Corrigendum: Scorpion Venom Heat-Resistant Peptide Attenuates Microglia Activation and Neuroinflammation

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A Corrigendum on

Scorpion Venom Heat-Resistant Peptide Attenuates Microglia Activation and Neuroinflammation

by Wu, X.-F., Li, C., Yang, G., Wang, Y.-Z., Peng, Y., Zhu, D.-D., Sui, A.-R., Wu, Q., Li, Q.-F., Wang, B., Li, N., Zhang, Y., Ge, B.-Y., Zhao, J., and Li, S. (2021). Front. Pharmacol. 12:704715. doi: 10.3389/fphar.2021.704715
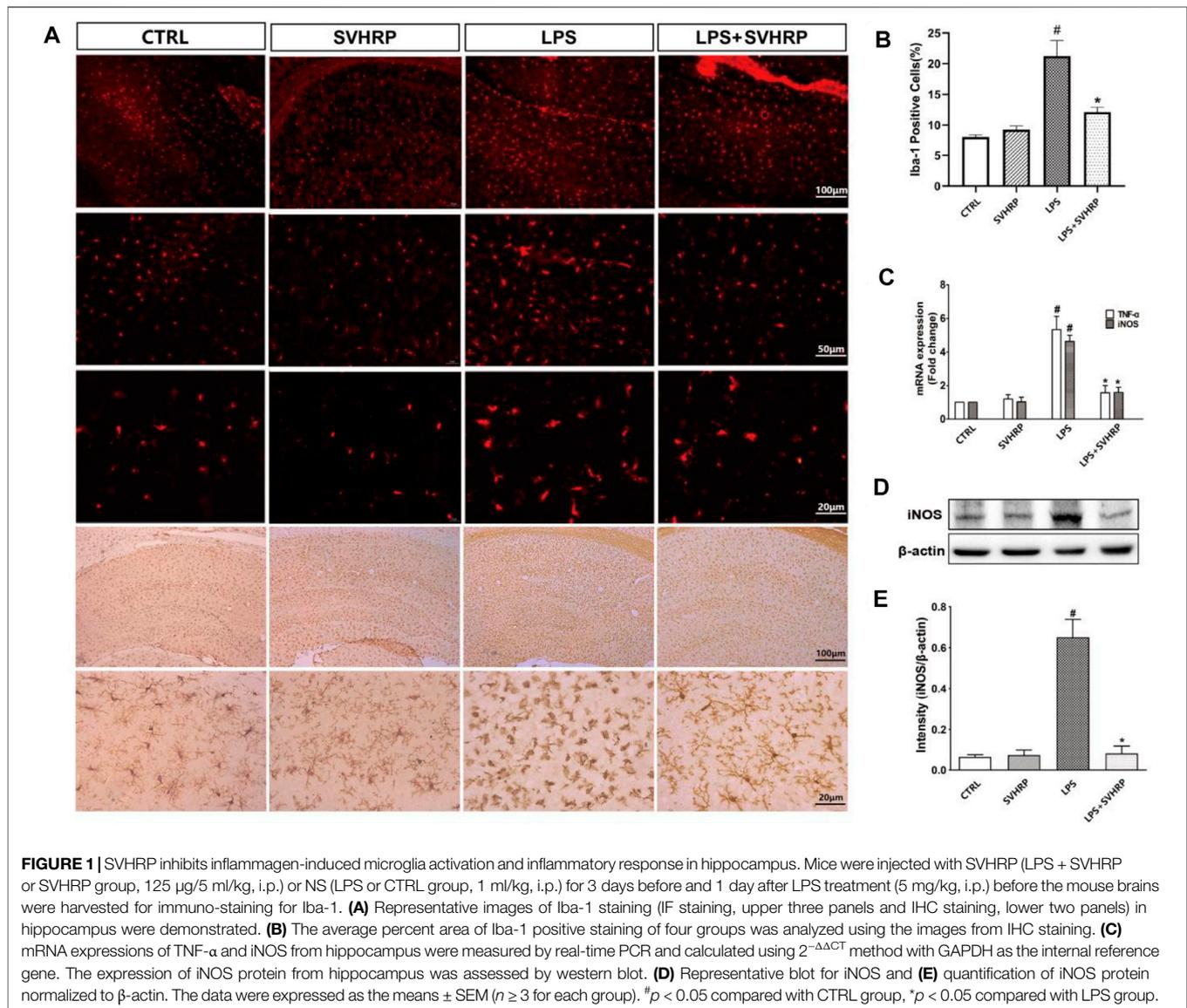
In the original article, there was a mistake in **Figure 1** and its caption as published. The label for group 4 in **Figure 1A** is misspelled, it is supposed to be "LPS+SVHRP" instead of "LPS+SVHRSP". Furthermore, in the caption for **Figure 1**, the description for **Figure 1E** was missing, which is the quantification result for the immunoblotting shown in **(D)**. The correct **Figure 1** and caption appear below.

Additionally, there was a mistake in the caption for **Figure 2** as published. In **Figure 2**, the value of the Bar in **Figures 2A–C, a** is supposed to be 50 instead of 20 μm. The correct **Figure 2** appears below.

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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FIGURE 1 | SVHRP inhibits inflammagen-induced microglia activation and inflammatory response in hippocampus. Mice were injected with SVHRP (LPS + SVHRP or SVHRP group, 125 μg/5 ml/kg, i.p.) or NS (LPS or CTRL group, 1 ml/kg, i.p.) for 3 days before and 1 day after LPS treatment (5 mg/kg, i.p.) before the mouse brains were harvested for immuno-staining for Iba-1. **(A)** Representative images of Iba-1 staining (IF staining, upper three panels and IHC staining, lower two panels) in hippocampus were demonstrated. **(B)** The average percent area of Iba-1 positive staining of four groups was analyzed using the images from IHC staining. **(C)** mRNA expressions of TNF-α and iNOS from hippocampus were measured by real-time PCR and calculated using $2^{-\Delta\Delta CT}$ method with GAPDH as the internal reference gene. The expression of iNOS protein from hippocampus was assessed by western blot. **(D)** Representative blot for iNOS and **(E)** quantification of iNOS protein normalized to β-actin. The data were expressed as the means ± SEM ($n \geq 3$ for each group). $^{\#}p < 0.05$ compared with CTRL group, $^{*}p < 0.05$ compared with LPS group.
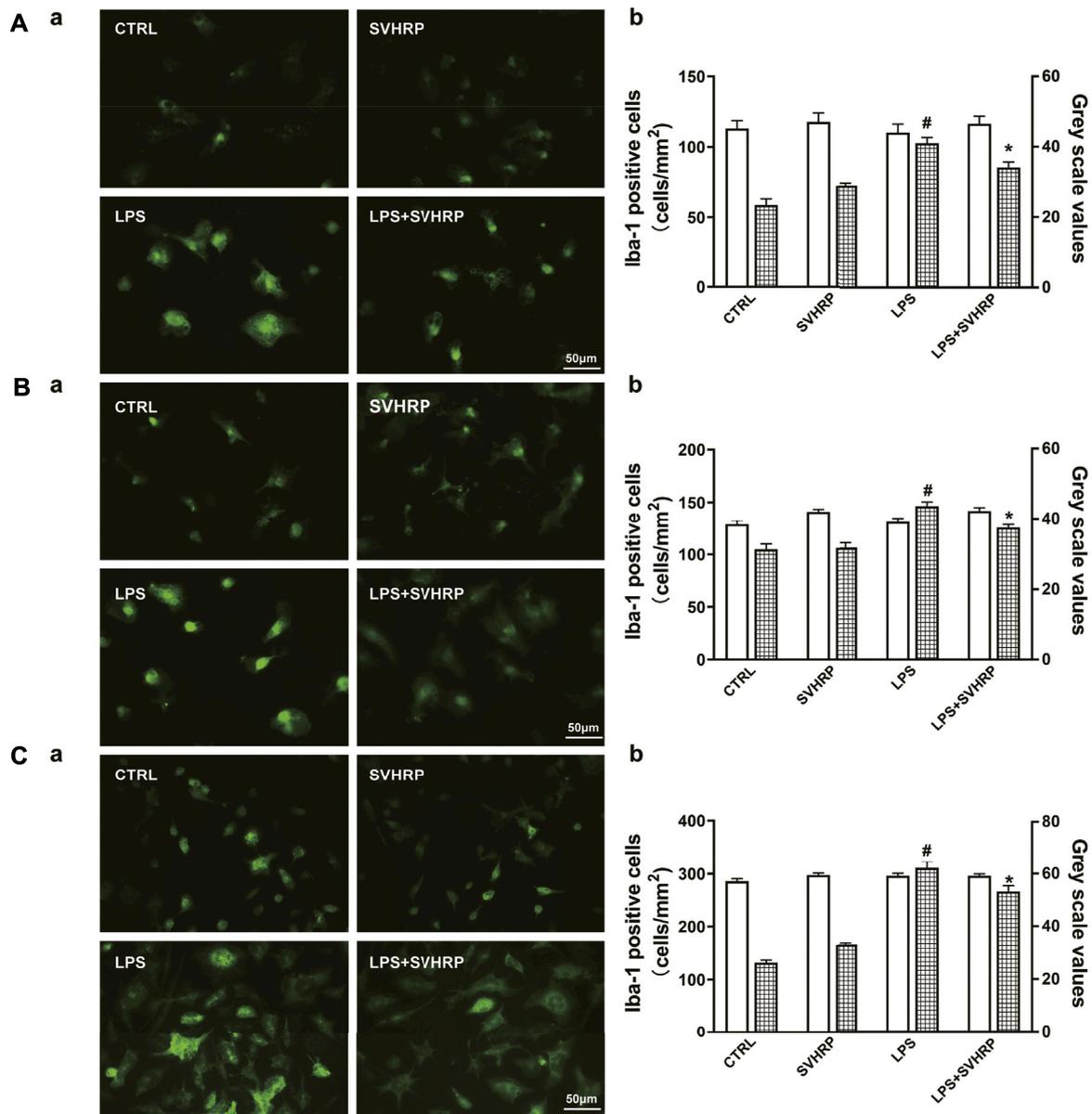
FIGURE 2 | SVHRP attenuates LPS-induced upregulation of Iba-1 in microglia. IF staining for Iba-1 in primary neuron-glia **(A)**, mixed glia **(B)**, and enriched microglia **(C)** cultures were performed 24 h after LPS treatment. Cells were pretreated with vehicle or SVHRP (20 µg/ml) for 1 h before LPS challenge. **(a)** Representative images of Iba-1 positive cells (400×, Bar = 50 µm). **(b)** Cell number and average grey scale for Iba-1 staining were shown. The data were the means ± SEM ($n \geq 3$ for each cell preparation). [#]$p < 0.05$ compared with CTRL group, [*]$p < 0.05$ compared with LPS group.