Open Access



Retraction Note: MicroRNA-582–3p negatively regulates cell proliferation and cell cycle progression in acute myeloid leukemia by targeting cyclin B2

Haixia Li^{1,2}, Xuefei Tian^{3*}, Paoqiu Wang¹, Mao Huang⁴, Ronghua Xu⁵ and Tian Nie^{5*}

The original article can be found online at https://doi.org/10.1186/ s11658-019-0184-7.

*Correspondence: tian_Xf@outlook.com; nie_ tian0607@126.com

¹ Department of Integrated Chinese and Western Medicine, Hunan Children's Hospital, Changsha 410007, China ² Hunan University of Chinese Medicine, Changsha 410208, China

³ College of Integrated Chinese and Western Medicine, Hunan University of Chinese Medicine, Changsha 410208, China
⁴ Department of Pediatric

Rehabilitation, Hebei Provincial Hospital of Traditional Chinese Medicine, Shijiazhuang 050000, Hebei, China

⁵ Department of Hematology, The First Hospital of Hunan University of Chinese Medicine, 95 Shaoshan Middle Road, Changsha City 410007, Hunan Province, China

Retraction Note: Cellular & Molecular Biology Letters (2019) 24:66 https://doi.org/10.1186/s11658-019-0184-7

The Editor-in-Chief has retracted this article because of concerns regarding the figures presented in this work. These concerns call into question the article's overall scientific soundness. An investigation conducted after its publication discovered the following issues:

- the *Cyclin B2* gel slice in Fig. 4A appears to overlap with the *CDK1* gel slice in Fig. 5;
- portions of the *Cyclin B1* gel slice in Fig. 5 appear to overlap with portions of the *Bad/ MCF-7* and *Bax/T-47D* gel slices in Fig. 4B in [1];
- the *miR-582-3p mimics* cell assay in Fig. 2C appears to overlap, when rotated, with the *shNek7-1* cell assay in Fig. 3E in [2].

The Editor-in-Chief therefore no longer has confidence in the integrity of the research presented in this article.

The authors have not replied to correspondence from the Publisher.

Accepted: 5 April 2025 Published online: 18 April 2025

References

- Peng X, Yan B, Shen Y. MiR-1301-3p inhibits human breast cancer cell proliferation by regulating cell cycle progression and apoptosis through directly targeting ICT1. Breast Cancer. 2018;25:742–52. https://doi.org/10.1007/ s12282-018-0881-5.
- 2. Zhang J, Wang L, Zhang Y. Downregulation of NIMA-related kinase-7 inhibits cell proliferation by inducing cell cycle arrest in human retinoblastoma cells. Exp Ther Med. 2018;15:1360–6. https://doi.org/10.3892/etm.2017.5558.

Publisher's Note

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



© The Author(s) 2025. **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/.