

Resource Summary Report

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bcbio-nextgen

RRID:SCR_004316

Type: Tool

Proper Citation

bcbio-nextgen (RRID:SCR_004316)

Resource Information

URL: <https://bcbio-nextgen.readthedocs.org/en/latest/>

Proper Citation: bcbio-nextgen (RRID:SCR_004316)

Description: A python toolkit providing best-practice pipelines for fully automated high throughput sequencing analysis.

Abbreviations: bcbio-nextgen

Resource Type: software resource

Keywords: mapreduce/hadoop, bio.tools

Funding:

Availability: Free, Available for download, Freely available

Resource Name: bcbio-nextgen

Resource ID: SCR_004316

Alternate IDs: biotools:bcbio-nextgen, OMICS_01121, BioTools:bcbio-nextgen

Alternate URLs: <https://github.com/chapmanb/bcbb/blob/master/nextgen/README.md>,
<https://bio.tools/bcbio-nextgen>, <https://bio.tools/bcbio-nextgen>

Record Creation Time: 20220129T080223+0000

Record Last Update: 20250519T203324+0000

Ratings and Alerts

No rating or validation information has been found for bcbio-nextgen.

No alerts have been found for bcbio-nextgen.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 138 mentions in open access literature.

Listed below are recent publications. The full list is available at [FDI Lab - SciCrunch.org](#).

Takahama M, et al. (2024) A pairwise cytokine code explains the organism-wide response to sepsis. *Nature immunology*, 25(2), 226.

Hariprakash JM, et al. (2024) Leveraging Tissue-Specific Enhancer-Target Gene Regulatory Networks Identifies Enhancer Somatic Mutations That Functionally Impact Lung Cancer. *Cancer research*, 84(1), 133.

Guo YA, et al. (2024) Transcriptome Deconvolution Reveals Absence of Cancer Cell Expression Signature in Immune Checkpoint Blockade Response. *Cancer research communications*, 4(6), 1581.

Karwacki-Neisius V, et al. (2024) WNT signalling control by KDM5C during development affects cognition. *Nature*, 627(8004), 594.

Razavi-Mohseni M, et al. (2024) Machine learning identifies activation of RUNX/AP-1 as drivers of mesenchymal and fibrotic regulatory programs in gastric cancer. *Genome research*, 34(5), 680.

Hong I, et al. (2024) Calcium-permeable AMPA receptors govern PV neuron feature selectivity. *Nature*, 635(8038), 398.

Sahm A, et al. (2024) Hydra has mammal-like mutation rates facilitating fast adaptation despite its nonaging phenotype. *Genome research*, 34(12), 2217.

Ryu JY, et al. (2024) MiRNA expression profiling reveals a potential role of microRNA-148b-3p in cerebral vasospasm in subarachnoid hemorrhage. *Scientific reports*, 14(1), 22539.

Salgkamis D, et al. (2024) Systematic review and feasibility study on pre-analytical factors and genomic analyses on archival formalin-fixed paraffin-embedded breast cancer tissue. *Scientific reports*, 14(1), 18275.

Hartmann J, et al. (2024) SKA2 regulated hyperactive secretory autophagy drives neuroinflammation-induced neurodegeneration. *Nature communications*, 15(1), 2635.

Faure-Dupuy S, et al. (2024) ARL5b inhibits human rhinovirus 16 propagation and impairs macrophage-mediated bacterial clearance. *EMBO reports*, 25(3), 1156.

Henderson AL, et al. (2024) Exposure to benzyl butyl phthalate (BBP) leads to increased double-strand break formation and germline dysfunction in *Caenorhabditis elegans*. *PLoS genetics*, 20(10), e1011434.

Doulamis IP, et al. (2024) Mitochondrial transplantation normalizes transcriptomic and proteomic shift associated with ischemia reperfusion injury in neonatal hearts donated after circulatory death. *Scientific reports*, 14(1), 31236.

Wrench CL, et al. (2024) Small airway fibroblasts from patients with chronic obstructive pulmonary disease exhibit cellular senescence. *American journal of physiology. Lung cellular and molecular physiology*, 326(3), L266.

Shin N, et al. (2024) Altered gene expression linked to germline dysfunction following exposure to DEET. *iScience*, 27(1), 108699.

Herencia-Ropero A, et al. (2024) The PARP1 selective inhibitor saruparib (AZD5305) elicits potent and durable antitumor activity in patient-derived BRCA1/2-associated cancer models. *Genome medicine*, 16(1), 107.

Malatesta P, et al. (2024) Differential Gene Expression in Human Fibroblasts Simultaneously Exposed to Ionizing Radiation and Simulated Microgravity. *Biomolecules*, 14(1).

Borowsky A, et al. (2024) Tumor microenvironmental determinants of high-risk DCIS progression. *Research square*.

Xie M, et al. (2024) Molecular classification and biomarkers of outcome with immunotherapy in extensive-stage small-cell lung cancer: analyses of the CASPIAN phase 3 study. *Molecular cancer*, 23(1), 115.

Jin Y, et al. (2024) Effect of Dietary Cholesterol, Phytosterol, and Docosahexaenoic Acid on Astaxanthin Absorption and Retention in Rainbow Trout. *Aquaculture nutrition*, 2024, 8265746.