

Resource Summary Report

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[bcl2fastq](#)

RRID:SCR_015058

Type: Tool

Proper Citation

bcl2fastq (RRID:SCR_015058)

Resource Information

URL: https://support.illumina.com/sequencing/sequencing_software/bcl2fastq-conversion-software.html

Proper Citation: bcl2fastq (RRID:SCR_015058)

Description: Conversion software that both demultiplexes data and converts BCL files generated by Illumina sequencing systems to standard FASTQ file formats for downstream analysis.

Synonyms: bcl2fastq2, bcl2fastq2 Conversion Software v2.20

Resource Type: software processing resource

Keywords: bcl file, illumina, sequencing, fastq, conversion software

Funding:

Availability: Free, Available for download

Resource Name: bcl2fastq

Resource ID: SCR_015058

Alternate URLs: <http://emea.support.illumina.com/downloads/bcl2fastq-conversion-software-v2-20.html>

Record Creation Time: 20220129T080323+0000

Record Last Update: 20250410T070552+0000

Ratings and Alerts

No rating or validation information has been found for bcl2fastq .

No alerts have been found for bcl2fastq .

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 3146 mentions in open access literature.

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

Wright SS, et al. (2025) Transplantation of gasdermin pores by extracellular vesicles propagates pyroptosis to bystander cells. *Cell*, 188(2), 280.

Albuquerque-Wendt A, et al. (2025) TransLeish: Identification of membrane transporters essential for survival of intracellular Leishmania parasites in a systematic gene deletion screen. *Nature communications*, 16(1), 299.

DeGolier KR, et al. (2025) Antigen experience history directs distinct functional states of CD8+ CAR T cells during the antileukemia response. *Nature immunology*, 26(1), 68.

Watson BR, et al. (2025) Spatial transcriptomics of healthy and fibrotic human liver at single-cell resolution. *Nature communications*, 16(1), 319.

Wang L, et al. (2025) The molecular mechanism of gemcitabine in inhibiting the HIF-1 α /VEGFB/FGF2/FGFR1 signaling pathway for ovarian cancer treatment. *Discover oncology*, 16(1), 3.

Wang G, et al. (2025) Comparative genomic analysis unveiling the mutational landscape associated with premalignant lesions and early-stage gastric cardia cancer. *Medicine*, 104(2), e40332.

Biel N, et al. (2025) Reducing Cofilin dosage makes embryos resilient to heat stress. *bioRxiv* : the preprint server for biology.

Dang R, et al. (2025) Neuroligin-3 R451C induces gain-of-function gene expression in astroglia in an astroglia-enriched brain organoid model. *Cell regeneration (London, England)*, 14(1), 1.

McCallister TX, et al. (2025) A high-fidelity CRISPR-Cas13 system improves abnormalities associated with C9ORF72-linked ALS/FTD. *Nature communications*, 16(1), 460.

Richter A, et al. (2025) The master male sex determinant Gdf6Y of the turquoise killifish arose through allelic neofunctionalization. *Nature communications*, 16(1), 540.

Zhao YJ, et al. (2025) An endogenous aryl hydrocarbon receptor ligand induces preeclampsia-like phenotypes in rats. *The Journal of physiology*, 603(2), 579.

Petrone BL, et al. (2025) A pilot study of metaproteomics and DNA metabarcoding as tools to assess dietary intake in humans. *Food & function*, 16(1), 282.

Yanushko D, et al. (2025) p53-loss induced prostatic epithelial cell plasticity and invasion is driven by a crosstalk with the tumor microenvironment. *Cell death & disease*, 16(1), 46.

Perry CH, et al. (2025) TEAD switches interacting partners along neural progenitor lineage progression to execute distinct functions. *bioRxiv : the preprint server for biology*.

Wang M, et al. (2025) Fecal Microbiome and Metabolomic Profiles of Mixed-Fed Infants Are More Similar to Formula-Fed than Breastfed Infants. *Microorganisms*, 13(1).

Grueso-Navarro E, et al. (2025) MicroRNAs in Plasma-Derived Extracellular Vesicles as Non-Invasive Biomarkers for Eosinophilic Esophagitis. *International journal of molecular sciences*, 26(2).

Han H, et al. (2025) Exome sequencing of 18,994 ethnically diverse patients with suspected rare Mendelian disorders. *NPJ genomic medicine*, 10(1), 6.

Jakobsen MK, et al. (2025) Stochastic demethylation and redundant epigenetic suppressive mechanisms generate highly heterogeneous responses to pharmacological DNA methyltransferase inhibition. *Journal of experimental & clinical cancer research : CR*, 44(1), 21.

Youhanna S, et al. (2025) Chemogenomic Screening in a Patient-Derived 3D Fatty Liver Disease Model Reveals the CHRM1-TRPM8 Axis as a Novel Module for Targeted Intervention. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(3), e2407572.

Ranard KM, et al. (2025) Creation of a novel zebrafish model with low DHA status to study the role of maternal nutrition during neurodevelopment. *Journal of lipid research*, 66(1), 100716.