

Medicine - Stem Cells, Genes & Superbeams (Cutting Edge)

Heinemann Library - The Promise of Induced Pluripotent Stem Cells (iPSCs)



Description: -

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- Medicine
- Medical technology
- Juvenile literature
- History
- Science & Nature - Biology
- For National Curriculum Key Stage 3
- Children: Grades 4-6
- Juvenile Nonfiction
- Medicine & nursing
- Medicine - Stem Cells, Genes & Superbeams (Cutting Edge)
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Notes: -

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Tags: #Developing #New #Stem #Cell #Lines #for #Study #of #Genetic #Disorders

Developing New Stem Cell Lines for Study of Genetic Disorders

Rows of similar colors represent studies that used similar strategies for reprogramming.

Stem Cell Study Illuminates the Cause of a Devastating Inherited Heart Disorder

For therapeutic applications in transplantation medicine, the controlled modification of specific genes should be useful for purifying specific embryonic stem cell-derived, differentiated cell types from a mixed population, altering the antigenicity of embryonic stem cell derivatives, and adding defined markers that allow the identification of transplanted cells. Indications Addressed by Gene Therapy Clinical Trials. Red cells indicate the cells expressing the exogenous genes.

Genes + Cells

To select for cells in which homologous recombination has occurred, the end of the recombination construct often includes the thymidine kinase gene from the herpes simplex virus. This applies to applicants who originally entered for an MSc.

Genes, Drugs and Stem Cells

Functional bioartificial mandibles are made by seeding autogenic cells onto a mesh scaffold loaded with bovine bone matrix, a type of extracellular matrix that has proved valuable in regenerative for its ability to promote cell adhesion and proliferation in transplantable tissues.

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