# Resource Summary Report

Generated by Kravitz on Sep 10, 2026

## 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:** 20260905T132651+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 Kravitz .


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.