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# Author Correction: A morphological analysis of activity-dependent myelination and myelin injury in transitional oligodendrocytes

Eszter Toth, Sayed Muhammed Rassul , Martin Berry &amp; Daniel Fulton

Correction to: *Scientific Reports* <https://doi.org/10.1038/s41598-021-88887-0>, published online 05 May 2021

The original version of this Article contained errors in Figure 5, where data and statistical results shown in panels C and D were based on a previous analysis which did not reflect the aggregation of image data points to individual brain slices.

As a result, the legend of Figure 5

“Sustained inhibition of neuronal activity reduces myelination of cerebellar white matter. (A,B) Maximum projection images from representative control (A) and TTX (B) treated cerebellar slices showing immunofluorescent signals for anti-NF200 (Ai,Bi) anti-MBP (Aii,Bii), and co-localisations used to quantify myelination (Aiii,Biii). (C) Quantification of anti-NF200 signals. Mean NF200 pixel fraction is reduced by TTX (Control  $20.4 \pm 0.5$ , TTX  $17.7 \pm 0.5$ ). (D) Average MBP/NF200 ratios normalized against the NF200 signal are significantly reduced by TTX (Control  $0.4 \pm 0.02$ , TTX  $0.29 \pm 0.02$ ). Scale bars in (A) and (B)  $20 \mu\text{m}$ . \* and \*\*\* Significance  $P < 0.05$  and  $P < 0.001$ , respectively. Data expressed as means  $\pm$  SEM.”

now reads:

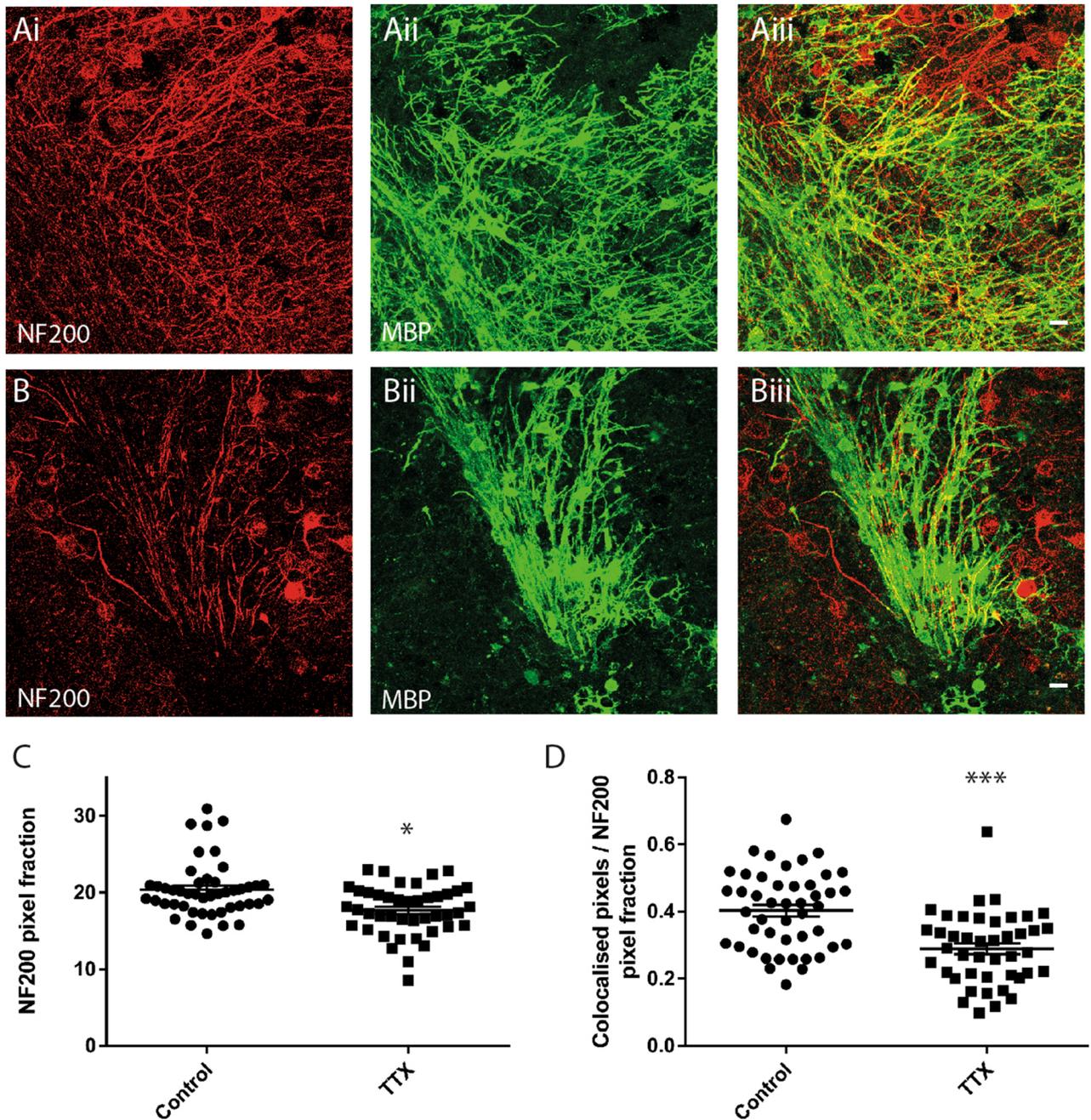
“Sustained inhibition of neuronal activity reduces myelination of cerebellar white matter. (A,B) Maximum projection images from representative control (A) and TTX (B) treated cerebellar slices showing immunofluorescent signals for anti-NF200 (Ai, Bi) anti-MBP (Aii, Bii), and co-localisations used to quantify myelination (Aiii, Biii). (C) Quantification of anti-NF200 signals. Mean NF200 pixel fraction is reduced by TTX (Control  $20.4 \pm 0.7$ , TTX  $17.9 \pm 0.7$ ). (D) Average MBP/NF200 ratios normalized against the NF200 signal are significantly reduced by TTX (Control  $0.4 \pm 0.02$ , TTX  $0.29 \pm 0.02$ ). Scale bars in (A) and (B)  $20 \mu\text{m}$ . \* and \*\* Significance  $P < 0.05$  and  $P < 0.01$ , respectively. Data expressed as means  $\pm$  SEM.”

In addition, the part label B has been corrected to ‘Bi’.

The original Figure 5 and its accompanying legend appear below.

The original Article has been corrected.

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**Figure 5.** Sustained inhibition of neuronal activity reduces myelination of cerebellar white matter. **(A,B)** Maximum projection images from representative control **(A)** and TTX **(B)** treated cerebellar slices showing immunofluorescent signals for anti-NF200 **(Ai,Bi)** anti-MBP **(Aii,Bii)**, and co-localisations used to quantify myelination **(Aiii,Biii)**. **(C)** Quantification of anti-NF200 signals. Mean NF200 pixel fraction is reduced by TTX (Control  $20.4 \pm 0.5$ , TTX  $17.7 \pm 0.5$ ). **(D)** Average MBP/NF200 ratios normalized against the NF200 signal are significantly reduced by TTX (Control  $0.4 \pm 0.02$ , TTX  $0.29 \pm 0.02$ ). Scale bars in **(A)** and **(B)**  $20 \mu\text{m}$ . \* and \*\*\* Significance  $P < 0.05$  and  $P < 0.001$ , respectively. Data expressed as means  $\pm$  SEM.

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