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Human embryonic stem cell-derived cardiovascular progenitor cells efficiently colonize in bFGF-tethered natural matrix to construct contracting humanized rat hearts

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PII: S0142-9612(17)30720-2

DOI: 10.1016/j.biomaterials.2017.10.054

Reference: JBMT 18336

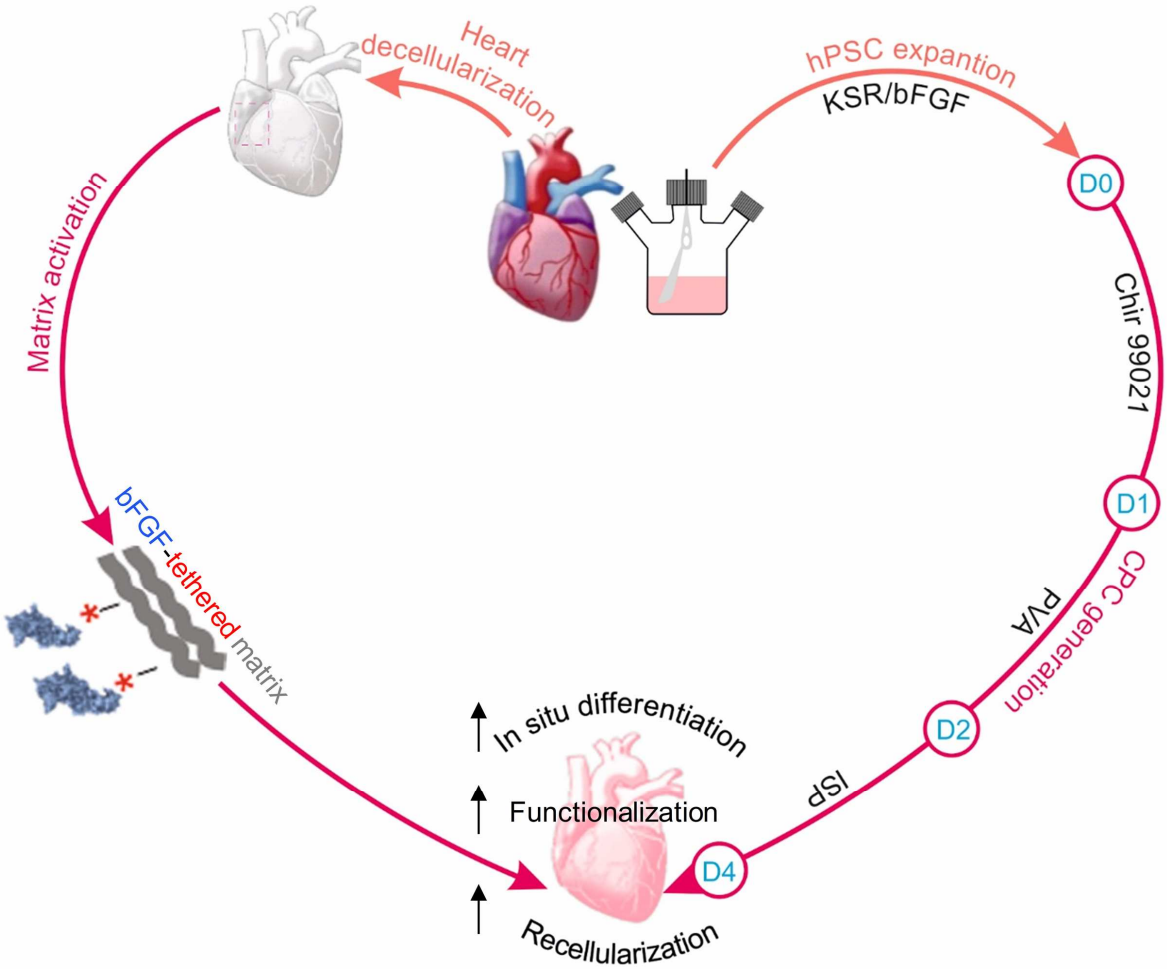
To appear in: *Biomaterials*

Received Date: 17 August 2017

Revised Date: 27 October 2017

Accepted Date: 30 October 2017

Please cite this article as: Rajabi S, Pahlavan S, Ashtiani MK, Ansari H, Abbasalizadeh S, Sayahpour FA, Varzideh F, Kostin S, Aghdami N, Braun T, Baharvand H, Human embryonic stem cell-derived cardiovascular progenitor cells efficiently colonize in bFGF-tethered natural matrix to construct contracting humanized rat hearts, *Biomaterials* (2017), doi: 10.1016/j.biomaterials.2017.10.054.


Heart
decellularization
hPSC expantion
KSR/bFGF
D0
Chir 99021
D1
CPC generation
PVA
D2
ISP
D4
In situ differentiation
Functionalization
Recellularization
Matrix activation
bFGF-tethered matrix