

# Resource Summary Report

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## CeleScope

RRID:SCR\_023553

Type: Tool

### Proper Citation

CeleScope (RRID:SCR\_023553)

### Resource Information

**URL:** <https://github.com/singleron-RD/CeleScope>

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**Description:** Software tool as collection of bioinformatics analysis pipelines to process single cell sequencing data generated with Singleron products. Single cell analysis pipelines developed by Singleron Biotechnologies.

**Resource Type:** software application, software resource

**Keywords:** Single cell analysis, process single cell sequencing data, Singleron Biotechnologies,

**Availability:** Free, Available for download, Freely available

**Resource Name:** CeleScope

**Resource ID:** SCR\_023553

**Alternate URLs:** <https://pypi.org/project/celescope/>

**License:** MIT License

**Record Creation Time:** 20230510T050220+0000

**Record Last Update:** 20260810T040838+0000

### Ratings and Alerts

No rating or validation information has been found for CeleScope.

No alerts have been found for CeleScope.

### Data and Source Information

## Usage and Citation Metrics

We found 177 mentions in open access literature.

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

Pan J, et al. (2026) Cannabidiol suppresses emergency MDSCs generation by disturbing EEF1B2-mediated C/EBP $\beta$  protein synthesis in colorectal adenomas. Journal for immunotherapy of cancer, 14(1).

Wang Z, et al. (2026) Spatial multi-omics unveils the monoclonal origin, neuroendocrine plasticity, and microenvironment niches in combined small-cell lung cancer. Cell reports. Medicine, 7(4), 102741.

Hu R, et al. (2026) Maternal Fine Particulate Matter Exposure Impairs Inguinal White Adipose Tissue Plasticity in Middle-Aged Male Mouse Offspring. ACS nano, 20(6), 5054.

Chen R, et al. (2026) A single-cell transcriptomic dataset profiling traumatic brain injury and NeuroD1-based gene therapy in mice. Scientific data, 13(1).

Xu L, et al. (2026) Prussian blue nanoparticles targeting multiple PANoptosome-mediated PANoptosis for myocardial ischemia-reperfusion injury therapy. Nature communications, 17(1).

Chen D, et al. (2026) Dissecting origin factors of lymph node metastasis in non-small cell lung cancer via multimodal omics. Nature communications, 17(1).

Xue B, et al. (2026) Cross-species single-cell transcriptomic analyses reveal evolutionary conservation and diversification of ovarian tissues. Journal of animal science and biotechnology, 17(1).

Hao Y, et al. (2026) Avian lung single-cell atlas elucidates evolutionary divergence in endothermic respiration. Molecular biology and evolution, 43(5).

Yu D, et al. (2026) Single-cell atlas of hepatitis C virus inoculated tree shrew liver reveals immune activation, metabolic reprogramming, and persistent inflammation. EBioMedicine, 123, 106080.

Zhang Z, et al. (2026) Metformin Restores Mitochondrial Function and Neurogenesis in POLG Patient-Derived Brain Organoids. Advanced science (Weinheim, Baden-Wurttemberg, Germany), 13(4), e17721.

Wang S, et al. (2026) Systematic Comparison of Droplet-Based and Microwell-Based Platforms for Comprehensive Single-Cell Transcriptomic Analysis in Clinical Samples. IET nanobiotechnology, 2026, 9314222.

Li R, et al. (2026) Mechanistic Insights Into Immune Cell Dysregulation Mediated by Novel Heterozygous Variants in CARD11 and MALT1. Journal of clinical immunology, 46(1).

Wang S, et al. (2026) Multimodal tumor thermal therapy enhances antitumor immunity by expanding tumor-reactive CX3CR1<sup>+</sup>GPR56<sup>+</sup> T cells in hepatocellular carcinoma. *Theranostics*, 16(9), 4959.

Zhao J, et al. (2026) Heterogeneity of lymphoid cells in PBMCs in the acute phase of SFTS: Single-cell transcriptome profiling. *Journal of biomedical research*, 40(2), 196.

Tang Y, et al. (2026) Oncolytic virus OVV-03 enhances CAR-T cell therapy against glioblastoma via immune modulation and specific HER2 upregulation. *Oncoimmunology*, 15(1), 2612377.

Bu G, et al. (2026) 17 $\beta$ -estradiol mediates sex-biased progesterone receptor expression via estrogen receptor  $\alpha$  in chicken pituitary. *Poultry science*, 105(1), 106210.

Huang WS, et al. (2026) Single-nucleus RNA sequencing uncovers cell type-specific alterations in OSA-related liver injury. *Scientific reports*, 16(1).

Fu S, et al. (2026) Small extracellular vesicles produced by homeostatic phenotype BMSC promote bone regeneration by transferring anti-senescent factor JMJD6. *Journal of nanobiotechnology*, 24(1).

Huang K, et al. (2026) DMAP1 Deficiency Suppresses Lung Cancer Progression by Destabilizing Replication Fork and Activating IFN Signaling-Mediated Anti-tumor Immunity. *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*, 13(33), e17634.

Tang R, et al. (2026) Neoantigens and shared MICB  $\alpha$ 3 antigen dual-targeted vaccine generates potent antitumor immunity. *EMBO molecular medicine*, 18(6), 2098.