



## CORRECTION

# Publisher Correction: E3 ubiquitin ligase UBR5 modulates circadian rhythm by facilitating the ubiquitination and degradation of the key clock transcription factor BMAL1

Chun-yan Duan<sup>1,2</sup>, Yue Li<sup>1</sup>, Hao-yu Zhi<sup>1</sup>, Yao Tian<sup>3</sup>, Zheng-yun Huang<sup>4</sup>, Su-ping Chen<sup>1</sup>, Yang Zhang<sup>1</sup>, Qing Liu<sup>1</sup>, Liang Zhou<sup>1</sup>, Xiao-gang Jiang<sup>1</sup>, Kifayat Ullah<sup>1</sup>, Qing Guo<sup>5</sup>, Zhao-hui Liu<sup>5</sup>, Ying Xu<sup>4</sup>, Jun-hai Han<sup>3</sup>, Jiajie Hou<sup>6</sup>, Darran P O'Connor<sup>2</sup> and Guoqiang Xu<sup>1,7,8</sup>✉

*Acta Pharmacologica Sinica* (2024) 45:2684; <https://doi.org/10.1038/s41401-024-01328-2>

Correction to: *Acta Pharmacologica Sinica* <https://doi.org/10.1038/s41401-024-01290-z>, published online 13 May 2024

The Publishers would like to apologize for the errors in the publishing process of this article. The released article is not the final version. Some errors need to be modified:

1. Page 1: Author list, the correct author names are: Chun-yan Duan<sup>1,2</sup>, Yue Li<sup>1</sup>, Hao-yu Zhi<sup>1</sup>, Yao Tian<sup>3</sup>, Zheng-yun Huang<sup>4</sup>, Su-ping Chen<sup>1</sup>, Yang Zhang<sup>1</sup>, Qing Liu<sup>1</sup>, Liang Zhou<sup>1</sup>, Xiao-gang Jiang<sup>1</sup>, Kifayat Ullah<sup>1</sup>, Qing Guo<sup>5</sup>, Zhao-hui Liu<sup>5</sup>, Ying Xu<sup>4</sup>, Jun-hai Han<sup>3</sup>, Jiajie Hou<sup>6</sup>, Darran P O'Connor<sup>2</sup> and Guoqiang Xu<sup>1,7,8,\*</sup>
2. Page 1, the last sentence of Abstract, post-translational modification should be changed to post-translational modification level
3. Page 1: Footnote, Correspondence: Guo qiang Xu (gux2002@suda.edu.cn) should be corrected to Correspondence: Guoqiang Xu (gux2002@suda.edu.cn)
4. Page 2, left column, the 3rd paragraph, "UBR5 demonstrates marked evolutionary conservation across diverse multicellular organisms, with its distinctive structural attributes

executing a crucial role in the intricate processes of mammalian development [36]." Should be changed "UBR5 maintains marked evolutionary conservation across diverse multicellular organisms, with its distinctive structural attributes executing a crucial role in the intricate processes of mammalian development [36]."

5. Page 3, left column, in the part of "Cycloheximide (CHX) and proteasome inhibitor treatment", MG132 (20 μM) should be changed to MG132 (10 μM)
6. Page 7, Figure 3 legends: the format of Student's *t*-test or Student's *t* test should be unified as Student's *t* test
7. Page 7, right column, paragraph 2, "...the mRNA expression of the downstream clock genes, such as PER and CRY. We used siRNA-mediated knockdown UBR5 in U2OS cells to assess the expression of several circadian clock genes by qPCR." Should be changed to "...the mRNA expression of the downstream clock genes, such as PER and CRY. We used siRNA-mediated knockdown of UBR5 in U2OS cells to assess the expression of several circadian clock genes by qPCR."

The publisher sincerely apologizes for any inconvenience caused to the authors and its readers.  
The original article has been corrected.

<sup>1</sup>Jiangsu Key Laboratory of Neuropsychiatric Diseases and College of Pharmaceutical Sciences, Jiangsu Province Engineering Research Center of Precision Diagnostics and Therapeutics Development, Jiangsu Key Laboratory of Preventive and Translational Medicine for Geriatric Diseases, Suzhou Key Laboratory of Drug Research for Prevention and Treatment of Hyperlipidemic Diseases, Soochow University, Suzhou 215123, China; <sup>2</sup>School of Pharmacy and Biomolecular Sciences, RCSI University of Medicine and Health Sciences, 123 St Stephen's Green, Dublin 2, D02 YN77 Dublin, Ireland; <sup>3</sup>School of Life Science and Technology, The Key Laboratory of Developmental Genes and Human Disease, Southeast University, 2 Sipailou Road, Nanjing 210096, China; <sup>4</sup>Jiangsu Key Laboratory of Neuropsychiatric Diseases and Cambridge-Suda Genomic Resource Center, Soochow University, Suzhou 215123, China; <sup>5</sup>Department of Human Anatomy and Cytoneurobiology, Medical School of Soochow University, Suzhou 215123, China; <sup>6</sup>Cancer Centre, Faculty of Health Sciences, University of Macau, Macau SAR, China; <sup>7</sup>Suzhou International Joint Laboratory for Diagnosis and Treatment of Brain Diseases, College of Pharmaceutical Sciences, Soochow University, Suzhou 215123, China and <sup>8</sup>MOE Key Laboratory of Geriatric Diseases and Immunology, Suzhou Medical College of Soochow University, Suzhou 215123, China

Correspondence: Guoqiang Xu (gux2002@suda.edu.cn)

Published online: 20 June 2024