

CORRECTION

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Correction: Interrogating cardiac muscle cell mechanobiology on stiffness gradient hydrogels

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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.

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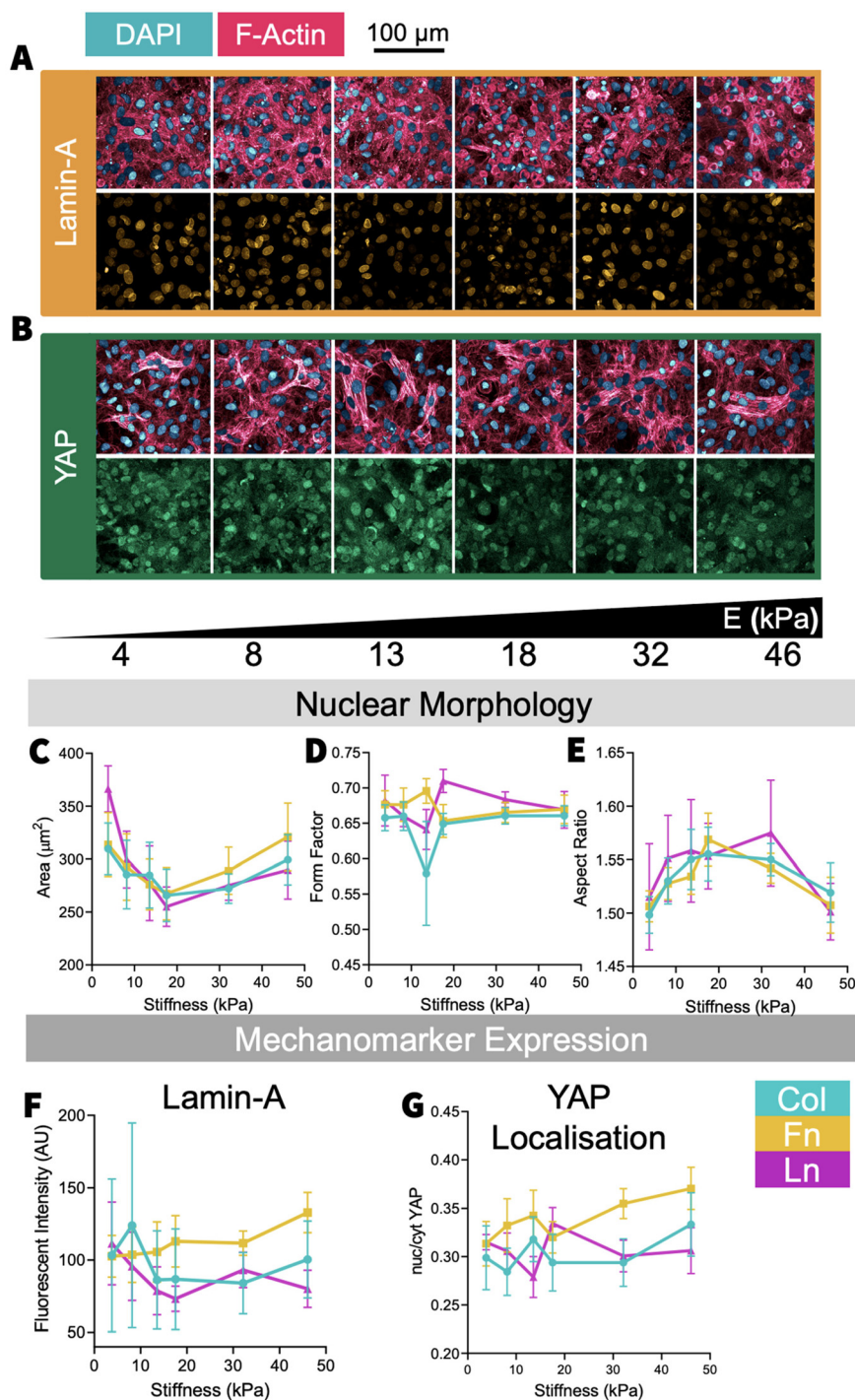


Fig. 5 Morphology and mechanomarker expression in neonatal rat cardiomyocytes (NRCMs). Representative immunofluorescent images of NRCMs cultured on Col-coated substrates, stained for DAPI, F-actin and (A) Lamin-A or (B) YAP. (C) Analysis DAPI stain did not reveal any significant relationships between 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 \pm SEM.

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

