

The following are representative references picked out.

■ Primary T cells/ CELLBANKER 1

Programming tissue-sensing T cells that deliver therapies to the brain.

Simic MS, Watchmaker PB, Gupta S, Wang Y, Sagan SA, Duecker J, Shepherd C, Diebold D, Pineo-Cavanaugh P, Haegelin J, Zhu R, Ng B, Yu W, Tonai Y, Cardarelli L, Reddy NR, Sidhu SS, Troyanskaya O, Hauser SL, Wilson MR, Zamvil SS, Okada H, Lim WA.

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■ CD8⁺ T cells/ CELLBANKER 1

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Du H, Mallik L, Hwang D, Sun Y, Kaku C, Hoces D, Sun SM, Ghinnagow R, Carro SD, Phan HAT, Gupta S, Blackson W, Lee H, Choe CA, Dersh D, Liu J, Bell B, Yang H, Papadaki GF, Young MC, Zhou E, El Nesr G, Goli KD, Eisenlohr LC, Minn AJ, Hernandez-Lopez RA, Jardine JG, Sgourakis NG, Huang PS.

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■ Tumor-infiltrating lymphocytes/ CELLBANKER 1

Identification and phenotypic characterization of neoantigen-specific cytotoxic CD4⁺ T cells in endometrial cancer.

Fusagawa M, Tokita S, Murata K, Mariya T, Umemoto M, Sugita S, Matsuo K, Hirohashi Y, Saito T, Kanaseki T, Torigoe T.

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<https://aacrjournals.org/cancerimmunolres/article-abstract/13/2/171/751249/>

■ $\gamma\delta$ T cells/ STEM-CELLBANKER

Human serum albumin and chromatin condensation rescue ex vivo expanded gammadelta T cells from the effects of cryopreservation.

Burnham RE, Tope D, Branella G, Williams E, Doering CB, Spencer HT.

Cryobiology (2021) Jan 21:S0011-2240(21)00011-0.

<https://www.sciencedirect.com/science/article/abs/pii/S0011224021000110>

■ Human NK cell line NK-92/ STEM-CELLBANKER DMSO Free

Successful expansion and cryopreservation of human natural killer cell line NK-92 for clinical manufacturing.

Lee S, Joo Y, Lee EJ, Byeon Y, Kim JH, Pyo KH, Kim YS, Lim SM, Kilbride P, Iyer RK, Li M, French MC, Lee JY, Kang J, Byun H, Cho BC.

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■ Dendritic cells/ CELLBANKER 1

Mature dendritic cells enriched in regulatory molecules may control regulatory T cells and the prognosis of head and neck cancer.

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■ CAR-T cells/ CELLBANKER 2

Peripheral leukemia burden at time of apheresis negatively affects the clinical efficacy of CART19 in refractory or relapsed B-ALL.

Deng B, Pan J, Liu Z, Liu S, Chen Y, Qu X, Zhang Y, Lin Y, Zhang Y, Yu X, Zhang Z, Niu X, Luan R, Ma M, Li X, Liu T, Wu X, Niu H, Chang AH, Tong C.

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■ Lymphocytes/ CELLBANKER 1

TCR function analysis using a novel system reveals the multiple unconventional tumor-reactive T cells in human breast cancer-infiltrating lymphocytes.

Yamaguchi S, Hamana H, Shitaoka K, Sukegawa K, Nagata T, Hayee A, Kobayashi E, Ozawa T, Fujii T, Muraguchi A, Tobe K, Kishi H.

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Sugahara T, Tanaka Y, Hamaguchi M, Fujii M, Shimura K, Ogawa K, Mori T, Kusuki I, Fukui M, Kitawaki J.

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■ Lymphocytes/ STEM-CELLBANKER

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Tarumi Y, Mori T, Okimura H, Maeda E, Tanaka Y, Kataoka H, Ito F, Koshiba A, Kusuki I, Kitawaki J. Am J Reprod Immunol. 2020 Nov 19;e13380.

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