

Research Publications Featuring the SH800 Cell Sorter in CRISPR/Cas 9 Studies

2020

Angenent-Mari NM et al. "A deep learning approach to programmable RNA switches." *Nat Commun.* 2020 Oct 7;11 (5057). [PubMed](#)

Porter CE et al. "Oncolytic Adenovirus Armed with BiTE, Cytokine, and Checkpoint Inhibitor Enables CAR T Cells to Control the Growth of Heterogeneous Tumors." *Molecular Therapy.* 2020 May 6;28(5):1251-1262. [PubMed](#)

Kwon JB et al. "Myogenic Progenitor Cell Lineage Specification by CRISPR/Cas9-Based Transcriptional Activators." *Stem Cell Reports.* 2020 May 12; 14(5):755-769. [PubMed](#)

Kempton HR et al. "Multiple Input Sensing and Signal Integration Using a Split Cas12a System." *Mol Cell.* 2020 Apr 2;78 (1):184-191.e3 [PubMed](#)

2019

Oakes BL, et al. "CRISPR-Cas9 Circular Permutants as Programmable Scaffolds for Genome Modification." *Cell.* 2019 Jan 10;176(1-2):254-267 [PubMed](#)

Dolan AE, et al. "Introducing a Spectrum of Long-Range Genomic Deletions in Human Embryonic Stem Cells Using Type I CRISPR-Cas." *Mol Cell.* 2019 Jun 6;74(5):936-950.e5. [PubMed](#)

Goto T, et al. "Generation of pluripotent stem cell-derived mouse kidneys in Sall1-targeted anephric rats." *Nat Commun.* 2019 Feb 5;10(1):451. [PubMed](#)

Zou Y, et al. "A GPX4-dependent cancer cell state underlies the clear-cell morphology and confers sensitivity to ferroptosis." *Nat Commun.* 2019 Apr 8;10(1):1617. [PubMed](#)

Egbert RG, et al. "A versatile platform strain for high-fidelity multiplex genome editing." *Nucleic Acids Res.* 2019 Apr 8;47(6):3244-3256. [PubMed](#)

Hojo MA, et al. "Identification of a genomic enhancer that enforces proper apoptosis induction in thymic negative selection." *Nat Commun.* 2019 Jun 13;10(1):2603. [PubMed](#)

Ludwig LS, et al. "Transcriptional States and Chromatin Accessibility Underlying Human Erythropoiesis." *Cell Rep.* 2019 Jun 11;27(11):3228-3240.e7. [PubMed](#)

Narimatsu Y, et al. "An Atlas of Human Glycosylation Pathways Enables Display of the Human Glycome by Gene Engineered Cells." *Mol Cell.* 2019 Jul 25;75(2):394-407.e5. [PubMed](#)

Tagaya H, et al. "A method of producing genetically manipulated mouse mammary gland." *Breast Cancer Res.* 2019 Jan 5;21(1):1. [PubMed](#)

2018

Klann TS, et al. "Screening Regulatory Element Function with CRISPR/Cas9-based Epigenome Editing." *Methods Mol Biol.* 2018;1767:447-480. [PubMed](#)

2017

Klann TS, et al. "CRISPR-Cas9 epigenome editing enables high-throughput screening for functional regulatory elements in the human genome." *Nat Biotechnol.* 2017 Jun;35(6):561-568. [PubMed](#)

Li H, et al. "Classifying Drosophila Olfactory Projection Neuron Subtypes by Single-Cell RNA Sequencing." *Cell.* 2017 Nov 16;171(5):1206-1220.e22. [PubMed](#)

2016

Oakes BL, et al. "Profiling of engineering hotspots identifies an allosteric CRISPR-Cas9 switch." *Nat Biotechnol.* 2016 Jun;34(6):646-51. [PubMed](#)

2014

Oakes BL, et al. "Protein engineering of Cas9 for enhanced function." *Methods Enzymol.* 2014;546:491-511. [PubMed](#)

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sonybiotechnology.com/us/instruments/sh800s-cell-sorter