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Correction for New perspectives of the cardiac cellular landscape: mapping cellular mediators of cardiac fibrosis using single-cell transcriptomics

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This is a correction to Krstevski, C., Cohen, C.D., Dona, M.S.I. and Pinto, A.R. (2020) New perspectives of the cardiac cellular landscape: mapping cellular mediators of cardiac fibrosis using single-cell transcriptomics. *Biochem. Soc. Trans.* **48**, 2483–2493. 10.1042/BST20191255

Following publication of the above article, the authors noticed a citation was missing from the revised article resulting in errors in Table 1, where the reference numbers associated with studies summarised in the table are incorrect.

The authors apologise for the error and would like to correct the record by including a citation to the following paper as no. 101:

> Gladka MM, Molenaar B, de Ruiter H, van der Elst S, Tsui H, Versteeg D, et al. Single-Cell Sequencing of the Healthy and Diseased Heart Reveals Cytoskeleton-Associated Protein 4 as a New Modulator of Fibroblasts Activation. Circulation. 2018 Jul 10;138(2):166–180.

And updating the reader to the corrected table below:

Table 1. Single-cell transcriptomic studies investigating cellular and molecular drivers of cardiac fibrosis in heart failure Part 1 of 2

Context	Reference	Cells	Mean Reads/ cell	Technology	Notes and key findings
Mouse myocardial infarction	(101)	426	16,874	Sort-Seq	• 3-days post-MI and sham control mice • *n* = 3/group. • *Ckap4* proposed as a novel driver of myofibroblast differentiation.
Mouse myocardial infarction	(62)	13,331	~35,000	10X Chromium	• 3- and 7-days post-MI and sham control. • *n*=1/time point/group. • Identified heterogeneous fibroblast and myofibroblast subsets involved in fibrosis.
Mouse hypertension (Angiotensin II infusion)	(56)	29,615	~80,000	10X Chromium	• 2 weeks AngII-induced experimental hypertension and control mice. • n=4/sex/group. • Novel fibroblasts Fibro-*Cilp and* Fibro-*Thbs4* implicated in AngII-induced fibrosis. • Almost all cardiac cell types contribute to ECM remodeling after AngII treatment. • Extensive cell and sex-specific gene expression patterns in the non-stressed and stressed hearts.

Continued

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Table 1. Single-cell transcriptomic studies investigating cellular and molecular drivers of cardiac fibrosis in heart failure Part 2 of 2

Context	Reference	Cells	Mean Reads/ cell	Technology	Notes and key findings
Mouse myocardial infarction	(66)	36,874	~46,000	10X Chromium	• 1, 3, 5, 7, 14- and 28-days post-MI and sham control. • *n*= ~3/group. • Identified heterogeneous fibroblast and myofibroblast subsets involved in fibrosis. • Early differentiation of myofibroblasts are associated with cardiac rupture.
Healthy and heart failure human patients	(100)	21,422	~300,000 (Median reads/ cell)	iCell8	• Healthy organ donors and patients with HF. • *n*=14 healthy controls, 8 HF patients. • Endothelial cells and fibroblasts are key players in cellular crosstalk in progression of HF.