

CORRECTION

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# Correction: An integrated characterization of contractile, electrophysiological and structural cardiotoxicity of *Sophora tonkinensis* Gapnep. in human pluripotent stem cell-derived cardiomyocytes

Ruiying Wang<sup>1†</sup>, Min Wang<sup>1†</sup>, Shan Wang<sup>1</sup>, Ke Yang<sup>2</sup>, Ping Zhou<sup>1</sup>, Xueheng Xie<sup>3</sup>, Qi Cheng<sup>4</sup>, Jingxue Ye<sup>1</sup>, Guibo Sun<sup>1\*</sup> and Xiaobo Sun<sup>1\*</sup>

**Correction: Stem Cell Research & Therapy (2019) 10:20**  
<https://doi.org/10.1186/s13287-018-1126-4>

In the original article [1], the authors identified that Fig. 9 and Fig. 10 in the article used the wrong images because of incorrect figure assembly.

In Fig. 9A, the ROS fluorescence image of sophocarpine-10  $\mu\text{M}$  was the same as that of cytosine-50  $\mu\text{M}$ . The authors identified that the image of cytosine-50  $\mu\text{M}$  was uploaded incorrectly, and the correct ROS fluorescence

and bright field image of cytosine-50  $\mu\text{M}$  in reassembled Fig. 9 were provided.

In Fig. 10, the intracellular calcium fluorescence image of matrine-10  $\mu\text{M}$  was the same as that of matrine-50  $\mu\text{M}$ . The authors identified that the image of matrine-10  $\mu\text{M}$  was uploaded incorrectly, and the correct calcium fluorescence and bright field image of matrine-10  $\mu\text{M}$  in the reassembled Fig. 10 were provided.

The revised Figs. 9 and 10 were given in this article.

<sup>†</sup>Ruiying Wang and Min Wang contributed equally to this work.

The original article can be found online at <https://doi.org/10.1186/s13287-018-1126-4>

\*Correspondence:

Guibo Sun

sunguibo@126.com

Xiaobo Sun

sun\_xiaobo163@163.com

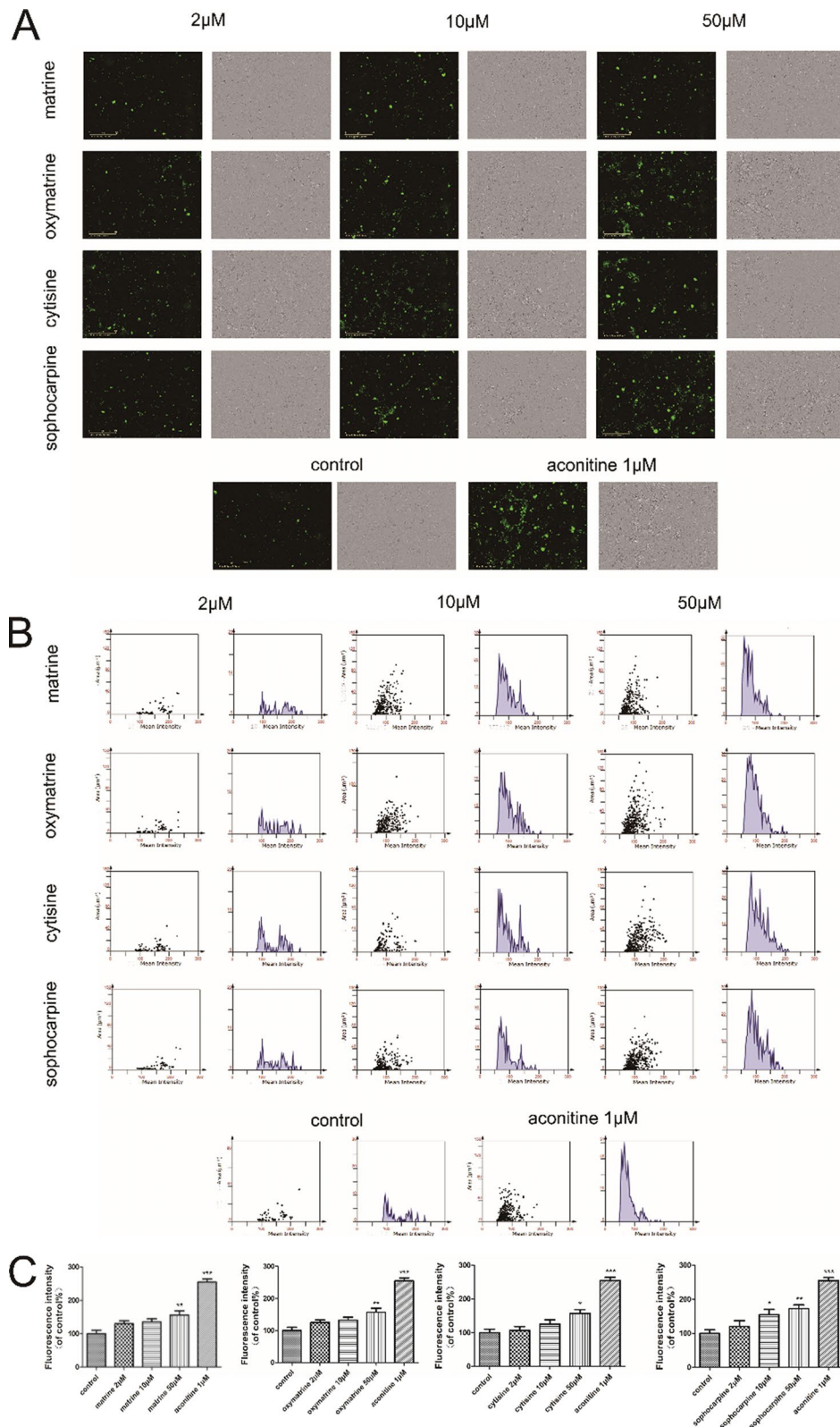
<sup>1</sup> Key Laboratory of Bioactive Substances and Resources Utilization of Chinese Herbal Medicine, Ministry of Education, Institute of Medicinal Plant Development, Chinese Academy of Medical Sciences & Peking Union Medical College, Beijing 100193, China

<sup>2</sup> Collaborative Innovation Center of Yangtze River Delta Region Green Pharmaceuticals, Zhejiang University of Technology, No. 18, Chaowang Road, Xiacheng District, Hangzhou 310014, Zhejiang, China

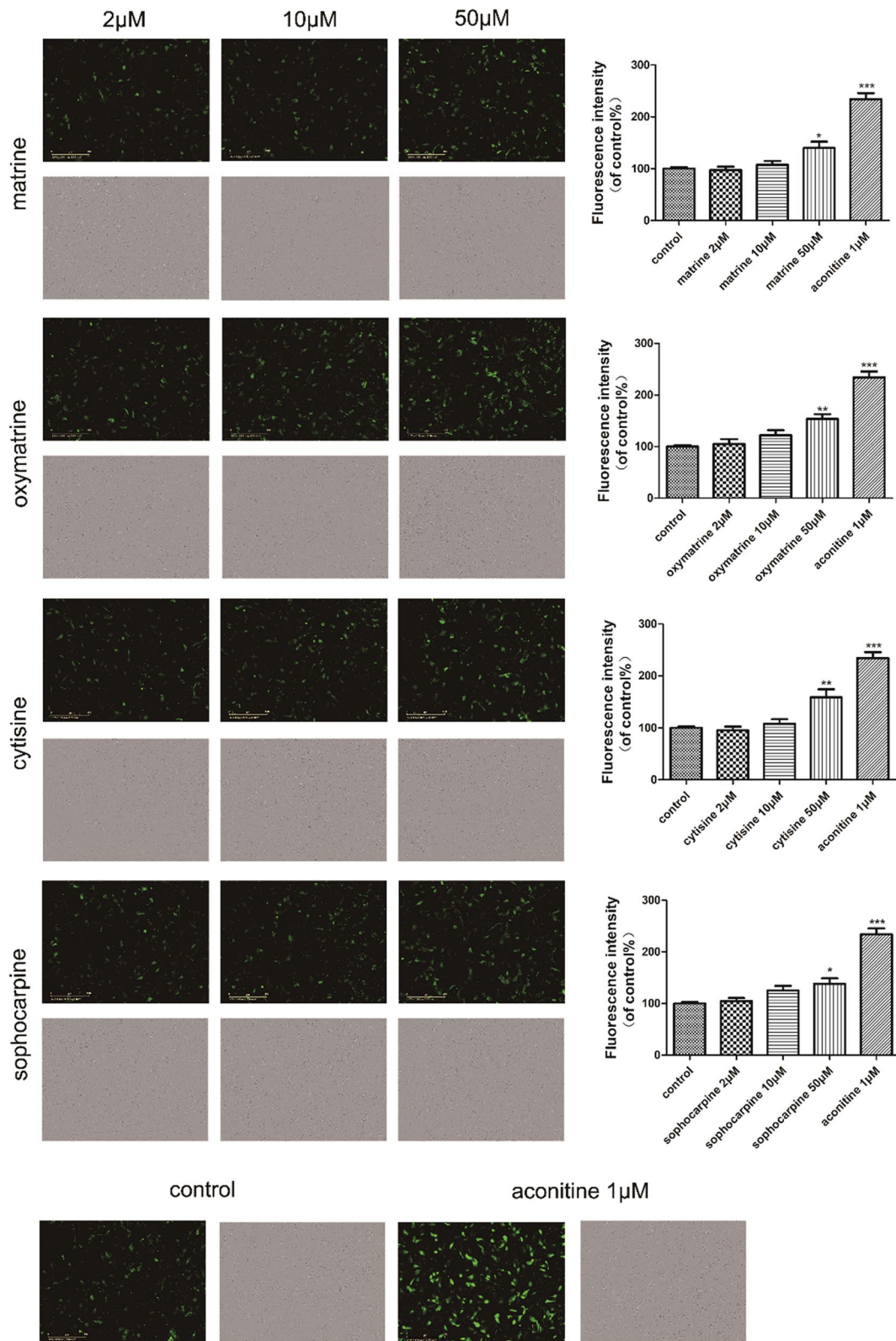
<sup>3</sup> Harbin University of Commerce, Harbin 150028, Heilongjiang, China

<sup>4</sup> Beijing Health Olight Technology Co., Ltd, Beijing 100068, China





**Fig. 9** Effect of matrine, oxymatrine, cytisine and sophocarpine on ROS formation in hiPSC-CMs. After treatment with matrine, oxymatrine, cytisine and sophocarpine, **A** the images of ROS fluorescence and bright field were acquired intuitively using IncuCyte™ S3 ZOOM cell imaging system and **B, C** the fluorescence intensity was analysed quantitatively using TissueQuest 6.0. The scale bar is 400 μm. Data are presented as the mean ± SEM, n ≥ 3. \*P > 0.05, \*\*P > 0.01 and \*\*\*P > 0.001 vs control group.



**Fig. 10** Effect of matrine, oxymatrine, cytisine and sophocarpine on intracellular calcium in hESC-CMs. After treatment of matrine, oxymatrine, cytisine and sophocarpine, the images of calcium fluorescence and bright field were acquired intuitively and the fluorescence intensity was analysed quantitatively using IncuCyte™ S3 ZOOM cell imaging system. The scale bar is 400 μm. Data are presented as the mean ± SEM, n ≥ 3. \*P > 0.05, \*\*P > 0.01 and \*\*\*P > 0.001 vs control group

Although this correction does not affect conclusions of article, the authors still apologize to the editor and the readership of the journal for carelessness in figure assembly.

Published online: 31 October 2023

#### Reference

1. Wang R, Wang M, Wang S, et al. An integrated characterization of contractile, electrophysiological, and structural cardiotoxicity of *Sophora tonkinensis* Gapnep. in human pluripotent stem cell-derived cardiomyocytes. *Stem Cell Res Ther.* 2019;10:20. <https://doi.org/10.1186/s13287-018-1126-4>.

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