## **Resource Summary Report**

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# **Cell Ranger ATAC**

RRID:SCR\_021160

Type: Tool

## **Proper Citation**

Cell Ranger ATAC (RRID:SCR\_021160)

#### **Resource Information**

**URL:** <a href="https://support.10xgenomics.com/single-cell-atac/software/pipelines/latest/what-is-cell-ranger-atac">https://support.10xgenomics.com/single-cell-atac/software/pipelines/latest/what-is-cell-ranger-atac</a>

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**Description:** Software tool as set of analysis pipelines that process Chromium Single Cell ATAC data. Cell Ranger ATAC includes four pipelines relevant to single cell chromatin accessibility experiments. Used to investigate number of chromatin-accessibility signatures.

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

**Keywords:** Process Chromium Single Cell ATAC data, single cell chromatin, chromatin accessibility signatures

Availability: Free, Available for download, Freely available

Resource Name: Cell Ranger ATAC

Resource ID: SCR\_021160

## Ratings and Alerts

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

No alerts have been found for Cell Ranger ATAC.

### **Data and Source Information**

Source: SciCrunch Registry

## **Usage and Citation Metrics**

We found 17 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Kim JH, et al. (2023) Integrative analysis of single-cell RNA-seq and ATAC-seq reveals heterogeneity of induced pluripotent stem cell-derived hepatic organoids. iScience, 26(9), 107675.

Yu Z, et al. (2023) Integrative Single-Cell Analysis Reveals Transcriptional and Epigenetic Regulatory Features of Clear Cell Renal Cell Carcinoma. Cancer research, 83(5), 700.

Hickey JW, et al. (2023) Organization of the human intestine at single-cell resolution. Nature, 619(7970), 572.

Becker WR, et al. (2022) Single-cell analyses define a continuum of cell state and composition changes in the malignant transformation of polyps to colorectal cancer. Nature genetics, 54(7), 985.

Yang L, et al. (2022) Human and mouse trigeminal ganglia cell atlas implicates multiple cell types in migraine. Neuron, 110(11), 1806.

Khateb M, et al. (2022) Transcriptomics, regulatory syntax, and enhancer identification in mesoderm-induced ESCs at single-cell resolution. Cell reports, 40(7), 111219.

Finkbeiner C, et al. (2022) Single-cell ATAC-seq of fetal human retina and stem-cell-derived retinal organoids shows changing chromatin landscapes during cell fate acquisition. Cell reports, 38(4), 110294.

Miyao T, et al. (2022) Integrative analysis of scRNA-seq and scATAC-seq revealed transitamplifying thymic epithelial cells expressing autoimmune regulator. eLife, 11.

Wimmers F, et al. (2021) The single-cell epigenomic and transcriptional landscape of immunity to influenza vaccination. Cell, 184(15), 3915.

Sinha S, et al. (2021) Profiling Chromatin Accessibility at Single-cell Resolution. Genomics, proteomics & bioinformatics, 19(2), 172.

Schwartz GW, et al. (2021) TooManyPeaks identifies drug-resistant-specific regulatory elements from single-cell leukemic epigenomes. Cell reports, 36(8), 109575.

Marand AP, et al. (2021) Profiling single-cell chromatin accessibility in plants. STAR protocols, 2(3), 100737.

Penkala IJ, et al. (2021) Age-dependent alveolar epithelial plasticity orchestrates lung

homeostasis and regeneration. Cell stem cell, 28(10), 1775.

Marand AP, et al. (2021) A cis-regulatory atlas in maize at single-cell resolution. Cell, 184(11), 3041.

Penter L, et al. (2021) Longitudinal Single-Cell Dynamics of Chromatin Accessibility and Mitochondrial Mutations in Chronic Lymphocytic Leukemia Mirror Disease History. Cancer discovery, 11(12), 3048.

Cui M, et al. (2020) Dynamic Transcriptional Responses to Injury of Regenerative and Non-regenerative Cardiomyocytes Revealed by Single-Nucleus RNA Sequencing. Developmental cell, 53(1), 102.

Pervolarakis N, et al. (2020) Integrated Single-Cell Transcriptomics and Chromatin Accessibility Analysis Reveals Regulators of Mammary Epithelial Cell Identity. Cell reports, 33(3), 108273.