



Corrigendum: MiR-29a Knockout Aggravates Neurological Damage by Pre-polarizing M1 Microglia in Experimental Rat Models of Acute Stroke

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A Corrigendum on

MiR-29a Knockout Aggravates Neurological Damage by Pre-polarizing M1 Microglia in Experimental Rat Models of Acute Stroke

by Zhao, F., Zhao, H., Fan, J., Wang, R., Han, Z., Tao, Z., Zheng, Y., Yan, F., Huang, Y., Yu, L., Zhang, X., Zhang, L., Luo, Y., and Ma, Y. (2021). Front. Genet. 12:642079. doi: 10.3389/fgene.2021. 642079

In the original article, we neglected to include the funder "CAMS Innovation Fund for Medical Sciences (CIFMS), 2019-I2M-1-004" to Xiaolong Qi.

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Also there was a mistake in **Figure 3–5** as published. The word "rat" was miswritten as "mice." The corrected **Figure 3–5** appears below.

Finally, there was an error in authorship. Xiaolong Qi was not included as an author in the published article. Authorlist has been corrected and his contribution has been added to the "Author Contributions." The corrected statement appears below.

"FZ wrote the manuscript. HZ, JF, RW, ZH, ZT, YZ, FY, YH, LY, XZ, and LZ took part in the experiment and modified it. YL and YM designed and critically revised the manuscript. XQ did the construction work of miR-29a genetic modified rats All authors contributed to the article and approved the submitted version."

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Keywords: ischemic stroke, miR-29a, microglia, astrocyte, glutamate



miR-29a KO

WT



В

FIGURE 4 | Knockout of miR-29a exhibited M1 polarization of microglia in rat brain. (A,B) Western blot detection of microglia M1 and M2 marker changes in the brains of wild-type rats and miR-29a-5p knockout rats. (A) CD206, iNOS (B) Arg1, CD16. (C–F) Bar graphs of marker changes in the brains of wild-type rats and miR-29a knockout rats. (C) CD206, (D) Arg1, (E) CD16, (F) iNOS. (G,H) Representative double immunofluorescence staining for CD206 (green) or iNOS (green), and Iba-1 (red) markers. (G) CD206, (H) iNOS. *p < 0.05. Arg1, arginase 1; iNOS, inducible nitric oxide synthase.

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miR-29a KO



The authors apologize for this error and state that this does not change the scientific conclusions of the article in any way. The original article has been updated.

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