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The building blocks for cardiac repair : isolation and differentiation of progenitor cells from the human heart

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Stellingen

1. The ability to isolate a defined population of progenitor cells is indispensable for stem cell research (This dissertation).
2. Not the protein, but the glycan motifs are important for the recognition of human cardiac stem cells which makes sugars highly interesting as therapeutic targets (This dissertation).
3. Fetal and adult epicardial derived cells, albeit both cobble at the outside, are at different steps along the epithelial to mesenchymal axis (This dissertation).
4. Being considered an endothelial marker for decades, Endoglin plays an important role in epicardial behavior (This dissertation).
5. To restore the contractile force of the heart after injury, we need its stem cells.
6. Environment and surroundings determine how you develop: we cannot expect cardiac stem cells to simply differentiate in a culture dish.
7. The epicardium plays a significant role in supporting the injured myocardium and therefore, targeting this layer is a promising therapy.
8. To understand the regenerative potential of cardiac progenitor cells and epicardial derived cells, we should come to know their origin by building a progenitor pedigree and identifying the branch they occupy.
9. The ocean we call research is so much deeper than we think.