

Resource Summary Report

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Cell Ranger

RRID:SCR_017344

Type: Tool

Proper Citation

Cell Ranger (RRID:SCR_017344)

Resource Information

URL: <https://support.10xgenomics.com/single-cell-gene-expression/software/pipelines/latest/what-is-cell-ranger>

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Description: Software tool as set of analysis pipelines that process chromium single cell RNA-seq output to align reads, generate feature-barcode matrices and perform clustering and gene expression analysis by 10xGenomics.

Resource Type: software resource, data processing software, software application, data analysis software

Keywords: Analysis, process, chromium, singe, cell, RNA-seq, align, read, barcode, matrice, clustering, gene, expression, 10xGenomics

Availability: Restricted

Resource Name: Cell Ranger

Resource ID: SCR_017344

Record Creation Time: 20220129T080334+0000

Record Last Update: 20260806T054653+0000

Ratings and Alerts

No rating or validation information has been found for Cell Ranger .

No alerts have been found for Cell Ranger .

Data and Source Information

Usage and Citation Metrics

We found 611 mentions in open access literature.

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

Lee D, et al. (2026) Microglial VRK2 Regulates Astrocytic GABA Synthesis and Tonic Inhibition in the Thalamus. *Glia*, 74(1), e70101.

Goala P, et al. (2026) IFN- γ -driven skewing towards Th1 over Th17 differentiation underlies CRS and neutropenia in CAR-T therapy. *The Journal of clinical investigation*, 136(1).

Domingo J, et al. (2026) Nonlinear transcriptional responses to gradual modulation of transcription factor dosage. *eLife*, 13.

Hill RZ, et al. (2026) Renal PIEZO2 is an essential regulator of renin. *Cell*, 189(1), 161.

Song G, et al. (2026) Excessive Kynurenine Metabolism Impairs Lysosomal acidification and Triggers mtDNA Release via the AHR/CISH/ATP6V1A Axis in Decidual Macrophages Associated with Unexplained Recurrent Pregnancy Loss. *International journal of biological sciences*, 22(2), 895.

Xu Y, et al. (2026) From degraded to deciphered: Applying ATAC-seq to forensic molecular diagnosis under degradation conditions. *Forensic science international*, 379, 112789.

Zeng W, et al. (2025) Ferroptotic Neutrophils Induce Immunosuppression and Chemoresistance in Breast Cancer. *Cancer research*, 85(3), 477.

Holden JM, et al. (2025) Chronic hyperglycemia alters retinal astrocyte microstructure and uptake of cholera toxin B in a murine model of diabetes. *Journal of neurochemistry*, 169(1), e16237.

Tadross JA, et al. (2025) A comprehensive spatio-cellular map of the human hypothalamus. *Nature*, 639(8055), 708.

Li Y, et al. (2025) Single-Cell Transcriptomic Landscape Deciphers Intratumoral Heterogeneity and Subtypes of Acral and Mucosal Melanomas. *Clinical cancer research : an official journal of the American Association for Cancer Research*, 31(12), 2495.

Zhen Q, et al. (2025) Erucic Acid, Derived by *Lactobacillus Crispatus*, Induces Ferroptosis in Cervical Cancer Organoids Through the PPAR- γ Signaling Pathway. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(48), e12599.

Muralidharan C, et al. (2025) Human Brain Cell-Type-Specific Aging Clocks Based on Single-Nuclei Transcriptomics. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 12(43), e06109.

Tan D, et al. (2025) A novel mouse model for LAMA2-related muscular dystrophy with analysis of molecular pathogenesis and clinical phenotype. *eLife*, 13.

Ma T, et al. (2025) Pan-Cancer Analyses Refine the Single-Cell Portrait of Tumor-Infiltrating Dendritic Cells. *Cancer research*, 85(19), 3596.

Katoku-Kikyo N, et al. (2025) METTL14 regulates chondrogenesis through the GDF5-RUNX-extracellular matrix gene axis during limb development. *Nature communications*, 16(1), 4072.

Hennion N, et al. (2025) Identification of early genes in the pathophysiology of fibrotic interstitial lung disease in a new model of pulmonary fibrosis. *Cellular and molecular life sciences : CMLS*, 82(1), 115.

Oliveira EA, et al. (2025) Epigenetic Heritability of Cell Plasticity Drives Cancer Drug Resistance through a One-to-Many Genotype-to-Phenotype Paradigm. *Cancer research*, 85(15), 2921.

Michmerhuizen NL, et al. (2025) KAT6A and KAT7 Histone Acetyltransferase Complexes Are Molecular Dependencies and Therapeutic Targets in NUP98-Rearranged Acute Myeloid Leukemia. *Cancer discovery*, 15(10), 2096.

Shi Y, et al. (2025) Mechanisms of tumor persistence in metastatic melanoma following successful immunotherapy. *bioRxiv : the preprint server for biology*.

Matern MS, et al. (2025) A developmental atlas of mouse vestibular-like inner ear organoids. *iScience*, 28(2), 111817.