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# Author Correction: Nox2 dependent redox-regulation of microglial response to amyloid- $\beta$ stimulation and microgliosis in aging

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Correction to: *Scientific Reports* <https://doi.org/10.1038/s41598-020-58422-8>, published online 31 January 2020

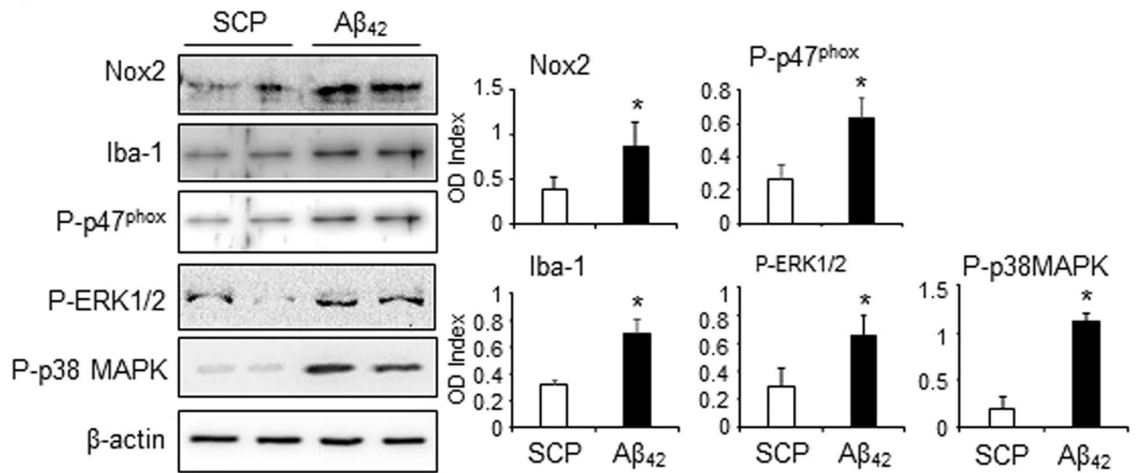
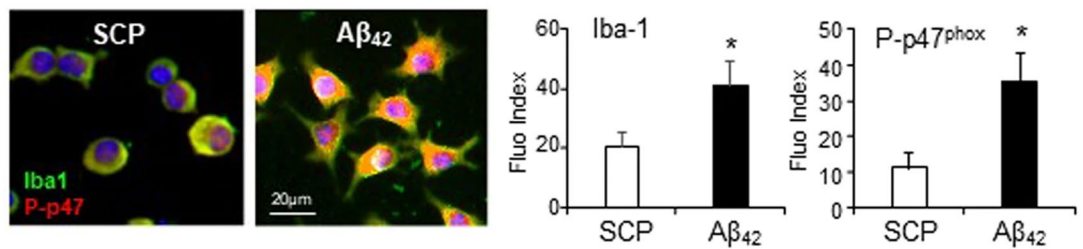
The original version of this Article contained an error in Figure 3, panel A, where the P-p47<sup>phox</sup> immunoblot was inadvertently duplicated from the Iba-1 immunoblot. The original Figure 3 and accompanying legend appear below.

Furthermore, the Supplementary Information file published with this Article contained an error, where the raw data of the Phos-p47<sup>phox</sup> immunoblot was an inadvertent duplication of the Iba-1 raw data immunoblot (both shown in Figure 3, panel A). In addition, the raw data for Figure 4, panel C was omitted from the Supplementary Information file. The original Supplementary Information file is provided below.

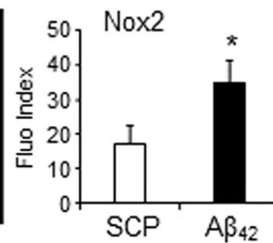
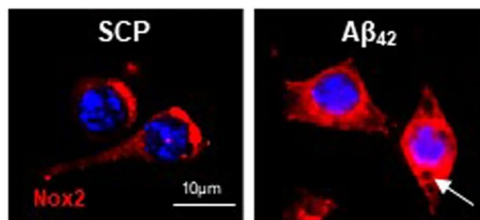
The original Article and accompanying Supplementary Information file have been corrected.

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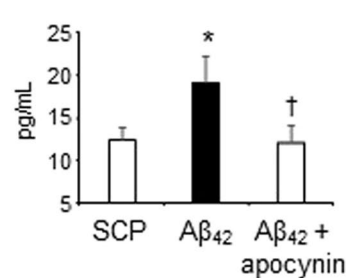
## A) Western blots

B) p47<sup>phox</sup> phosphorylation

## C) Nox2 expression



## D) IL-1β secretion



**Figure 3.** Aβ<sub>42</sub>-induced Iba-1 and Nox2 expression, the activation of stress-signalling pathways and IL-1β secretion by BV2 cells. (A) Western blots. Optical densities (ODs) of protein bands were quantified and normalized to β-actin (loading control) detected in the same sample. (B) p47<sup>phox</sup> phosphorylation (red) was detected using a phosphorylation specific antibody against p47<sup>phox</sup> (Ser359) and double stained with antibody against Iba-1 (green) by immunofluorescence. (C) Nox2 expression (red) detected by immunofluorescence. Nuclei were labelled by DAPI (blue) to visualise the cells. Fluorescence intensities were quantified, and expressed as index against controls without primary antibody. (D) IL-1β detected in the culture media by ELISA. n = 5 independent cell cultures. \*P < 0.05 for indicated values versus SCP values. †P < 0.05 for indicated values versus Aβ<sub>42</sub> values.

## Additional information

**Supplementary Information** The online version contains supplementary material available at <https://doi.org/10.1038/s41598-023-31194-7>.



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