

RETRACTION NOTE

Open Access



# Retraction Note: MicroRNA-506 inhibits tumor growth and metastasis in nasopharyngeal carcinoma through the inactivation of the Wnt/ $\beta$ -catenin signaling pathway by downregulating LHX2

Tian-Song Liang<sup>†</sup>, Ying-Juan Zheng<sup>†</sup>, Juan Wang, Jing-Yi Zhao, Dao-Ke Yang<sup>\*</sup> and Zhang-Suo Liu<sup>\*</sup>

**Retraction Note: *J Exp Clin Cancer Res* 38, 97 (2019)**  
<https://doi.org/10.1186/s13046-019-1023-4>

The Editor-in-Chief has retracted this article. Concerns have been raised regarding a number of figures, specifically:

- Figure 9A: the panels for 0h/siRNA-LHX2 and 0h/miR-506 inhibitor + siRNA-LHX2 appear to partially overlap
- Figure 9B: the panels for 0h/Blank and 0h/NC appear to partially overlap
- Figure 9B: the panels for 0h/miR-506 mimic and 0h/miR-506 inhibitor appear to be identical

Additionally, the background of the western blots in Figures 2B, 4A, 5B, 5D, 5H and 5J appear to look unexpectedly clean. Author Zhang-Suo Liu has also stated that he was unaware of the submission and publication of this article. The Editor-in-Chief therefore no longer has

confidence in the reliability of the data reported in the article.

The authors have not responded to correspondence regarding this retraction notice.

Published online: 30 September 2021

## Publisher's Note

Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

The original article can be found online at <https://doi.org/10.1186/s13046-019-1023-4>.

\*Correspondence: yangdaokedr@163.com; liu\_zhangsuo@yeah.net

<sup>†</sup>Tian-Song Liang and Ying-Juan Zheng contributed equally to this work.  
Department of Radiotherapy, the First Affiliated Hospital of Zhengzhou University, Zhengdong Branch, Zhengzhou 475000, Henan Province, People's Republic of China



© The Author(s) 2021. **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 Creative Commons Public Domain Dedication waiver (<http://creativecommons.org/publicdomain/zero/1.0/>) applies to the data made available in this article, unless otherwise stated in a credit line to the data.