


RETRACTION NOTE

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# Retraction Note: Aging exacerbates the brain inflammatory micro-environment contributing to $\alpha$ -synuclein pathology and functional deficits in a mouse model of DLB/PD

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The Editors have retracted this article. After publication, concerns were raised regarding image overlap in the figures. Specifically:

- Fig. 3g  $\alpha$ -syn pff Striatum 1 and 2 appear to overlap;
- Fig. 3e Vehicle Neocortex 3, Amygdala 3 and Striatum 1 (aged mice) appear to overlap with Fig. 4a Vehicle

Neocortex, Amygdala and Striatum CD3, respectively (young mice);

- Fig. 4a  $\alpha$ -syn monomer Neocortex and  $\alpha$ -syn pff Amygdala Iba-1 images appear to overlap;
- Fig. 4a Vehicle and  $\alpha$ -syn monomer Neocortex GFAP images appear to overlap;
- Fig. 5c Vehicle Neocortex 1 and 3 appear to overlap;
- Fig. 5e and g all  $\alpha$ -syn pff Striatum images appear to be the same;
- Fig. 5e  $\alpha$ -syn pff Striatum 1 and Amygdala 2 images appear to overlap;
- Fig. 5g Vehicle Striatum 1 and 3 appear to overlap;
- Similarly, there appear to be a number of cases of overlap between different samples or groups in the Supplementary figures.

The authors have stated that incorrect images were included in the article by mistake and provided the raw data for validation. However, further checks by the publisher found highly similar images between the raw data provided for different groups or experiments.

The Editors therefore no longer have confidence in the presented data.

The authors have agreed to this retraction, but not the wording of this retraction notice.

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<sup>†</sup>Jyoti Misra Sen, Ranjan Sen and Eliezer Masliah are equally contributed to the concept design and orchestration of the research program.

The original article can be found online at <https://doi.org/10.1186/s13024-022-00564-6>.

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