RETRACTION NOTE

Open Access

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

Michiyo Iba^{1†}, Ross A. McDevitt^{2†}, Changyoun Kim¹, Roshni Roy³, Dimitra Sarantopoulou³, Ella Tommer³, Byron Siegars^{3,4}, Michelle Sallin⁴, Somin Kwon¹, Jyoti Misra Sen^{4,5†}, Ranjan Sen^{3,5†} and Eliezer Masliah^{1,6*†}

Retraction Note: Molecular Neurodegeneration 17, 60 (2022)

https://doi.org/10.1186/s13024-022-00564-6

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

- Fig. 3g α-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

[†]Michiyo Iba and Ross A. McDevitt are co-first authors.

[†]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.

*Correspondence:

Eliezer Masliah

eliezer.masliah@nih.gov

- ¹ Laboratory of Neurogenetics, Molecular Neuropathology Section, National Institute On Aging, National Institutes of Health, Bethesda, MD 20892, USA
- ² Mouse Phenotyping Unit, Comparative Medicine Section, National Institute On Aging, National Institutes of Health, Baltimore, MD 21224, USA
- ³ Laboratory of Molecular Biology and Immunology, National Institute On Aging, National Institutes of Health, Baltimore, MD 21224, USA
- ⁴ Laboratory of Clinical Investigation, National Institute On Aging, National Institutes of Health, Baltimore, MD 21224, USA
- ⁵ Immunology Program, Department of Medicine, Johns Hopkins School of Medicine, Baltimore, MD 21224, USA
- ⁶ Division of Neuroscience, National Institute On Aging, National Institutes of Health, Bethesda, MD 20814, USA

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

- Fig. 4a a-syn monomer Neocortex and a-syn pff Amygdala Iba-1 images appear to overlap;
- Fig. 4a Vehicle and α-syn monomer Neocrtex GFAP images appear to overlap;
 - Fig. 5c Vehicle Neocortex 1 and 3 appear to overlap;
- \bullet Fig. 5e and g all $\alpha\text{-syn}$ pff Striatum images appear to be the same;
- Fig. 5e a-syn pff Stiatum 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.

Published online: 16 October 2024



© The Author(s) 2024. **Open Access** This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons licence, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons licence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons licence and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit http://creativeccommons.org/licenses/by/4.0/. The Creative Commons Public Domain Dedication waiver (http://creativeccommons.org/publicdomain/zero/1.0/) applies to the data made available in this article, unless otherwise stated in a credit line to the data.