ERRATUM

Erratum to: Induction of initial steps of angiogenic differentiation and maturation of endothelial cells by pericytes in vitro and the role of collagen IV

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Published online: 2 April 2016
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Erratum to: Histochem Cell Biol DOI 10.1007/s00418-015-1398-z

Unfortunately, Figs. 5 and 6 are interchanged in the available online version. Therefore, the figure linked to legend ‘Fig. 6’ represents Fig. 5 and is described in the text and legend as ‘Fig. 5’. Vice versa, the figure linked to legend ‘Fig. 5’ represents Fig. 6 and is described in the text and legend as ‘Fig. 6’.

The legend for Fig. 6 reads as: “Bar 100 μ m. d An individual PVC is recruited to the endothelial tube in a region of extended collagen IV deposits”. The correct text is: “An individual PVC is recruited to the endothelial tube in a region of extended collagen IV deposits”.

We apologize for these errors.

The corrected Figs. 5 and 6 and their legends are given below.

The online version of the original article can be found under doi:[10.1007/s00418-015-1398-z](https://doi.org/10.1007/s00418-015-1398-z).

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Fig. 5 Pericyte-like vascular cells attach and proliferate differently on various ECM proteins, and integrin $\alpha 1\beta 1$ mediates adhesion to collagen IV. **a, b** Attachment of PVC and HUVEC on surfaces coated with collagen I (Col1, 1.25–80 $\mu\text{g/ml}$) and IV (Col4, 0.15–10 $\mu\text{g/ml}$), fibronectin (FN, 0.15–10 $\mu\text{g/ml}$) and laminin 1 (LN-1, 1.25–80 $\mu\text{g/ml}$). **c, d** Adhesion of PVC and HUVEC to collagen IV (Col4; *black*) can be specifically blocked by neutralizing antibodies for integrin $\alpha 1$ (anti- $\alpha 1$), but not by anti- $\alpha 2$ or the IgG isotype control. Adhesion to fibronectin (FN; *white*) is not affected by any neutralizing antibody. Data are expressed as mean $\pm$ SD, $n = 5$

Fig. 6 Collagen IV is expressed by endothelial cells as extended networks, which contribute to PVC recruitment. Cocultures of HUVEC and PVC were immunostained for **(a)** collagen type IV (Col4, green) or **(b)** nidogen-1 (Nid1, green) in combination with CD31 (red), respectively. Tube-associated continuous matrix layers (*open arrowhead*) as well as an extended collagen IV mesh (*filled arrowhead*) can be seen, which is also decorated by nidogen-1. PVC (*arrows*) are

indicated by the nuclear stain (*blue*) but do not express collagen IV. *Bar* 50 μ m. **c** The mouse integrin $\alpha 2$ subunit (mIntegrin $\alpha 2$, red) is detected in PVC, which interact with forming tubes marked by collagen IV (Col4, green) and CD31 (magenta). An individual PVC is recruited to the endothelial tube in a region of extended collagen IV deposits. *Bar* 50 μ m. *Merged* pictures include nuclear staining (*blue*)