunctive dexamethasone for tuberculous meningitis in HIV-negative adults: a randomized controlled phase 3 trial. *Nature medicine*, 32(3), 849.

Dai H, et al. (2026) Integrating machine learning and multi-omics analysis to explore Treg-associated programmed cell death features in clear cell renal cell carcinoma. *Cancer cell international*, 26(1), 15.