OPEN

Author Correction: Sex differences in dendritic spine density and morphology in auditory and visual cortices in adolescence and adulthood

Emily M. Parker, Nathan L. Kindja, Claire E. J. Cheetham & Robert A. Sweet

Correction to: *Scientific Reports* <https://doi.org/10.1038/s41598-020-65942-w>, published online 10 June 2020

The original version of this Article contained errors.

In the Results section, under the subheading ‘Dendritic spine density is lower in females’,

“In contrast to this prediction, ANCOVA ($\alpha=0.05$) revealed a highly significant decrease in DSD of neurons from female, compared to male mice ($F=14.838$, $DF=1$, $p<0.001$) in A1, A2, V1, V2 and TeA.”

now reads:

“In contrast to this prediction, ANCOVA ($\alpha=0.05$) revealed a highly significant decrease in DSD of neurons from female, compared to male mice ($F=14.838$, $DF=3$, $p<0.001$) in A1, A2, V1, V2 and TeA.”

Additionally, in the legend of Figure 1,

“(A) DSD is significantly reduced in female, compared to male mice ($F=14.838$, $DF=1$, $p<0.001$).”

now reads:

“(A) DSD is significantly reduced in female, compared to male mice ($F=14.838$, $DF=3$, $p<0.001$).”

Furthermore, in the Discussion,

“Despite no apparent sex difference in DSD in schizophrenia in A1 in adult postmortem tissue, sex differences are well described in schizophrenia including mean age of onset and clinical presentation of symptoms^{74,75}.”

now reads:

“Despite no apparent sex difference in DSD in schizophrenia in A1 in adult postmortem tissue, sex differences are well described in schizophrenia including mean age of onset and clinical presentation of symptoms^{74,75}.”

Finally, References 76–81 were incorrectly listed as References 68–73, Reference 83 was incorrectly listed as Reference 74, Reference 71 was incorrectly listed as Reference 75, and Reference 82 was incorrectly listed as Reference 76.

In addition, References 68–70 and 72–75 were incorrectly omitted and are listed below:

Published online: 12 November 2020

- 68 Hackett, T. A. Anatomical organization of the auditory cortex. *Journal of the American Academy of Audiology* **19**, 774–779 (2008).
- 69 Homman-Ludiye, J. & Bourne, J. A. Mapping arealisation of the visual cortex of non-primate species: lessons for development and evolution. *Frontiers in Neural Circuits* **8**, <https://doi.org/10.3389/fncir.2014.00079> (2014).
- 70 McKinney, B. C. *et al.* Density of small dendritic spines and microtubule-associated-protein-2 immunoreactivity in the primary auditory cortex of subjects with schizophrenia. *Neuropsychopharmacology* **44**, 1055–1061 (2019).
- 72 Sweet, R. A., Hentleff, R. A., Zhang, W., Sampson, A. R. & Lewis, D. A. Reduced dendritic spine density in auditory cortex of subjects with schizophrenia. *Neuropsychopharmacology* **34**, 374–398 (2009).
- 73 Shelton, M. A. *et al.* Loss of microtubule-associated protein 2 immunoreactivity linked to dendritic spine loss in schizophrenia. *Biological Psychiatry* **78**, 374–385 (2015).
- 74 Leung MD, D. A. & Chue MRC Psych, D. P. Sex differences in schizophrenia, a review of the literature. *Acta Psychiatrica Scandinavica* **101**, 3–38 (2000).
- 75 *Diagnostic and statistical manual of mental disorders: DSM-5**. Arlington, VA: American Psychiatric Association (2013).

These errors have now been corrected in the HTML and PDF versions of the Article.

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://creativecommons.org/licenses/by/4.0/>.

© The Author(s) 2020