Resource Summary Report

Generated by dkNET on Apr 24, 2025

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 toolkit, software resource, software repository

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: 20250424T064826+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 21266 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Ramponi V, et al. (2025) H4K20me3-Mediated Repression of Inflammatory Genes Is a Characteristic and Targetable Vulnerability of Persister Cancer Cells. Cancer research, 85(1), 32.

Arbogast F, et al. (2025) Epidermal maintenance of Langerhans cells relies on autophagy-regulated lipid metabolism. The Journal of cell biology, 224(2).

Siems SB, et al. (2025) Developmental maturation and regional heterogeneity but no sexual dimorphism of the murine CNS myelin proteome. Glia, 73(1), 38.

Gaikwad KB, et al. (2025) Computational approaches for identifications of altered ion channels in keratoconus. Eye (London, England), 39(1), 145.

Sivan P, et al. (2025) Modification of xylan in secondary walls alters cell wall biosynthesis and wood formation programs and improves saccharification. Plant biotechnology journal, 23(1), 174.

Meng X, et al. (2025) Metabolic rewiring controlled by HIF-1? tunes IgA-producing B-cell differentiation and intestinal inflammation. Cellular & molecular immunology, 22(1), 54.

Zeng C, et al. (2025) Autophagy mediated by ROS-AKT-FoxO pathway is required for intestinal regeneration in echinoderms. Cell communication and signaling: CCS, 23(1), 8.

Hong XL, et al. (2025) Positive feedback between arginine methylation of YAP and methionine transporter SLC43A2 drives anticancer drug resistance. Nature communications, 16(1), 87.

Thibaut MM, et al. (2025) The microbiota-derived bile acid taurodeoxycholic acid improves hepatic cholesterol levels in mice with cancer cachexia. Gut microbes, 17(1), 2449586.

Ziegler DV, et al. (2025) CDK4 inactivation inhibits apoptosis via mitochondria-ER contact

remodeling in triple-negative breast cancer. Nature communications, 16(1), 541.

Salazar-Alemán DA, et al. (2025) Escherichia coli growing under antimicrobial gallium nitrate stress reveals new processes of tolerance and toxicity. Scientific reports, 15(1), 1389.

Gómez-Delgado I, et al. (2025) Long-term mitochondrial and metabolic impairment in lymphocytes of subjects who recovered after severe COVID-19. Cell biology and toxicology, 41(1), 27.

King SE, et al. (2025) Prenatal maternal stress in rats alters the epigenetic and transcriptomic landscape of the maternal-fetal interface across four generations. Communications biology, 8(1), 38.

Diotallevi F, et al. (2025) Circulating MicroRNAs in Patients with Psoriasis Treated with Anti-IL-23: A Cohort Study. Dermatology and therapy, 15(1), 125.

Ressler JM, et al. (2025) Efficacy and tolerability of neoadjuvant therapy with Talimogene laherparepvec in cutaneous basal cell carcinoma: a phase II trial (NeoBCC trial). Nature cancer, 6(1), 51.

Wei K, et al. (2025) TRIM28 is an essential regulator of three-dimensional chromatin state underpinning CD8+ T cell activation. Nature communications, 16(1), 750.

Cencioni C, et al. (2025) The GLP-1R agonist semaglutide reshapes pancreatic cancer associated fibroblasts reducing collagen proline hydroxylation and favoring T lymphocyte infiltration. Journal of experimental & clinical cancer research: CR, 44(1), 18.

Lim H, et al. (2025) DNA Methylation Profile in Buffy Coat Identifies Methylation Differences Between Cirrhosis with and Without Hepatocellular Carcinoma. Cancers, 17(2).

Moroni F, et al. (2025) Beyond Microbial Variability: Disclosing the Functional Redundancy of the Core Gut Microbiota of Farmed Gilthead Sea Bream from a Bayesian Network Perspective. Microorganisms, 13(1).

Izaguirre G, et al. (2025) Dysregulation of FURIN and Other Proprotein Convertase Genes in the Progression from HPV Infection to Cancer. International journal of molecular sciences, 26(2).