

Somatic Cell Gene Therapy

Inventors:

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Applications:

Gene Therapy

A gene therapy method of implanting transduced fibroblasts in the loose connective tissue of the skin

This invention is directed to fibroblast cells which are transduced so that they express a "replacement" gene of interest. These transduced fibroblasts are preferably fixed in vitro in an extracellular matrix, and then implanted in the loose connective tissue of the skin of an individual or animal to be treated. Because the fibroblasts are implanted in a highly vascularized compartment of the skin, the transduced cells, and thus their "replacement" gene products, have direct access to the circulatory system. As a result the needed replacement gene products can easily and efficiently be distributed to other parts of the body. When the gene therapy is no longer needed, the implanted fibroblasts can be conveniently removed.

References:

Proc. Natl. Acad. Sci. USA, vol. 85:3150-3154 (1988)

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Exclusive, Partially Exclusive, Nonexclusive license negotiable

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