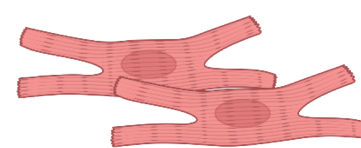


**A**hiPSC  
technology

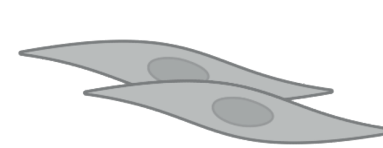
Somatic cells

hiPSCs

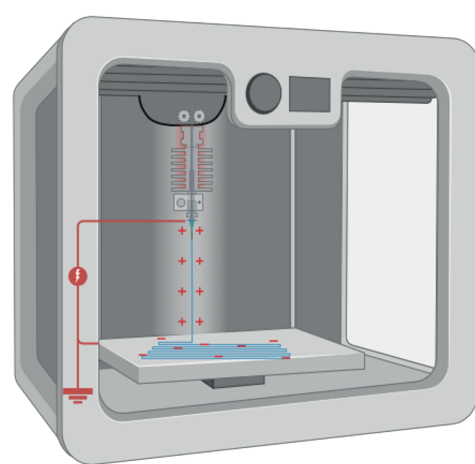
Differentiation to cardiac cell phenotypes



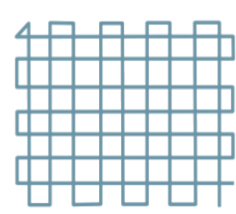
hiPSC-CMs



hiPSC-CFs

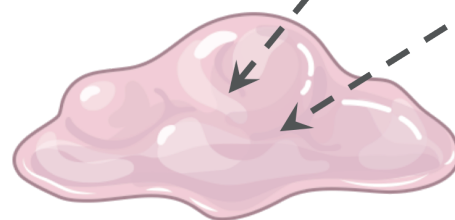
Functional multi-phenotype cardiac  
minitissues generation

MEW printer



PCL scaffolds

+

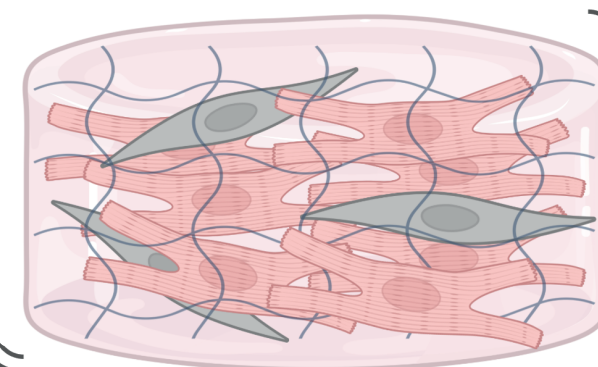
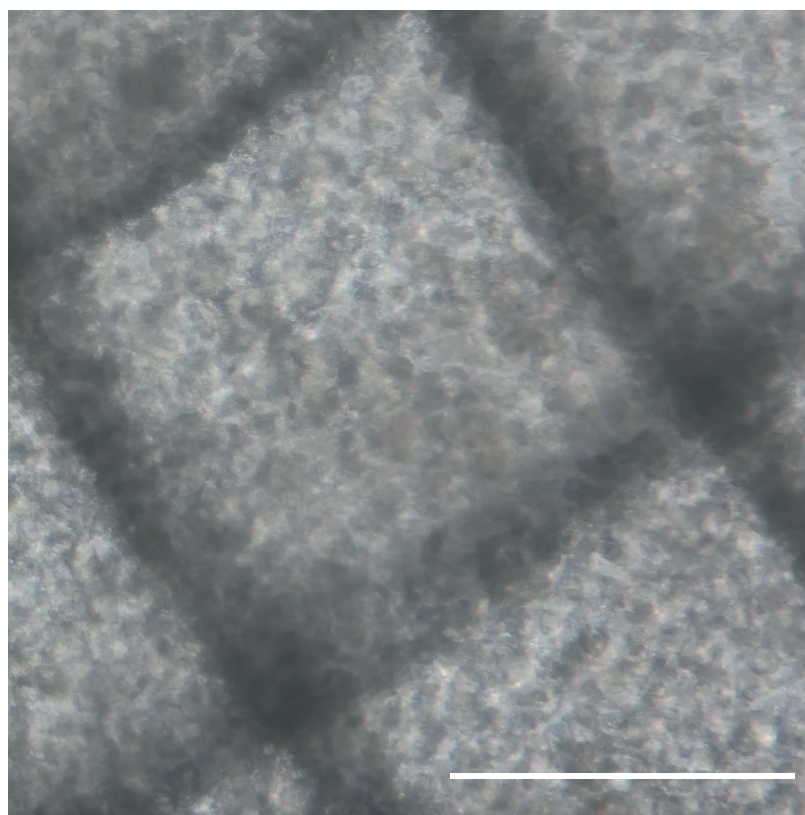
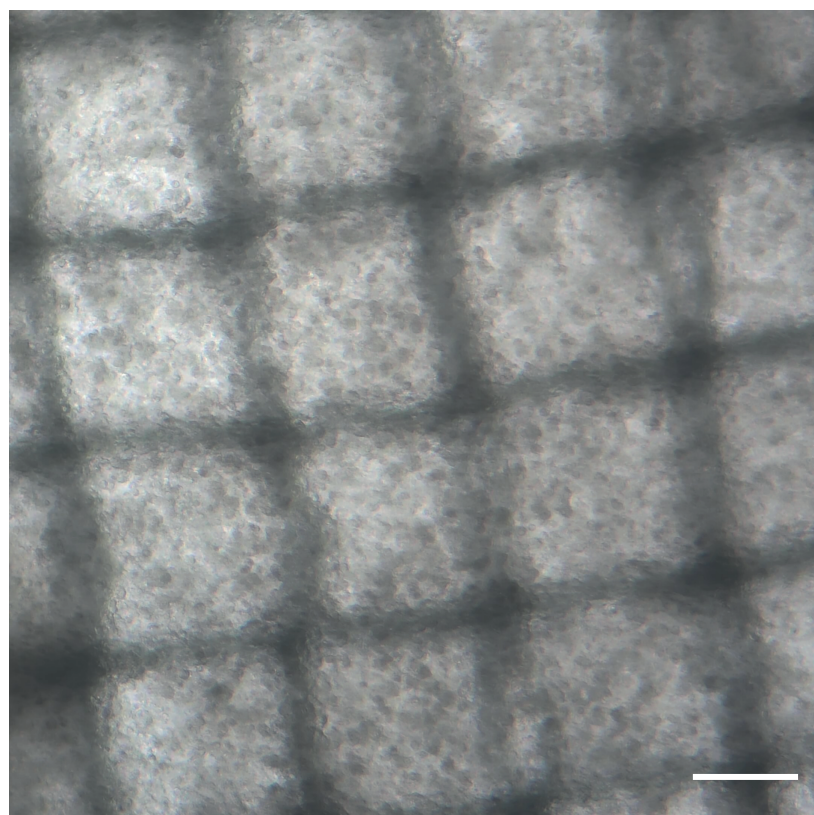
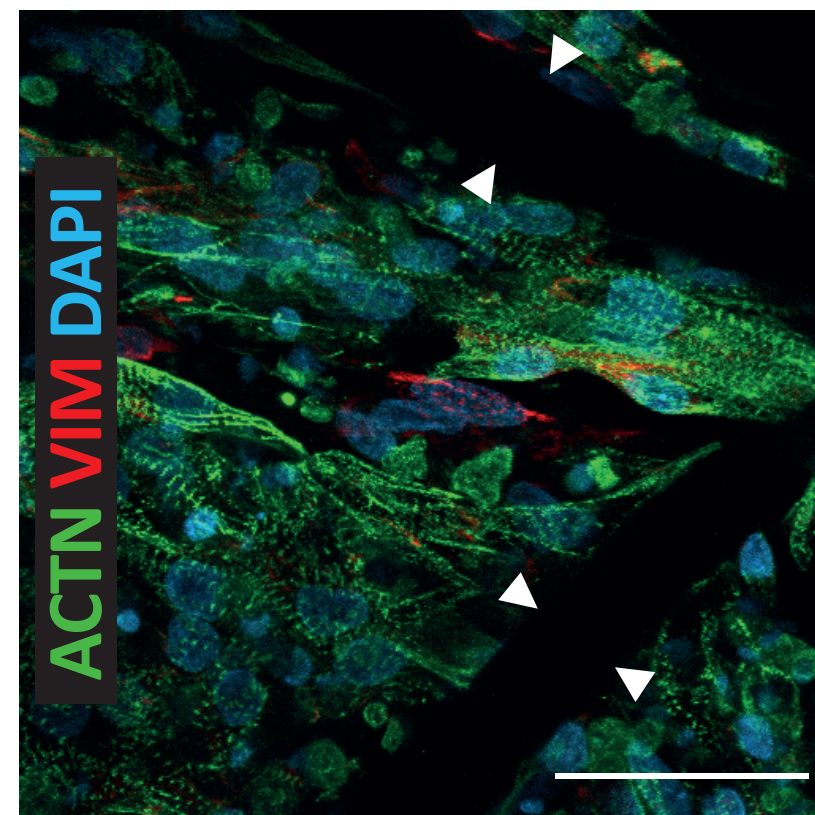
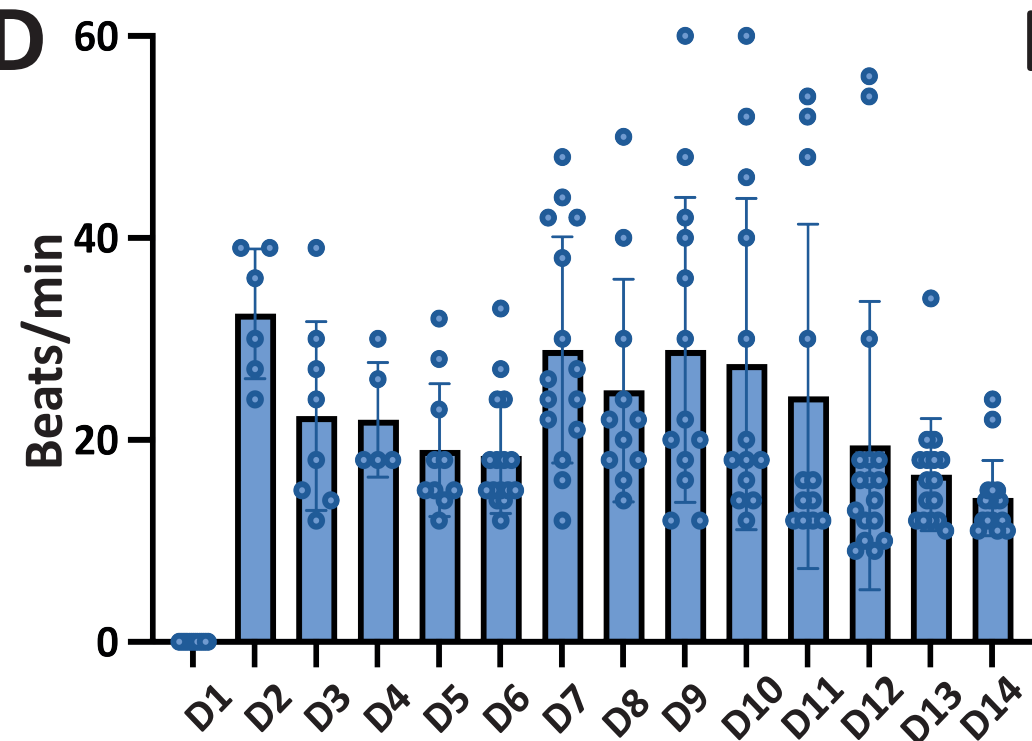
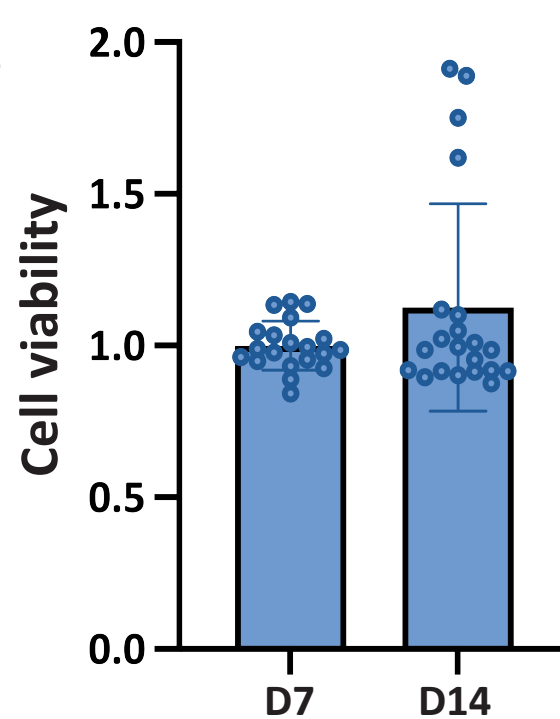


Fibrin hydrogel

80%

+

20%

3D human cardiac  
minitissue**B****C****D****E****F**