RETRACTION NOTE

Open Access

Retraction Note: M1 Macrophage-Derived Exosomal MicroRNA-326 Suppresses Hepatocellular Carcinoma Cell Progression Via Mediating NF-kB Signaling Pathway

Zhen-zi Bai[†], Hong-yan Li[†], Cheng-hua Li, Chuan-lun Sheng and Xiao-nan Zhao^{*}

Retraction Note: Nanoscale Research Letters (2020) 15:221

https://doi.org/10.1186/s11671-020-03432-8

The Editors in Chief have retracted this article. After publication, concerns were raised about apparent partial overlaps within each image of Figure 1C, as well as unlikely appearance of the data presented in Figure 1f and the flow cytometry histograms in Figure 5a and e. In addition, liver cell lines used in the study (HL-7702, BEL-7404, SMMC-7721 and QGY-7703) have been previously reported as contaminated with HeLa cells and therefore not an appropriate model for this study. The authors did not respond to requests for further clarification and did not supply raw images or the ethics permit. The editors, therefore, have lost confidence in the integrity of the article's findings. The authors did not respond to any correspondence from the editor about this retraction.

Published online: 13 December 2022

The original article can be found online at https://doi.org/10.1186/s11671-020-03432-8.

[†]Zhen-zi Bai and Hong-yan Li co-frst authors

*Correspondence: zhaoxn@jlu.edu.cn

Infectious Department, The Third Hospital of Jilin University, No. 126 Sendai Avenue, Changchun 130033, Jilin, China



© The Author(s) 2022. **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.go/licenses/by/4.0/.

Publisher's Note

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