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Signalling pathways in cardiac regenerationDISCUSSION; Beyond small molecule drugs for heart failure: prospects for gene therapy; DISCUSSION; Dual roles of telomerase in cardiac protection and repair; DISCUSSION; Final general discussion; Closing remarks: historical perspective; Contributor index; Subject index

Sommario/riassunto

Heart failure is the main cause of death and disability in the industrialized world. There is a major need for novel therapeutics for prevention and reversal of cardiac pathology associated with heart failure and cardiac enlargement. Over recent years, dramatic progress has been made in unravelling the cellular circuitry involved in cardiac failure, as well as in normal cardiac growth, development and apoptosis. This work has revealed new and unexpected therapeutic targets in the heart. In addition, advances in understanding the role of stem cells in cardiac physiology have suggested strategie