RETRACTION

Retraction: MicroRNA-410 Suppresses Migration and Invasion by Targeting MDM2 in Gastric Cancer

The PLOS ONE Editors

Following the publication of this article [1], similarities were noted between this article and articles submitted by other research groups, including [2-10], of which one article [10] was previously retracted [11].

Similarities included the following figures, which appear to fully or partially overlap, despite being published in different articles and representing different conditions:

- scramble panel in Fig 2C of [1], and untreated and scramble panels in Fig 2D of [4].
- untreated panel in Fig 2D of [1], and control panel in Fig 4C of [2].
- inhibitor panel in Fig 2C of [1], and pCDNA-c-Myc + scramble panel in Fig 4C of [2].
- pCDNA-MDM2 + scramble panel in Fig 4C of [1], and untreat panel in Fig 3A of [3].
- pCDNA-MDM2 + miR-410 panel in Fig 4C of [1], and untreat and control panels in Fig 3B of [3].
- control and pCDNA + scramble panels in Fig 4C of [1], and mimic panel in Fig 3E of [10].

The corresponding author informed the journal that they obtained help to write and edit the manuscript. They also stated that informed consent was not obtained from all patients for the use of their tissue samples in this study. Due to this issue, the corresponding author requested that the article be retracted.

The concerns regarding similarities between the articles [1-10] remain unresolved and call into question the validity and provenance of the reported results, and the adherence of this article to the PLOS Authorship policy. Additionally, as the corresponding author stated that appropriate consent was not obtained from all patients, this article is not in compliance with the PLOS Human Subjects Research policy. In light of these issues, the *PLOS ONE* Editors retract this article [1].

HZ agreed with the retraction. All other authors either did not respond directly or could not be reached.

References

- Shen J, Niu W, Zhou M, Zhang H, Ma J, Wang L, et al. (2014) MicroRNA-410 Suppresses Migration and Invasion by Targeting MDM2 in Gastric Cancer. PLoS ONE 9(8): e104510. https://doi.org/10.1371/journal.pone.0104510 PMID: 25136862
- Xu N, Li Z, Yu Z, Yan F, Liu Y, Lu X, et al. (2014) MicroRNA-33b Suppresses Migration and Invasion by Targeting c-Myc in Osteosarcoma Cells. PLoS ONE 9(12): e115300. https://doi.org/10.1371/journal.pone.0115300 PMID: 25546234
- Chong Y, Zhang J, Guo X, Li G, Zhang S, Li C, et al. (2014) MicroRNA-503 Acts as a Tumor Suppressor in Osteosarcoma by Targeting L1CAM. PLoS ONE 9(12): e114585. https://doi.org/10.1371/journal.pone.0114585 PMID: 25536034



G OPEN ACCESS

Citation: The *PLOS ONE* Editors (2022) Retraction: MicroRNA-410 Suppresses Migration and Invasion by Targeting MDM2 in Gastric Cancer. PLoS ONE 17(6): e0269898. https://doi.org/10.1371/journal.pone.0269898

Published: June 8, 2022

Copyright: © 2022 The PLOS ONE Editors. This is an open access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

- Shen L, Wang P, Yang J, Li X (2014) MicroRNA-217 Regulates WASF3 Expression and Suppresses Tumor Growth and Metastasis in Osteosarcoma. PLoS ONE 9(10): e109138. https://doi.org/10.1371/journal.pone.0109138 PMID: 25289936
- Niu G, Li B, Sun L, An C (2015) MicroRNA-153 Inhibits Osteosarcoma Cells Proliferation and Invasion by Targeting TGF-β2. PLoS ONE 10(3): e0119225. https://doi.org/10.1371/journal.pone.0119225 PMID: 25793604
- Xiu Y, Liu Z, Xia S, Jin C, Yin H, Zhao W, et al. (2014) MicroRNA-137 Upregulation Increases Bladder Cancer Cell Proliferation and Invasion by Targeting PAQR3. PLoS ONE 9(10): e109734. https://doi. org/10.1371/journal.pone.0109734 PMID: 25330156
- Xue Z, Zhao J, Niu L, An G, Guo Y, Ni L (2015) Up-Regulation of MiR-300 Promotes Proliferation and Invasion of Osteosarcoma by Targeting BRD7. PLoS ONE 10(5): e0127682. https://doi.org/10.1371/journal.pone.0127682 PMID: 26010572
- Wang H, Yan C, Shi X, Zheng J, Deng L, Yang L, et al. MicroRNA-575 targets BLID to promote growth and invasion of non-small cell lung cancer cells. FEBS Letters 589 (2015) 805–811. https://doi.org/10. 1016/j.febslet.2015.02.013 PMID: 25728273
- Qian K, Mao B, Zhang W, Chen H. (2016). MicroRNA-561 inhibits gastric cancercell proliferation and invasion by downregulating c-Myc expression. American journal of translational research, 8(9), 3802– 3811. PMID: 27725860
- Chen G, Lu L, Liu C, Shan L, Yuan D (2015) MicroRNA-377 Suppresses Cell Proliferation and Invasion by Inhibiting TIAM1 Expression in Hepatocellular Carcinoma. PLoS ONE 10(3): e0117714. https://doi. org/10.1371/journal.pone.0117714 PMID: 25739101
- The PLOS ONE Editors (2022) Retraction: MicroRNA-377 Suppresses Cell Proliferation and Invasion by Inhibiting TIAM1 Expression in Hepatocellular Carcinoma. PLoS ONE 17(3): e0266302. https://doi. org/10.1371/journal.pone.0266302 PMID: 35325011