

RETRACTION NOTE

Open Access



# Retraction Note: Long non-coding RNA GATA6-AS1 upregulates GATA6 to regulate the biological behaviors of lung adenocarcinoma cells

Honggang Kang<sup>†</sup>, Dan Ma<sup>†</sup>, Jing Zhang<sup>\*</sup>, Jun Zhao and Mengxiang Yang

## Retraction Note: *BMC Pulm Med* (2021) 21:166

<https://doi.org/10.1186/s12890-021-01521-7>

The authors have retracted this article because of problems with Figure 4 and Figure 1, namely:

- Figure 4H (panel H1975 vs pcDNA3.1-NC) overlaps with Figure 1F (panel A549 vs sh-NC) in a different article [1]
- Figure 4H (panel H1975 vs pcDNA3.1-NC) overlaps with Figure 5C (panel CAL27, miR-106b-5p mimics + pcDNA3.1/DAB2) in a different article [2]
- Figure 1F overlaps with Figure 5b in a different article [3]

The authors have stated that some of the cell biology experiments were performed by external companies. All authors agree with this retraction.

Published online: 14 September 2022

The original article can be found online at <https://doi.org/10.1186/s12890-021-01521-7>.

<sup>†</sup>Honggang Kang and Dan Ma contributed equally to this work

\*Correspondence: [zj2684@hotmail.com](mailto:zj2684@hotmail.com)

Department of Oncology, Liaocheng People's Hospital, 67 Dongchang West Road, Liaocheng 252000, Shandong, China

## References

1. Wen H, Feng H, Ma Q, et al. LncRNA PCGEM1 induces proliferation and migration in non-small cell lung cancer cells through modulating the miR-590-3p/SOX11 axis. *BMC Pulm Med.* 2021;21:234. <https://doi.org/10.1186/s12890-021-01600-9>.
2. Retracted article: Wang X, Zhang Y, Zhang S, Duan L. Baicalin exerts anti-tumor effects in oral squamous cell carcinoma by inhibiting the microRNA-106b-5p-Wnt/ $\beta$ -catenin pathway via upregulating disabled homolog 2. *Arch Oral Biol.* 2021;130:105219. <https://doi.org/10.1016/j.archoralbio.2021.105219>
3. Ma Y, Zheng W. H3K27ac-induced lncRNA PAXIP1-AS1 promotes cell proliferation, migration, EMT and apoptosis in ovarian cancer by targeting miR-6744-5p/PCBP2 axis. *J Ovarian Res.* 2021;14:76. <https://doi.org/10.1186/s13048-021-00822-z>.

## Publisher's Note

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



© 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.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.