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(54) Title: ENGINEERED INDUCED STEM CELL DERIVED MYELOID CELLS AND METHODS OF DIFFERENTIATING AND USING SAME

(57) Abstract: Provided are compositions and methods for a cell population comprising macrophage cells comprising a synthetic cytokine receptor for a non-physiological ligand. The non-physiological ligand activates the synthetic cytokine receptor in the engineered stem cells to induce differentiation of the stem cells and, expansion and/or activation of resulting cytotoxic macrophage cells.

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