Biomaterials Science

ROYAL SOCIETY OF CHEMISTRY

CORRECTION

View Article Online
View Journal | View Issue

Cite this: *Biomater. Sci.*, 2022, **10**, 6628

DOI: 10.1039/d2bm90083a

rsc.li/biomaterials-science

Correction: Interrogating cardiac muscle cell mechanobiology on stiffness gradient hydrogels

Ian L. Chin, [a] Livia Hool [a,b] and Yu Suk Choi *[a]

Correction for 'Interrogating cardiac muscle cell mechanobiology on stiffness gradient hydrogels' by Ian L. Chin *et al.*, *Biomater. Sci.*, 2021, **9**, 6795–6806, https://doi.org/10.1039/D1BM01061A.

The authors regret that an incorrect panel was inserted into Fig. 5 in the original manuscript. The correct Fig. 5 is as shown here.

[a]*School of Human Sciences, The University of Western Australia, Perth, WA, Australia. E-mail: yusuk.choi@uwa.edu.au*
[b]*Victor Chang Cardiac Research Institute, Sydney, NSW, Australia*

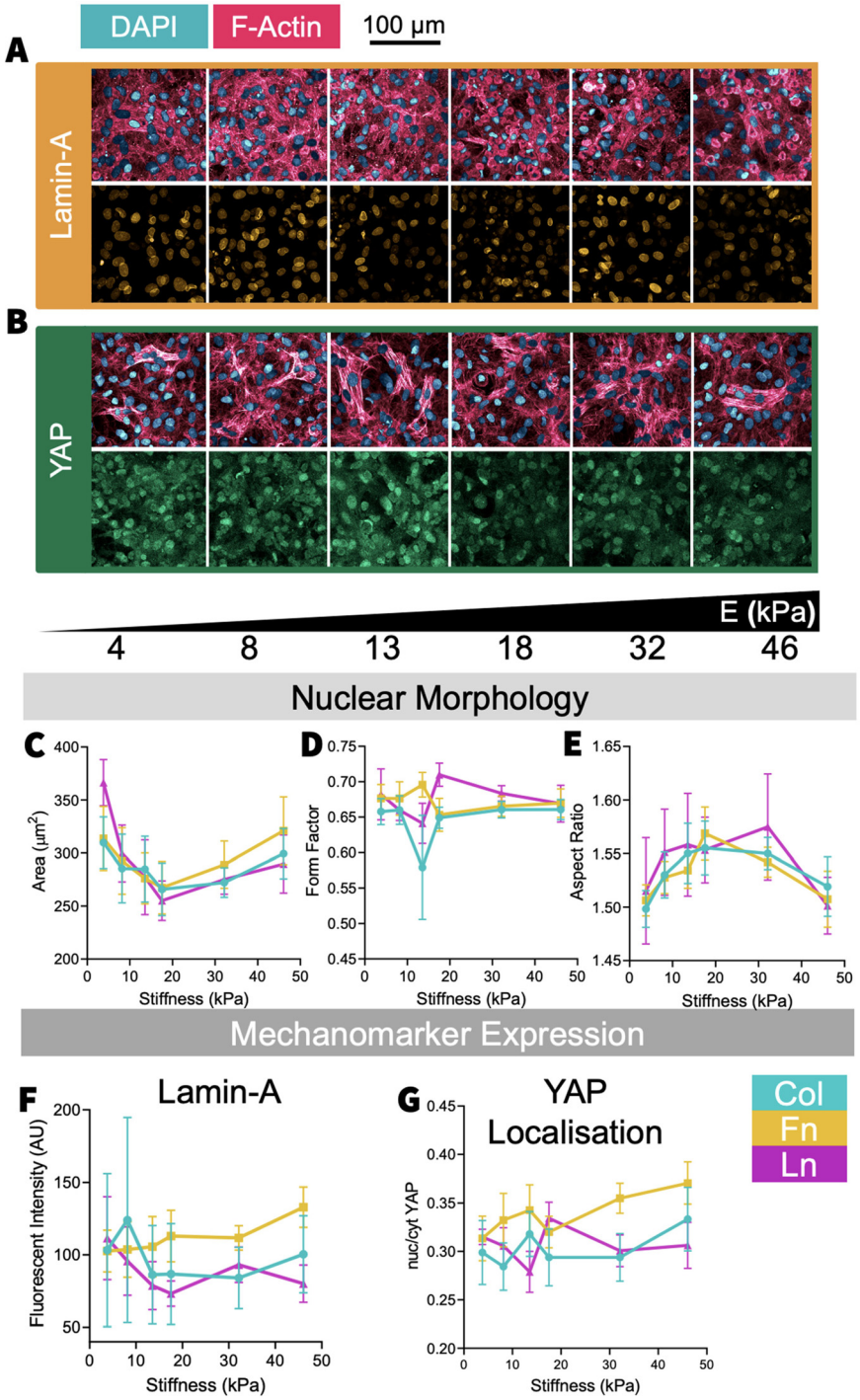

Fig. 5 Morphology and mechanomarker expression in neonatal rat cardiomyoctes (NRCMs). Representative immunofluorescent images of NRCMs cultured on Col-coated substrates, stained for DAPI, F-actin and (A) Lamin-A or (B) YAP. (C) Analysis DAPI stain did not reveal any significant relationships between substrate stiffness and nuclei size (Pearson's correlation Col – R^2 = 0.01, $P > 0.05$, n = 5; Fn R^2 = 0.10, $p > 0.05$, n = 7; Ln R^2 = 0.20, $P > 0.05$, n = 5), (D) substrate stiffness and nuclei form factor (Pearson's correlation Col – R^2 = 0.06, $P > 0.05$, n = 5; Fn R^2 = 0.11, $p > 0.05$, n = 7; Ln R^2 = 0.01, $P > 0.05$, n = 5) and (E) substrate stiffness and nuclei aspect ratio (Pearson's correlation Col – R^2 = 0.02, $P > 0.05$, n = 5; Fn R^2 = 0.01, $p > 0.05$, n = 7; Ln R^2 = 0.01, $P > 0.05$, n = 5). (F) A positive correlation was observed between Lamin-A expression and stiffness for cells cultured on Fn coated hydrogels, but not on Col or Ln coated hydrogels (Pearson's correlation, Col – R^2 = 0.11, $P > 0.05$, n = 4; Fn – R^2 = 0.85, $P < 0.05$, n = 5; Ln – R^2 = 0.21, $P > 0.05$, n = 5). (G) Similarly, YAP was increasingly nuclear localised with increasing stiffness on cells cultured on Fn-coated hydrogels but not Col- or Ln-coated hydrogels (Pearson's correlation, Col – R^2 = 0.37, $P > 0.05$, n = 4; Fn – R^2 = 0.79, $P < 0.05$, n = 5; Ln – R^2 = 0.004, $P > 0.05$, n = 5). All graphs show mean ± SEM.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.