

Research Publications Featuring the Sony MA900 Multi-Application Cell Sorter

Immunology

Porsche CE, Delproposto JB, Patrick E, Zamarron BF, Lumeng CN. Adipose tissue dendritic cell signals are required to maintain T cell homeostasis and obesity-induced expansion. *Mol Cell*. 2020;505:110740. [PubMed](#)

Han M, Ishikawa T, Bermick JR, et al. IL-1 β prevents ILC2 expansion, type 2 cytokine secretion, and mucus metaplasia in response to early-life rhinovirus infection in mice. *Allergy*. 2020;75:2005-2019. [PubMed](#)

Fabian KP, Padget MR, Donahue RN, et al. PD-L1 targeting high-affinity NK (t-haNK) cells induce direct antitumor effects and target suppressive MDSC populations. *J Immunother Cancer*. 2020;8:e000450. [PubMed](#)

Sekine T, Perez-Potti A, Nguyen S, et al. TOX is expressed by exhausted and polyfunctional human effector memory CD8+ T cells. *Sci Immunol*. 2020;5:eaba7918. [PubMed](#)

Ma H, Song X, Zhang W, et al. Formaldehyde inhibits development of T lymphocytes in mice. *Toxicological & Environmental Chemistry*. 2020;102:473-489. DOI: 10.1080/02772248.2020.1815202 [DOI](#)

Fergusson JR, Wallace Z, Connolly MM, et al. Immune-mobilising monoclonal T cell receptors mediate specific and rapid elimination of hepatitis B-infected cells. *Hepatology*. 2020;72:1528-1540. DOI: 10.1002/hep.31503 [PubMed](#)

Gaballa A, Arruda LCM, Rådestad E, Uhlin M. CD8+ $\gamma\delta$ T cells are more frequent in CMV seropositive bone marrow grafts and display phenotype of an adaptive immune response. *Stem Cells Int*. 2019;6348060. [PubMed](#)

Rao A, Strauss O, Kokkinou E, et al. Cytokines regulate the antigen-presenting characteristics of human circulating and tissue-resident intestinal ILCs. *Nat Commun*. 2020;11:2049. [PubMed](#)

Yamauchi T, Hoki T, Oba T, et al. CX3CR1-CD8+ T cells are critical in antitumor efficacy but functionally suppressed in the tumor microenvironment. *JCI Insight*. 2020;5:e133920. [PubMed](#)

Quiniou V, Barennes P, Martina F, et al. Human thymopoiesis selects unconventional CD8+ α/β T cells that respond to multiple viruses. *bioRxiv*. DOI: 10.1101/2020.07.27.223354 [DOI](#)

Cell Biology

Holloway EM, Wu JH, Czerwinski M, et al. Differentiation of human intestinal organoids with endogenous vascular endothelial cells. *Dev Cell*. 2020;54:516-528.e7. [PubMed](#)

Gao H, Luo Z, Jin Z, Ji Y, Ying W. Adipose tissue macrophages orchestrate β cell adaptation in obesity through secreting miRNA-containing extracellular vesicles. *bioRxiv*. DOI:10.1101/2020.06.12.148809. [DOI](#)

Pine AR, Cirigliano SM, Nicholson JG, et al. Tumor microenvironment is critical for the maintenance of cellular states found in primary glioblastomas. *Cancer Discov*. 2020;10:964-979. [PubMed](#)

Worthen CA, Cui Y, Orringer JS, Johnson TM, Voorhees JJ, Fisher GJ. CD26 identifies a subpopulation of fibroblasts that produce the majority of collagen during wound healing in human skin. *J Invest Dermatol*. 2020;140:2515-2524.e3. [PubMed](#)

Calcagno DM, Ng Jr RP, Toomu A, et al. Type I interferon responses to ischemic injury begin in the bone marrow of mice and humans and depend on Tet2, Nrf2, and Irf3. *bioRxiv*. DOI: 10.1101/765404. [DOI](#)

Microbiology

Lal PB, Wells FM, Lyu Y, Ghosh IN, Landick R, Kiley PJ. A markerless method for genome engineering in *Zymomonas mobilis* ZM4. *Front Microbiol*. 2019;10:2216. [PubMed](#)

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