

Resource Summary Report

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Bioconductor

RRID:SCR_006442

Type: Tool

Proper Citation

Bioconductor (RRID:SCR_006442)

Resource Information

URL: <http://www.bioconductor.org/>

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Description: Software repository for R packages related to analysis and comprehension of high throughput genomic data. Uses separate set of commands for installation of packages. Software project based on R programming language that provides tools for analysis and comprehension of high throughput genomic data.

Resource Type: software repository, software resource, software toolkit

Defining Citation: [PMID:15461798](#)

Keywords: catalog, analysis, genomic, metadata, comprehension, statistical, data

Funding: Catt Family Foundation ;
Dana Farber Cancer Institute ;
NHGRI R33 HG002708

Availability: Free, Freely available

Resource Name: Bioconductor

Resource ID: SCR_006442

Alternate IDs: OMICS_01759, nif-0000-10445

Record Creation Time: 20220129T080236+0000

Record Last Update: 20260731T042724+0000

Ratings and Alerts

No rating or validation information has been found for Bioconductor.

No alerts have been found for Bioconductor.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 22974 mentions in open access literature.

Listed below are recent publications. The full list is available at [kravitz2](#) .

Dunn LN, et al. (2026) Altered hepatic metabolism in Down syndrome. *Cell reports*, 45(1), 116835.

Kinoshita S, et al. (2026) Astrocytic Igfbp2 Promotes Spontaneous Seizures in a Mouse Model of Mesial Temporal Lobe Epilepsy. *Glia*, 74(1), e70099.

Bultinck J, et al. (2026) NLRP3 inhibition by VTX3232 tempers inflammation resulting in reduced body weight, hyperglycemia, and hepatic steatosis in obese male mice. *Molecular metabolism*, 103, 102282.

Poudel S, et al. (2026) Age-related changes in the transcriptomic profile associated with ovarian small white follicle recruitment in commercial laying hens. *Poultry science*, 105(1), 106057.

Sinke L, et al. (2026) DNA methylation of genes involved in lipid metabolism drives adiponectin levels and metabolic disease. *Diabetologia*, 69(1), 127.

Pan T, et al. (2026) MEN1 Promotes Ferroptosis by Disrupting CD44 Alternative Splicing to Suppress Lung Cancer. *Cancer research*, 86(1), 146.

Zarodniuk M, et al. (2026) Mechanical compression induces neuronal apoptosis, reduces synaptic activity, and promotes glial neuroinflammation in mice and humans. *Proceedings of the National Academy of Sciences of the United States of America*, 123(1), e2513172122.

Srivastava N, et al. (2026) A microenvironment-driven HLA-II-associated insulin neoantigen elicits persistent memory T cell activation in diabetes. *Nature immunology*, 27(1), 82.

Wang Y, et al. (2026) Astragaloside IV promotes the apoptosis of pancreatic cancer cells by activating endoplasmic reticulum stress through the PERK/ATF4/CHOP signaling pathway. *Molecular medicine reports*, 33(1).

Shi C, et al. (2026) Enhancer Rewiring Orchestrates Inflammation and Loss of Cell Identity During Muscle Stem Cell Aging. *Aging cell*, 25(1), e70289.

Li H, et al. (2026) Novel NOTCH2-NTRK1 fusion confers osimertinib resistance in EGFR-mutant non-small cell lung cancer by interacting with EGFR. *Translational oncology*, 63, 102577.

DiSanza BL, et al. (2026) Bi-allelic variants in BCAT1 impair mitochondrial function and are associated with a candidate neurometabolic disorder. *HGG advances*, 7(1), 100525.

Solomon DD, et al. (2026) Comprehensive characterization of AP-1 adaptor complex genes in lung cancer reveals AP1AR as a novel prognostic and therapeutic biomarker. *Journal of Cancer*, 17(1), 142.

Park J, et al. (2026) A robust pleiotropy method with applications to lipid traits and to inflammatory bowel disease subtypes with sample overlap. *HGG advances*, 7(1), 100501.

Goala P, et al. (2026) IFN- γ -driven skewing towards Th1 over Th17 differentiation underlies CRS and neutropenia in CAR-T therapy. *The Journal of clinical investigation*, 136(1).

Huang X, et al. (2026) Contribution of ferroptosis and SLC7A11 to light-induced photoreceptor degeneration. *Neural regeneration research*, 21(1), 406.

Bonnet J, et al. (2026) Histone modification cross-talk and protein complex diversification confer plasticity to Polycomb repression. *Genes & development*, 40(1-2), 43.

Lobo J, et al. (2026) Low-grade glial neoplasms of germ cell origin may represent maturation of embryonic-type neuroectodermal elements. *Histopathology*, 88(2), 503.

Li J, et al. (2026) tRNA m1A modification is essential for gut homeostasis and function of group 3 innate lymphoid cells. *Cell discovery*, 12(1), 1.

Hua X, et al. (2026) Engineered T cell therapy for the treatment of cardiac fibrosis during chronic phase of myocarditis. *Theranostics*, 16(4), 2037.