GENETICALLY MODIFIED CELLS AND USES THEREOF

ABSTRACT

The present invention relates generally to a population of stem cells (e.g., iPSCs or HSCs) that comprise nucleic acids encoding a T cell receptor and a chimeric antigen receptor directed to multiple distinct antigenic determinants, for example two distinct tumour antigenic determinants. The present invention is also directed to a population of T cells that co-express a T cell receptor and a chimeric antigen receptor directed to multiple distinct antigenic determinants, such as two distinct tumour antigenic determinants. The cells of the present invention can be derived from chosen donors whose HLA type is compatible with significant sectors of the populations, and are useful in a wide variety of applications, in particular in the context of the therapeutic treatment of neoplastic conditions.

[No Figure]