

Research Publications Featuring the SH800 Cell Sorter in Neuroscience Research

2021

Lui JH, Nguyen ND, Grutzner SM, et al. Differential encoding in prefrontal cortex projection neuron classes across cognitive tasks. *Cell*. 2021;184:489-506.e26. [PubMed](#)

2020

Alkaslasi MR, Piccus ZE, Silberberg H, et al. Single nucleus RNA-sequencing defines unexpected diversity of cholinergic neuron types in the adult mouse spinal cord. 2020. [DOI](#)

Fang R, Preissl S, Li Y, et al. SnapATAC: a comprehensive analysis package for single cell ATAC-seq. 2020. [DOI](#)

Yao Z, Liu H, Xie F, et al. An integrated transcriptomic and epigenomic atlas of mouse primary motor cortex cell types. 2020. [DOI](#)

Sagoshi S, Maejima S, Morishita M, et al. Detection and characterization of estrogen receptor beta expression in the brain with newly developed transgenic mice. *Neuroscience*. 2020;438:182-197. [PubMed](#)

Parisian AD, Koga T, Miki S, et al. SMARCB1 loss interacts with neuronal differentiation state to block maturation and impact cell stability. *Genes Dev*. 2020;34:1316-1329. [PubMed](#)

2019

Li H, Li T, Horns F, et al. Coordinating receptor expression and wiring specificity in olfactory receptor neurons. 2019. [DOI](#)

MacKay H, Scott CA, Duryea JD, et al. DNA methylation in AgRP neurons regulates voluntary exercise behavior in mice. *Nat Commun*. 2019;10:5364. [DOI](#)

Luo C, Liu H, Xie F, et al. Single nucleus multi-omics links human cortical cell regulatory genome diversity to disease risk variants. 2019. [DOI](#)

Li Q, Cheng Z, Zhou L, et al. Developmental heterogeneity of microglia and brain myeloid cells revealed by deep single-cell RNA sequencing. *Neuron*. 2019;101:207-223.e10. [PubMed](#)

Trujillo CA, Gao R, Negraes PD, et al. Complex oscillatory waves emerging from cortical organoids model early human brain network development. *Cell Stem Cell*. 2019;25:558-569.e7. [PubMed](#)

2018

Ho H, De Both M, Siniard A, et al. A guide to single-cell transcriptomics in adult rodent brain: the medium spiny neuron transcriptome revisited. *Front Cell Neurosci*. 2018. [PubMed](#)

Preissl S, Fang R, Huang H, et al. Single-nucleus analysis of accessible chromatin in developing mouse forebrain reveals cell-type-specific transcriptional regulation. *Nat Neurosci*. 2018;21: 432-439. [PubMed](#)

Sun S, Babola T, Pregernig G, et al. Hair cell mechanotransduction regulates spontaneous activity and spiral ganglion subtype specification in the auditory system. *Cell*. 2018;174:1247-1263.e15. [PubMed](#)

Mulqueen RM, Pokholok D, Norberg SJ, et al. Highly scalable generation of DNA methylation profiles in single cells. *Nat Biotechnol*. 2018;36:428-431. [DOI](#)

2017

Li H, Horns F, Wu B, et al. Classifying *Drosophila* olfactory projection neuron subtypes by single-cell RNA sequencing. *Cell*. 2017;171:1206-1220.e22. [PubMed](#)

Preissl S, Fang R, Zhao Y, et al. Single nucleus analysis of the chromatin landscape in mouse forebrain development. 2017. [DOI](#)

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