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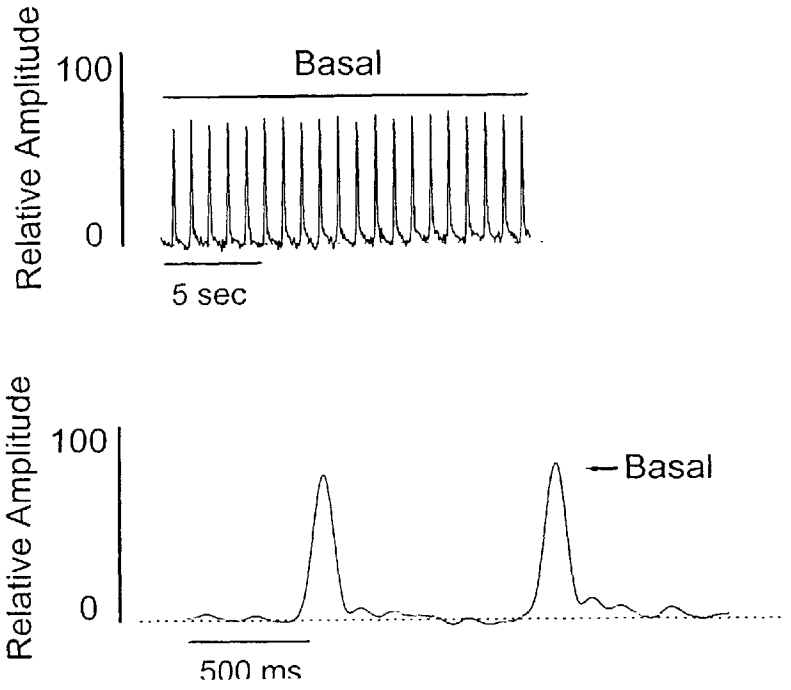
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(54) Title: FUNCTIONAL CARDIOMYOCYTES FROM HUMAN EMBRYONIC STEM CELLS




(57) Abstract: Human embryonic stem cells form embryoid bodies in culture which contain differentiated human cells. Some of the human cells in embryoid bodies differentiate into cardiomyocytes. Here the biological and electrical characteristics of those cardiomyocytes are described with reference to the use of cardiomyocytes derived from human embryonic stem cells in drug screening protocols for mechanisms of cardiac toxicity.

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