

## Research Publications Featuring the SH800 Cell Sorter in Stem Cell Research

Yao Y, Norris EH, Mason C, Strickland S. Laminin regulates PDGFR $\beta$ (+) cell stemness and muscle development. *Nat Commun.* 2016;7:11415. [PubMed](#)

Miura R, Kasakura K, Nakano N, et al. Role of PU.1 in MHC class II expression via CIITA transcription in plasmacytoid dendritic cells. *PLoS One.* 2016;11:e0154094. [PubMed](#)

Hara H, Goto T, Takizawa A, et al. Rat blastocysts from nuclear injection and time-lagged enucleation and their commitment to embryonic stem cells. *Cell Reprogram.* 2016;18:108-115. [PubMed](#)

Bagó JR, Alfonso-Pecchio A, Okolie O, et al. Therapeutically engineered induced neural stem cells are tumour-homing and inhibit progression of glioblastoma. *Nat Commun.* 2016;7:10593. [PubMed](#)

Arai S, Kitada K, Yamazaki T, et al. Apoptosis inhibitor of macrophage protein enhances intraluminal debris clearance and ameliorates acute kidney injury in mice. *Nat Med.* 2016;22:183-193. [PubMed](#)

McDonald PW, Read KA, Baker CE, et al. IL-7 signalling represses Bcl-6 and the TFH gene program. *Nat Commun.* 2016;7:10285. [PubMed](#)

Heine A, Schilling J, Grünwald B, et al. The induction of human myeloid derived suppressor cells through hepatic stellate cells is dose-dependently inhibited by the tyrosine kinase inhibitors nilotinib, dasatinib and sorafenib, but not sunitinib. *Cancer Immunol Immunother.* 2016;65:273-282. [PubMed](#)

Hayashi M, Maehara K, Harada A, et al. Chd5 regulates MuERV-L/MERVL expression in mouse embryonic stem cells via H3K27me3 modification and histone H3.1/H3.2. *J Cell Biochem.* 2016;117:780-792. [PubMed](#)

Sakaguchi R, Chikuma S, Shichita T, et al. Innate-like function of memory Th17 cells for enhancing endotoxin-induced acute lung inflammation through IL-22. *Int Immunol.* 2016;28:233-243. [PubMed](#)

Sluch VM, Davis CO, Ranganathan V, et al. Differentiation of human ESCs to retinal ganglion cells using a CRISPR engineered reporter cell line. *Sci Rep.* 2015;5:16595. [PubMed](#)

Umikawa M, Umikawa A, Asato T, et al. Angiopoietin-like protein 2 induces proinflammatory responses in peritoneal cells. *Biochem Biophys Res Commun.* 2015;467:235-241. [PubMed](#)

Hirota S, Ogawa M. Activin A in combination with OP9 cells facilitates development of Flk-1(+) PDGFR $\alpha$ (-) and Flk-1(+) PDGFR $\alpha$ (+) hematopoietic mesodermal cells from murine embryonic stem cells. *Biochem Biophys Res Commun.* 2015;467:583-588. [PubMed](#)

Nakamura T, Miyabe H, Hyodo M, Sato Y, Hayakawa Y, Harashima H. Liposomes loaded with a STING pathway ligand, cyclic di-GMP, enhance cancer immunotherapy against metastatic melanoma. *J Control Release.* 2015;216:149-157. [PubMed](#)

Karasawa K, Asano K, Moriyama S, et al. Vascular-resident CD169-positive monocytes and macrophages control neutrophil accumulation in the kidney with ischemia-reperfusion injury. *J Am Soc Nephrol.* 2015;26:896-906. [PubMed](#)

Tashiro K, Hirata N, Okada A, et al. Expression of coxsackievirus and adenovirus receptor separates hematopoietic and cardiac progenitor cells in fetal liver kinase 1-expressing mesoderm. *Stem Cells Transl Med.* 2015;4:424-436. [PubMed](#)

Asano K, Takahashi N, Ushiki M, et al. Intestinal CD169(+) macrophages initiate mucosal inflammation by secreting CCL8 that recruits inflammatory monocytes. *Nat Commun.* 2015;6:7802. [PubMed](#)

Mizukami Y, Abe T, Shibata H, et al. MHC-matched induced pluripotent stem cells can attenuate cellular and humoral immune responses but are still susceptible to innate immunity in pigs. *PLoS One.* 2014;9:e98319. [PubMed](#)

Hsueh Y-C, Wu JMF, Yu C-K, Wu KK, Hsieh PCH. Prostaglandin E2 promotes post-infarction cardiomyocyte replenishment by endogenous stem cells. *EMBO Mol Med.* 2014;6:496-503. [PubMed](#)

Hirata H, Sugimachi K, Takahashi Y, et al. Downregulation of PRRX1 confers cancer stem cell-like properties and predicts poor prognosis in hepatocellular carcinoma. *Ann Surg Oncol.* 2015;Suppl 3:S1402-S1409. [PubMed](#)

Shibata S, Hayashi R, Kudo Y, et al. Cell-type-specific adhesiveness and proliferation propensity on laminin isoforms enable purification of iPSC-derived corneal epithelium. *Stem Cell Reports.* 2020;14:663-676. [PubMed](#)

Shibata S, Hayashi R, Okubo T, et al. Selective laminin-directed differentiation of human induced pluripotent stem cells into distinct ocular lineages. *Cell Rep.* 2018;25:1668-1679.e5. [PubMed](#)

Cho G-S, Lee DI, Tampakakis E, et al. Neonatal transplantation confers maturation of PSC-derived cardiomyocytes conducive to modeling cardiomyopathy. *Cell Rep.* 2017;18:571-582. [PubMed](#)

Tsukamoto S, Nakade K, Wakabayashi T, et al. Generation of two ISL1-tdTomato reporter human induced pluripotent stem cell lines using CRISPR-Cas9 genome editing. *Stem Cell Res.* 2021;53:102363. DOI: 10.1016/j.scr.2021.102363. [DOI](#)

Kobayashi Y, Hayashi R, Shibata S, Quantock AJ, Nishida K. Ocular surface ectoderm instigated by WNT inhibition and BMP4. *Stem Cell Res.* 2020;46:101868. [PubMed](#)

Lee S-I, Jeong W, Cho S, et al. ApoE4-carrying human astrocytes oversupply cholesterol into neurons and promote A $\beta$  generation. *Res Square*. DOI: 10.21203/rs.3.rs-122857/v. [DOI](#)

Balafkan N, Mostafavi S, Schubert M, et al. A method for differentiating human induced pluripotent stem cells toward functional cardiomyocytes in 96-well microplates. *Sci Rep.* 2020;10:18498. DOI: 10.1038/s41598-020-73656-2. [DOI](#)

Koga T, Chaim IA, Benitez JA, et al. Longitudinal assessment of tumor development using cancer avatars derived from genetically engineered pluripotent stem cells. *Nat Commun.* 2020;11:550. [PubMed](#)

Andersen P, Tampakakis E, Jimenez DV, et al. Precardiac organoids form two heart fields via Bmp/Wnt signaling. *Nat Commun.* 2018;9:3140. DOI: 10.1038/s41467-018-05604-8. [DOI](#)

Budkova Z, Sigurdardottir AK, Briem E, et al. Expression of ncRNAs on the DLK1-DIO3 locus is associated with basal and mesenchymal phenotype in breast epithelial progenitor cells. *Front Cell Dev Biol.* 2020;8:461. [PubMed](#)

Kobayashi T, Goto T, Oikawa M, et al. Blastocyst complementation using Prdm14-deficient rats enables efficient germline transmission and generation of functional mouse spermatids in rats. *Nat Commun.* 2021;12: 1328. DOI: 10.1038/s41467-021-21557-x. [DOI](#)