

Resource Summary Report

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BioConda

RRID:SCR_018316

Type: Tool

Proper Citation

BioConda (RRID:SCR_018316)

Resource Information

URL: <https://bioconda.github.io/>

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Description: Software distribution management for life sciences. Channel for Conda package manager specializing in bioinformatics software. Consists of repository of recipes hosted on GitHub, build system turning these recipes into conda packages, repository of packages containing bioinformatics packages ready to use with conda install.

Synonyms: Bioconda

Resource Type: software resource, software application

Defining Citation: [PMID:29967506](#)

Keywords: Software distribution management, bioinformatic software, package repository, GitHub, conda, bio.tools

Funding: Intramural Program of the National Institute of Diabetes and Digestive and Kidney Diseases ;
Netherlands Organisation for Scientific Research ;
German Research Foundation ;
NYU Abu Dhabi Research Institute

Availability: Free, Available for download, Freely available

Resource Name: BioConda

Resource ID: SCR_018316

Alternate IDs: biotools:bioconda

Alternate URLs: <https://bio.tools/bioconda>

Record Creation Time: 20220129T080339+0000

Record Last Update: 20260801T191110+0000

Ratings and Alerts

No rating or validation information has been found for BioConda.

No alerts have been found for BioConda.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 66 mentions in open access literature.

Listed below are recent publications. The full list is available at [T1D](#) .

Danner C, et al. (2025) Act1 out of Action: Identifying Reliable Reference Genes in *Trichoderma reesei* for Gene Expression Analysis. *Journal of fungi* (Basel, Switzerland), 11(5).

Blatnik AJ, et al. (2025) Sm-site containing mRNAs can accept Sm-rings and are downregulated in Spinal Muscular Atrophy. *Nucleic acids research*, 53(15).

Rojas WY, et al. (2025) Galaxy QCxMS for straightforward semi-empirical quantum mechanical EI-MS prediction. *GigaByte* (Hong Kong, China), 2025, gigabyte160.

Platt RN, et al. (2025) Efficient amplicon panels for evaluating hybridization and genetic structure in the *Schistosoma haematobium* species group. *bioRxiv : the preprint server for biology*.

Freedman AH, et al. (2025) Building better genome annotations across the tree of life. *Genome research*, 35(5), 1261.

Schwarz EM, et al. (2025) Genomes of the entomopathogenic nematode *Steinernema hermaphroditum* and its associated bacteria. *Genetics*, 231(3).

Arnadottir AT, et al. (2025) Results from the IceGut study: tracking the gut microbiome development from mothers and infants up to five years of age. *mSphere*, 10(12), e0074525.

Auchtung TA, et al. (2025) Evaluating Effects of Antibiotics Across Preclinical Models of the Human Gastrointestinal Microbiota. *MicrobiologyOpen*, 14(4), e70030.

Bökenkamp JE, et al. (2025) Proteogenomic analysis reveals adaptive strategies for alleviating the consequences of aneuploidy in cancer. *The EMBO journal*, 44(6), 1829.

Link JM, et al. (2025) Ongoing replication stress tolerance and clonal T cell responses distinguish liver and lung recurrence and outcomes in pancreatic cancer. *Nature cancer*, 6(1), 123.

Maaskant A, et al. (2025) AI for rapid identification of major butyrate-producing bacteria in rhesus macaques (*Macaca mulatta*). *Animal microbiome*, 7(1), 39.

Schraven AL, et al. (2025) Boost or Bust? The Impact of Supplementation on Functional Genetic Diversity and Selective Processes in Tasmanian Devils. *Molecular ecology*, 34(24), e70188.

Bayarri G, et al. (2024) Using interactive Jupyter Notebooks and BioConda for FAIR and reproducible biomolecular simulation workflows. *PLoS computational biology*, 20(6), e1012173.

Dai C, et al. (2024) quantms: a cloud-based pipeline for quantitative proteomics enables the reanalysis of public proteomics data. *Nature methods*, 21(9), 1603.

Roots CT, et al. (2024) CryptKeeper: a negative design tool for reducing unintentional gene expression in bacteria. *Synthetic biology (Oxford, England)*, 9(1), ysae018.

Lazovic B, et al. (2024) Human iPSC and CRISPR targeted gene knock-in strategy for studying the somatic TIE2L914F mutation in endothelial cells. *Angiogenesis*, 27(3), 523.

Martín Del Pico E, et al. (2024) FAIRsoft-a practical implementation of FAIR principles for research software. *Bioinformatics (Oxford, England)*, 40(8).

Knudsen-Clark AM, et al. (2024) Circadian rhythms of macrophages are altered by the acidic tumor microenvironment. *EMBO reports*, 25(11), 5080.

Uhrbom M, et al. (2024) Adipose stem cells are sexually dimorphic cells with dual roles as preadipocytes and resident fibroblasts. *Nature communications*, 15(1), 7643.

Baker T, et al. (2024) Type I interferon blockade with anifrolumab in patients with systemic lupus erythematosus modulates key immunopathological pathways in a gene expression and proteomic analysis of two phase 3 trials. *Annals of the rheumatic diseases*, 83(8), 1018.