

# Single-cell gene expression and cytosine modification profiling in pediatric central nervous system tumors

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- Includes Bulk RNA-seq



38 Downloadable Samples



Nucleus



10Xv3.1



Bulk RNA-seq, Multiplexed



34 samples are multiplexed. [Learn more](#)

## Diagnosis

Anaplastic ependymoma (4), Anaplastic ganglioglioma (1), Desmoplastic ganglioglioma (2), ...

## Abstract

Single cell gene expression profiling of pediatric central nervous system (CNS) tumors holds great potential to further our understanding of carcinogenesis, augment prognostic indicators, and identify rational therapeutic targets. Whereas the genomic characteristics of these tumors are fairly well-defined in aggregate, the extent to which cellular heterogeneity is associated with carcinogenesis and clinical outcomes is largely unknown ...

## Publications

Lee M. K., N. Azizgolshani, J. Shapiro, L. Nguyen, F. K. IV, et al., 2023 Tumor type and cell type-specific gene expression alterations in diverse pediatric central nervous system tumors identified using single nuclei RNA-seq. Res.Sq.rs.3.rs-2517703.

<https://doi.org/10.21203/rs.3.rs-2517703/v1>

## Also deposited under

[SRP392501](#), [GSE211362](#)

## Additional Sample Metadata Fields

Developed\_recurrence, location\_class, participant\_id, scpcfa\_project\_id, submitter, submitter\_id, WHO\_grade, Years\_to\_recurrence

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