



## Author Correction: Roflumilast Reduces Cerebral Inflammation in a Rat Model of Experimental Subarachnoid Hemorrhage

Qingjian Wu<sup>1,2,3</sup>, Lifeng Qi<sup>1,4</sup>, Hanxia Li<sup>2</sup>, Leilei Mao<sup>2</sup>, Mingfeng Yang<sup>2</sup>, Rongxia Xie<sup>2</sup>, Xiaoyi Yang<sup>2</sup>, Jian Wang<sup>5</sup>, Zongyong Zhang<sup>2,7</sup>, Jiming Kong<sup>6,7</sup> and Baoliang Sun<sup>2,7</sup>

Author Correction: *Inflammation* (2017) 40(4):1245-1253  
<https://doi.org/10.1007/s10753-017-0567-8>

After the publication of our article, we became aware that there were errors in Fig. 3 IL-1 $\beta$ -48 h-Sham and IL-6-48 h-SAH. It is an unintentional error, which was caused by our carelessness when preparing Fig. 3. These

errors do not affect the discussion or conclusions in the article. The correct versions of Fig. 3 are shown.

We apologize to the journal and to the readers for these errors.

The original article can be found online at <https://doi.org/10.1007/s10753-017-0567-8>.

<sup>1</sup>Department of Neurology, Shandong University School of Medicine, Jinan 250012, Shandong, China

<sup>2</sup>Department of Neurology, Key Laboratory of Cerebral Microcirculation in Universities of Shandong, Affiliated Hospital of Taishan Medical University, Taian 271000, Shandong, China

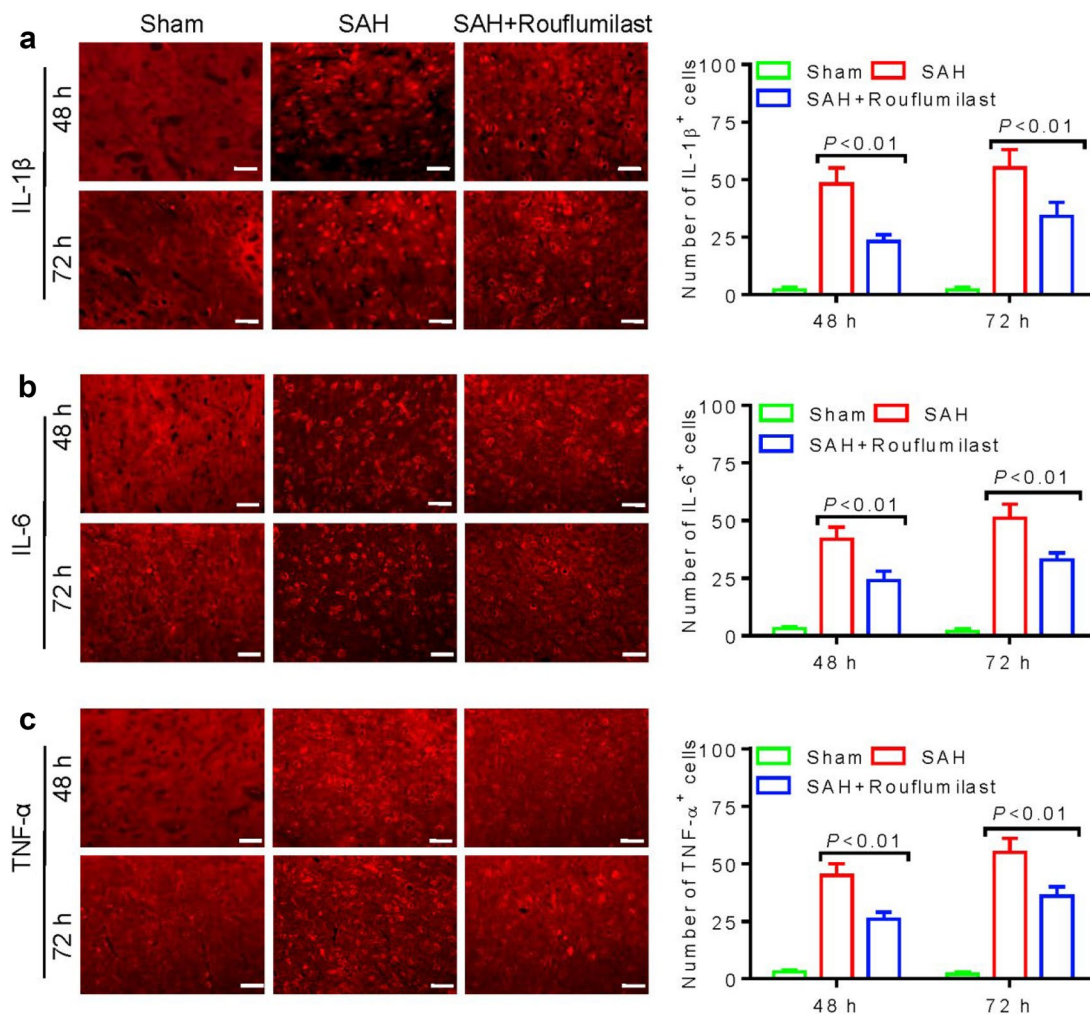
<sup>3</sup>Department of Emergency, Jining NO.1 People's Hospital, Jining 272011, Shandong, China

<sup>4</sup>Department of Neurology, Liaocheng People's Hospital and Liaocheng Clinical School of Taishan Medical University, Liaocheng 252000, China

<sup>5</sup>Department of Anesthesiology and Critical Care Medicine, School of Medicine, Johns Hopkins University, Baltimore, MD 21205, USA

<sup>6</sup>Department of Human Anatomy and Cell Science, University of Manitoba, Winnipeg, MB R3E 0J9, Canada

<sup>7</sup>To whom correspondence should be addressed to Zongyong Zhang at Department of Neurology, Key Laboratory of Cerebral Microcirculation in Universities of Shandong, Affiliated Hospital of Taishan Medical University, Taian, Shandong 271000, China. Email: zongyongzhanghust@163.com blsun88@163.com and to Jiming Kong at Department of Human Anatomy and Cell Science, University of Manitoba, Winnipeg, MB R3E 0J9, Canada. Email: Jiming.Kong@umanitoba.ca; and Baoliang Sun at Department of Neurology, Key Laboratory of Cerebral Microcirculation in Universities of Shandong, Affiliated Hospital of Taishan Medical University, Taian, Shandong 271000, China. Email: blsun88@163.com



**Fig. 3** Representative immunofluorescence staining slices of **a** IL-1 $\beta$ , **b** IL-6, or **c** TNF- $\alpha$  in the sham, SAH, and SAH+roflumilast group at 48 and 72 h. Scale bar is 20  $\mu$ m. Quantitative analysis of the **a** IL-1 $\beta$ , **b** IL-6, or **c** TNF- $\alpha$  positive cells was expressed as mean  $\pm$  SD ( $P < 0.01$ ; two-way ANOVA with Tukey's multiple comparison test;  $n = 3$  in each group)

**Publisher's Note** Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.