

Author Correction: Central role for PICALM in amyloid- β blood-brain barrier transcytosis and clearance

Correction to: *Nature Neuroscience*
<https://doi.org/10.1038/nn.4025>,
published online 25 May 2015.

<https://doi.org/10.1038/s41593-023-01509-y>

Published online: 20 November 2023

Zhen Zhao, Abhay P. Sagare, Qingyi Ma, Matthew R. Halliday, Pan Kong, Cassandra Kisler, Ethan A. Winkler, Anita Ramanathan, Takahisa Kanekiyo, Guojun Bu, Nelly Chuqui Owens, Sanket V. Rege, Gabriel Si, Ashim Ahuja, Donghui Zhu, Carol A. Miller, Julie A. Schneider, Manami Maeda, Takahiro Maeda, Tohru Sugawara, Justin K. Ichida & Berislav V. Zlokovic

In the version of the article initially published, there were errors in the main text and Supplementary Figures; original and updated figures are shown in the Supplementary Information accompanying this amendment.

The published β 3-tubulin blots shown in Fig. 1b are in error. When preparing Fig. 1b, copies of the vWF blots were incorrectly placed into the positions labeled for β 3-tubulin. The raw original blots for vWF and β 3-tubulin were correctly included in Supplementary Fig. 14. We have replaced the β 3-tubulin blots in Fig. 1b using their correct raw original blots as shown originally in Supplementary Fig. 14.

The PICALM blot in Fig. 1b for microvessel-depleted brain samples is in error, as is its corresponding raw original blot shown in Supplementary Fig. 14. An incorrect blot scan was mistakenly used for the microvessel-depleted brain PICALM blots in Fig. 1b. We also made a mistake in Supplementary Fig. 14, as the corresponding raw original blot for PICALM microvessel-depleted brain was incorrect. The PICALM microvessel-depleted brain blot in Fig. 1b and corresponding full blot in Supplementary Fig. 14 have been updated with the correct PICALM blot. We also performed a quantification analysis with the new correct microvessel-depleted brain PICALM blots used to correct Fig. 1b, and obtained results similar to those originally reported in Fig. 1c. We have updated the graph in Fig. 1c. Therefore, this correction did not change the overall results of Fig 1b,c or scientific conclusions of the paper.

There are mismatches between Fig. 7i (the Rab11 blot), the Fig. 7l,m blots, and their corresponding original blots shown in Supplementary Fig. 14. These mismatches may have occurred because one of our investigators included versions of these blots from different replicate experiments for the published Fig. 7i,l,m. To avoid confusion, we replaced the mismatched blots in Fig. 7i,l,m with the original blots taken from Supplementary Fig. 14. This correction did not change the results of Fig. 7i,l,m or scientific conclusions of the paper.

Full blots for Fig. 2b were inadvertently omitted from Supplementary Fig. 14, which has been updated to include these blots. Also, there was some confusion whether the dashed boxes marking the blots in Supplementary Fig. 14 reflected the approximate locations of the bands cropped for presentation in Fig. 5i. We have updated the locations of the dashed boxes in Supplementary Fig. 14 to better reflect the approximate band locations.

Importantly, these errors did not affect the results or scientific conclusions of the paper in any way. The authors sincerely apologize for these inadvertent errors.

Supplementary information is available in the online version of the article.

Additional information

Supplementary information The online version contains supplementary material available at <https://doi.org/10.1038/s41593-023-01509-y>.

© The Author(s), under exclusive licence to Springer Nature America, Inc. 2023