



Correction: A gut–brain axis on-a-chip platform for drug testing challenged with donepezil

Cite this: DOI: 10.1039/d5lc90130h

Francesca Fanizza,^a Simone Perottoni,^a Lucia Boeri,^a Francesca Donnalaja,^a
Francesca Negro,^a Francesca Pugli,^a Gianluigi Forloni,^b
Carmen Giordano^{*a} and Diego Albani^b

DOI: 10.1039/d5lc90130h

rsc.li/loc

Correction for ‘A gut–brain axis on-a-chip platform for drug testing challenged with donepezil’ by Francesca Fanizza *et al.*, *Lab Chip*, 2025, 25, 1854–1874, <https://doi.org/10.1039/D4LC00273C>.

The authors regret an error in Fig. 10a, where the same image was used for both the gut and liver images. The figure has been corrected to:

In addition, the last sentence in the section “Evaluation of donepezil biologic effects on individual OOC of the platform”, beginning with “The endothelial cells in the...” is replaced with:

“The endothelial cells seemed to align along the direction of fluid flow, as evidenced by zonulin-1 (ZO-1) staining, and were viable as demonstrated by the MTS assay”.

An independent expert has viewed the corrected image and text, and has concluded that they are consistent with the discussions and conclusions presented.

^a Department of Chemistry, Materials and Chemical Engineering ‘Giulio Natta’, Politecnico di Milano, Milan, Italy. E-mail: carmen.giordano@polimi.it

^b Department of Neuroscience, Istituto di Ricerche Farmacologiche Mario Negri IRCCS, Milan, Italy



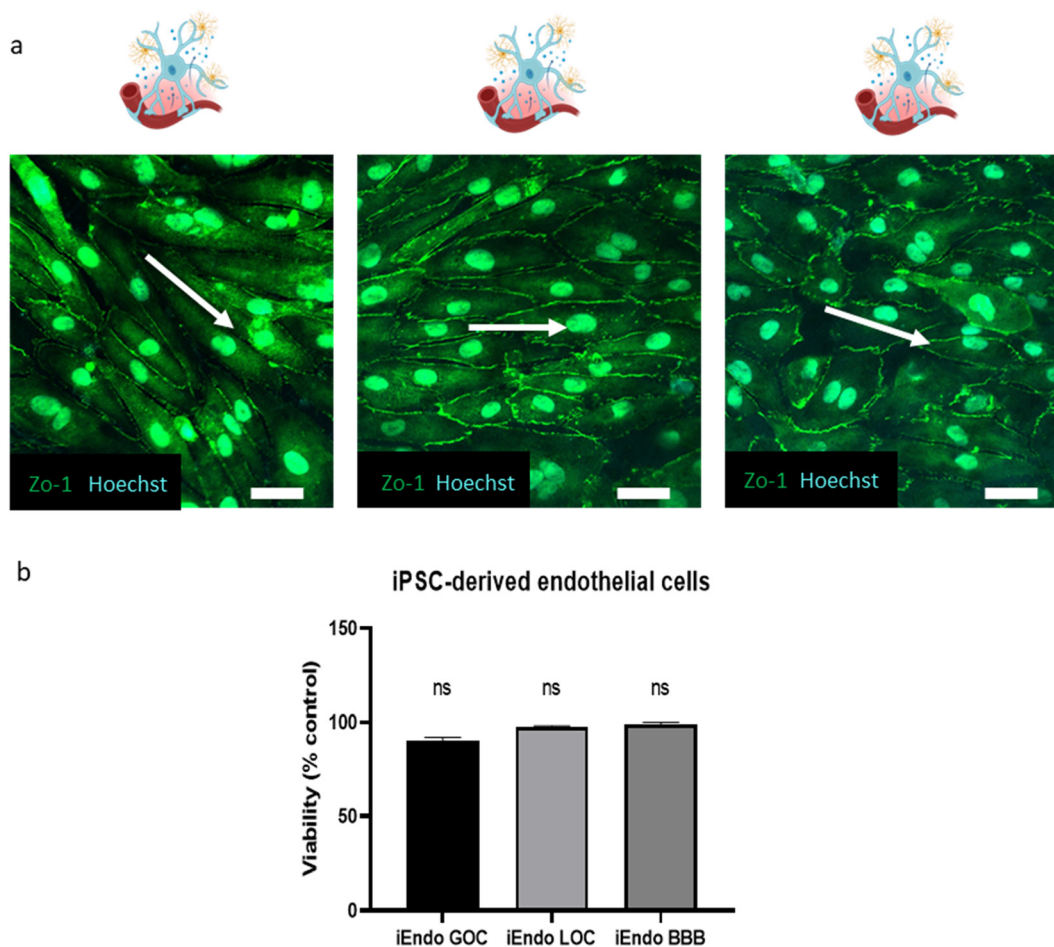


Fig. 10 (a) Z-Stack projection of immunofluorescence confocal microscopy images of endothelial cells in the BBB OOCs in the perfused conditions; green = ZO-1 and blue = Hoechst nuclear staining. Magnification: 40 \times . Scale bar: 50 μ m. White arrows show the direction of fluid flow. (b) Cell viability with respect to the untreated conditions (control) of endothelial cells in the gut, liver and BBB OOCs measured with the MTS assay. ns $p > 0.05$ Mann-Whitney test was conducted for each group compared to the respective non-treated control.

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

