Resource Summary Report

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Anndata

RRID:SCR_018209
Type: Tool

Proper Citation

Anndata (RRID:SCR_018209)

Resource Information

URL: https://github.com/theislab/anndata

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Description: Software tool that provides scalable way of keeping track of data and learned annotations. Initially built for Scanpy. Used as generic class for handling annotated data matrices. Stores data matrix with annotations of observations (samples, cells) and variables (features, genes), and unstructured annotations.

Synonyms: Annotated data

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

Defining Citation: PMID:29409532

Keywords: Data tracking, annotated data matrice, store data matrix, annotation of observation, annotation of variable, unstructured annotation, sparse data,

Funding: Helmholtz Postdoc Programme ;
German Research Foundation

Resource Name: Anndata

Resource ID: SCR_018209

Alternate URLs: https://sources.debian.org/src/python3-anndata/

License: BSD 3-Clause "New" or "Revised" License

Record Creation Time: 20220129T080339+0000

Record Last Update: 20250424T065539+0000

Ratings and Alerts

No rating or validation information has been found for Anndata.

No alerts have been found for Anndata.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 16 mentions in open access literature.

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

Sun N, et al. (2024) Establishing a 3D culture system for early organogenesis of monkey embryos ex vivo and single-cell transcriptome analysis of cultured embryos. STAR protocols, 5(1), 102835.

Fowler JL, et al. (2024) Lineage-tracing hematopoietic stem cell origins in vivo to efficiently make human HLF+ HOXA+ hematopoietic progenitors from pluripotent stem cells. Developmental cell, 59(9), 1110.

Wang W, et al. (2024) Single-cell analysis of tumor microenvironment and cell adhesion reveals that interleukin-1 beta promotes cancer cell proliferation in breast cancer. Animal models and experimental medicine, 7(5), 617.

Booeshaghi AS, et al. (2024) Quantifying orthogonal barcodes for sequence census assays. Bioinformatics advances, 4(1), vbad181.

Wang Y, et al. (2024) Identification of JUN gene and cellular microenvironment in response to PD-1 blockade treatment in lung cancer patients via single-cell RNA sequencing. Aging, 16(12), 10348.

Chiou KL, et al. (2023) A single-cell multi-omic atlas spanning the adult rhesus macaque brain. Science advances, 9(41), eadh1914.

Gray GK, et al. (2023) Single-cell and spatial analyses reveal a tradeoff between murine mammary proliferation and lineage programs associated with endocrine cues. Cell reports, 42(10), 113293.

Mzoughi S, et al. (2023) A Mutation-driven oncofetal regression fuels phenotypic plasticity in colorectal cancer. bioRxiv : the preprint server for biology.

Lee B, et al. (2022) A unified view of low complexity regions (LCRs) across species. eLife, 11.

Ramos S, et al. (2022) A hypometabolic defense strategy against malaria. Cell metabolism, 34(8), 1183.

Di Persio S, et al. (2021) Single-cell RNA-seq unravels alterations of the human spermatogonial stem cell compartment in patients with impaired spermatogenesis. Cell reports. Medicine, 2(9), 100395.

Booeshaghi AS, et al. (2021) Isoform cell-type specificity in the mouse primary motor cortex. Nature, 598(7879), 195.

Wen Y, et al. (2021) Myonuclear transcriptional dynamics in response to exercise following satellite cell depletion. iScience, 24(8), 102838.

Stein DF, et al. (2021) singlecellVR: Interactive Visualization of Single-Cell Data in Virtual Reality. Frontiers in genetics, 12, 764170.

Chen B, et al. (2021) Processing single-cell RNA-seq data for dimension reduction-based analyses using open-source tools. STAR protocols, 2(2), 100450.

Omori S, et al. (2020) Generation of a p16 Reporter Mouse and Its Use to Characterize and Target p16high Cells In Vivo. Cell metabolism, 32(5), 814.