

# Resource Summary Report

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## SINCERA Pipeline

RRID:SCR\_016563

Type: Tool

### Proper Citation

SINCERA Pipeline (RRID:SCR\_016563)

### Resource Information

**URL:** <https://github.com/xu-lab/SINCERA>

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**Description:** Software tool implemented in R S4 as an analytic pipeline for processing single-cell RNA-seq data from a whole organ or sorted cells. Used for Single Cell RNA-Seq profiling analysis.

**Abbreviations:** SINCERA

**Synonyms:** SINCERA, SINGle CELL RNA seq profiling Analysis

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

**Defining Citation:** [PMID:26600239](#)

**Keywords:** single, cell, RNA seq, data, sorted, whole, organ, profiling, analysis

**Funding:** NHLBI U01 HL110964;  
NHLBI U01 HL122642;  
NHLBI R01 HL105433

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

**Resource Name:** SINCERA Pipeline

**Resource ID:** SCR\_016563

**Alternate URLs:** <https://research.cchmc.org/pbge/sincera.html>

**License:** GNU General Public License v3

**Record Creation Time:** 20220129T080331+0000

## Ratings and Alerts

No rating or validation information has been found for SINCERA Pipeline.

No alerts have been found for SINCERA Pipeline.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We found 5 mentions in open access literature.

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

Arya A, et al. (2025) Navigating single-cell RNA-sequencing: protocols, tools, databases, and applications. Genomics & informatics, 23(1), 13.

Goggin SM, et al. (2024) ESCHR: a hyperparameter-randomized ensemble approach for robust clustering across diverse datasets. Genome biology, 25(1), 242.

Wu G, et al. (2021) Short-term exposure to intermittent hypoxia leads to changes in gene expression seen in chronic pulmonary disease. eLife, 10.

Spakowicz D, et al. (2020) Approaches for integrating heterogeneous RNA-seq data reveal cross-talk between microbes and genes in asthmatic patients. Genome biology, 21(1), 150.

Wu H, et al. (2018) Comparative Analysis and Refinement of Human PSC-Derived Kidney Organoid Differentiation with Single-Cell Transcriptomics. Cell stem cell, 23(6), 869.