

Pluripotent cell isolation for regenerative medicine

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Pluripotent cells offer great promise to the future of regenerative medicine and tissue engineering. Nuclear transfer, direct reprogramming and cell fusion can be used to experimentally induce pluripotency in somatic cells. To date, no naturally occurring pluripotent cell has been identified in the mammalian

soma, and cells with pluripotent potential in the early embryo or germ lineage are difficult to isolate from patients. This makes methods of experimentally induced pluripotency in readily available somatic cells (such as skin biopsies) invaluable for the generation of patient-specific stem cells.





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