



OPEN

# Author Correction: Molecular mechanisms underlying the involvement of the sigma-1 receptor in methamphetamine-mediated microglial polarization

Jie Chao , Yuan Zhang, Longfei Du, Rongbin Zhou, Xiaodong Wu, Kai Shen & Honghong Yao

Correction to: *Scientific Reports* <https://doi.org/10.1038/s41598-017-11065-8>, published online 14 September 2017

This Article contains errors in Figure 1 and Figure 5.

In Figure 1, the western blot images of iNOS in Figure 1A and  $\beta$ -actin in Figure 1B are incorrect. The correct Figure 1 appears below as Fig. 1.

In Figure 5, the bar graph in Figure 5H is presented repeatedly by Figure 5J inattentively. The correct Figure 5 appears below as Fig. 2.

Consequently, in the Results section, under ‘Knockout of the sigma-1 receptor affected methamphetamine-induced microglial activation *in vivo*’,

“The administration of methamphetamine significantly increased iNOS expression in the hippocampus, cerebellum, and midbrain (Figure 5A–C,F–H) and down-regulated iNOS expression in the cortex and striatum (Figure 5D,E,I,J).”

should read:

“The administration of methamphetamine significantly increased iNOS expression in the hippocampus, cerebellum, and midbrain (Figure 5A–F) and down-regulated iNOS expression in the cortex and striatum (Figure 5G–J).”

Published online: 11 March 2021

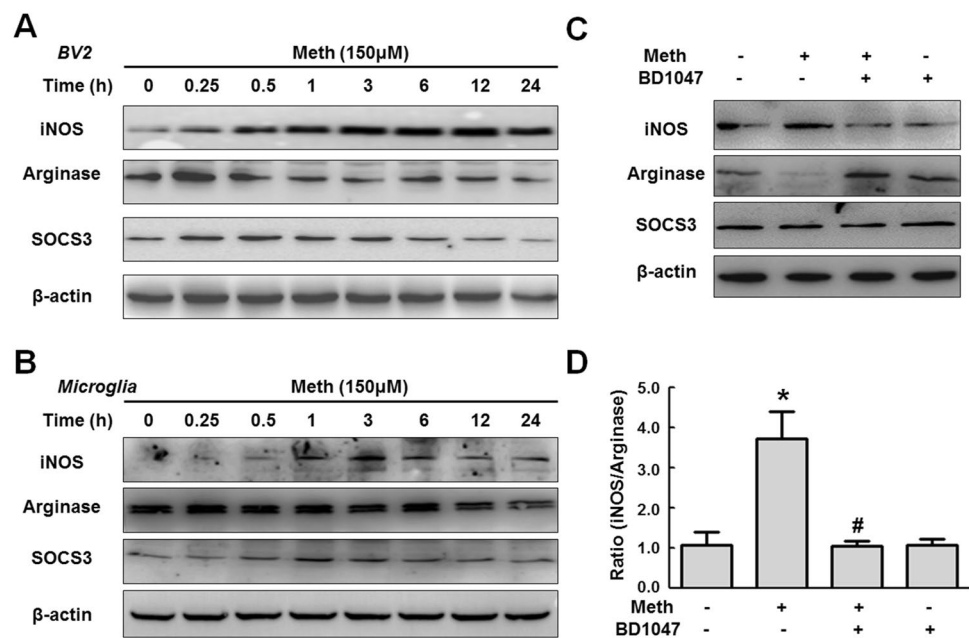


Figure 1. A correct version of the original Figure 1.

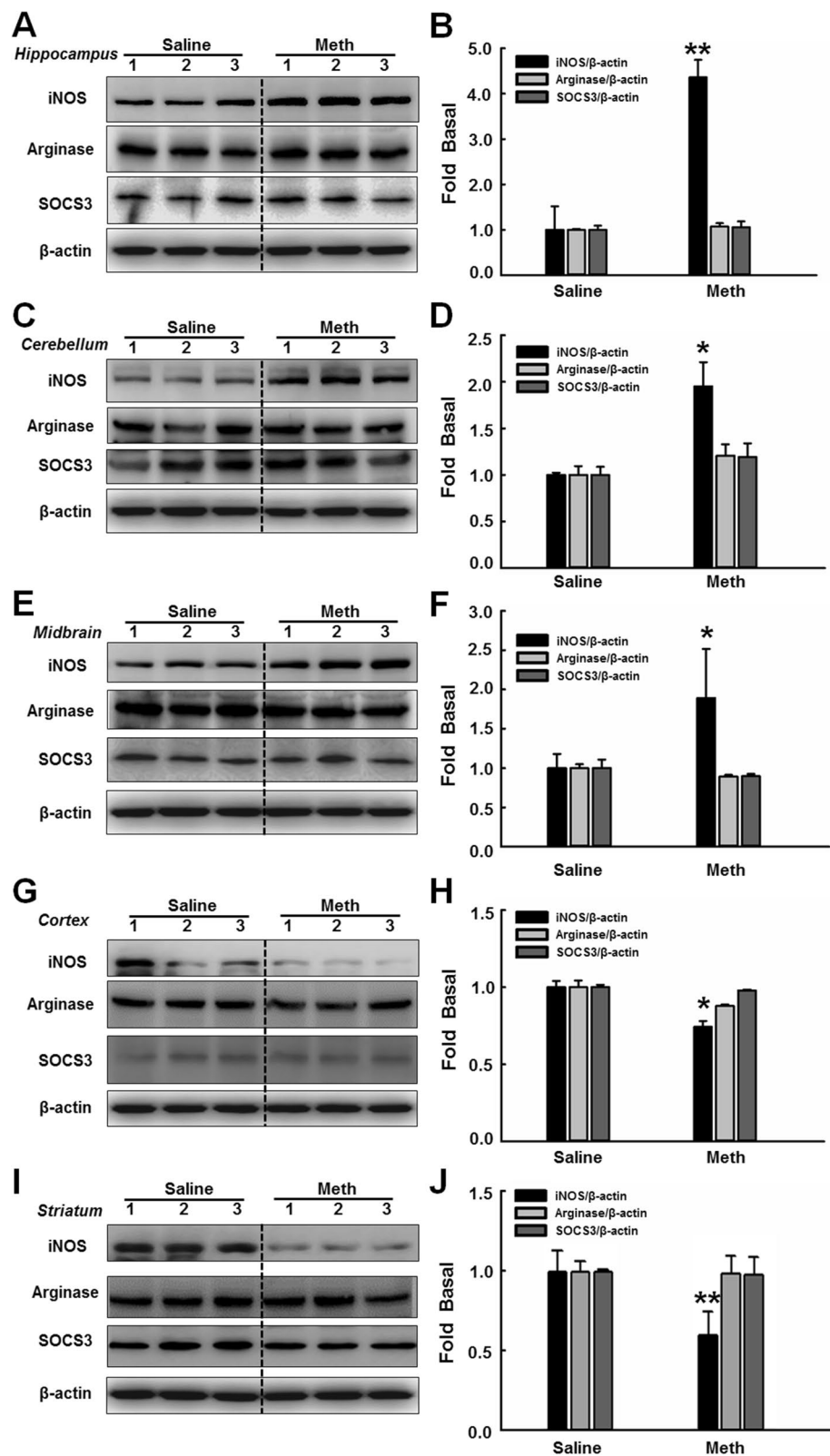


Figure 2. A correct version of the original Figure 5.



**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) 2021