RETRACTED ARTICLE: MiR-151-3p transferred by cancer-associated fibroblast-derived extracellular vesicles promotes osteosarcoma progression through the CHL1/integrin 1β/TGF-β axis

Peng Wang1 · Changchao Wang2 · Leyin Zhu3 · Ping Li4 · Xiaobo Tang1 · Jian Wang1 · Fangyong Hu4 · Gaoshan Qiao3 · Cheng Xie3 · Chengdong Zhu3

Received: 20 May 2020 / Revised: 19 January 2021 / Accepted: 1 February 2021 / Published online: 15 March 2021 © The Author(s), under exclusive licence to Springer Nature America, Inc. part of Springer Nature 2021. This article is published with open access

The Editor-in-Chief has retracted this article because after publication concerns were raised regarding multiple errors in the description of the methods and reagents, most notably primer sequences in Table 1. The authors did not provide the methods and the references sequences used to design the primers upon request. Furthermore, errors in the language throughout the text are potentially misleading to the reader. The Editor-in-Chief therefore no longer has confidence in the reliability of the work presented. None of the authors have responded to any correspondence from the editor about this retraction.

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 license, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons license, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons license 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 license, visit http://creativecommons.org/licenses/by/4.0/.

Supplementary information The online version contains supplementary material available at https://doi.org/10.1038/s41417-021-00304-w.

These authors contributed equally: Peng Wang, Changchao Wang, Leyin Zhu

Chengdong Zhu
dongdong801208@163.com

1 Department of Orthopaedics, The Affiliated Jianhu Hospital of Nantong University, Jianhu People’s Hospital, Nantong, P.R. China
2 Department of Orthopaedics, Huaiian Tumor Hospital & Huaiian Hospital of Huaian City, Huaiian, P.R. China
3 Department of Orthopaedics, The People’s Hospital of Yizheng City, The Affiliated Hospital of Yangzhou University, Yizheng, P. R. China
4 Department of Central Laboratory, Huaiian Tumor Hospital & Huaiian Hospital of Huaian City, Huaiian, P.R. China