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(54) Title: METHODS OF GENERATING CELLS

(57) Abstract: The preset disclosure provides methods of preparing immune cells, e.g., T cells and/or NK cells, comprising contacting the cells with programmable cell-signaling scaffolds in a medium comprising at least about 5 mM potassium ion. In some aspects, the methods disclosed herein increase the number of less-differentiated cells in the population of cells. In some aspects, the cultured cells are engineered, e.g., to comprise a chimeric antigen receptor (CAR) or an engineered T cell receptor (TCR). In some aspects, the cells are administered to a subject in need thereof.



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