

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: 20260912T200236+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 24163 mentions in open access literature.

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

Wehle DT, et al. (2026) Dissociation of the mTOR Protein Interaction Network Following Neuronal Activation Is Altered by Shank3 Mutation. *Journal of neurochemistry*, 170(1), e70353.

Ho Han J, et al. (2026) Plasma extracellular vesicle sampling from glioblastoma demonstrates a small RNA signature indicative of disease and identifies lncRNA RPPH1 as a biomarker. *Neuro-oncology advances*, 8(1), vda273.

Houl JH, et al. (2026) Role of the ETV5/p38 Signaling Axis in Aggressive Thyroid Cancer Cells. *Molecular cancer therapeutics*, 25(5), 844.

Gadad SS, et al. (2026) X-linked cancer-associated polypeptide (XCP) from lncRNA1456 modulates PHF8 histone demethylase activity to regulate the epigenome, gene expression, and cellular pathways in breast cancer. *Oncogene*, 45(17), 1557.

Ahsan FM, et al. (2026) Reductive death is averted by a conserved de novo lipogenic switch. *Molecular cell*, 86(13), 2539.

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

Luo L, et al. (2026) CDK2 inhibitor BLU-222 synergizes with CDK4/6 inhibitors in drug resistant breast cancers through p21/p27 induction. *Nature communications*, 17(1), 619.

Fidaleo AM, et al. (2026) LRRC8A-containing anion channels promote glioblastoma proliferation via a WNK1/mTORC2-dependent mechanism. *The Journal of physiology*, 604(5), 1995.

Martin K, et al. (2026) Perinatal infection elicits clonally restricted T follicular helper cell responses that drive antibody-mediated viral control. *Immunity*, 59(5), 1363.

Brown JR, et al. (2026) Prednisolone modulates CD8⁺ and regulatory T-cell activity to dampen response to immune checkpoint inhibitor therapy in melanoma. *Oncoimmunology*, 15(1), 2643494.

Korns J, et al. (2026) Targeting PLK1 Reduces MMP10 to Enhance Radiosensitivity in HPV- Head and Neck Cancer. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 32(2), 405.

Delfini M, et al. (2026) JUN Specifies the Local Differentiation and Maintenance of Pro-tumoral Monocyte-Derived Macrophages. *Cancer research*.

Babcock IW, et al. (2026) Enhancing the specificity of microglia genetic targeting using a CSF1R inhibitor. *Cell reports*, 45(6), 117411.

Aggrey-Fynn JE, et al. (2026) Epigenetic context defines the transcriptional activity of canonical and noncanonical NF- κ B signaling in pancreatic cancer. *Cell death discovery*, 12(1).

Oakley RH, et al. (2026) Glucocorticoid Receptor Translational Isoforms Generate Unique Glucocorticoid Responses in the Mouse Brain. *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*, 40(12), e72040.

Martín A, et al. (2026) Targeted KRASG12V Degradation in vivo Elicits Lung Adenocarcinoma Regression with Subsequent Relapse from Dysregulated Proteolysis. *Cancer research*.

Dolci S, et al. (2026) Tumor-associated macrophages enhance peripheral nerve tumor infiltration and spinal cord repair. *Immunity*, 59(2), 438.

M Naeini M, et al. (2026) Convergent genomic and molecular features predict risk of metachronous metastasis in clear cell renal cell carcinoma. *Communications medicine*, 6(1).

Chung C, et al. (2026) Ancestrally Diverse Autologous Patient-Derived Organoid-Immune Cell Coculture Platform for Addressing Immunotherapeutic Outcome Disparities in High-Grade Endometrial Cancer. *Cancer research communications*, 6(3), 657.

Li JT, et al. (2026) FMRP regulates neuronal RNA granules containing stalled ribosomes, not where ribosomes stall. *eLife*, 14.