

## RETRACTION NOTE OPEN



# Retraction Note: Mutant Runx2 regulates amelogenesis and osteogenesis through a miR-185-5p-Dlx2 axis

Huanguang Chang, Yue Wang, Haochen Liu, Xu Nan, Singwai Wong, Saihui Peng, Yajuan Gu, Hongshan Zhao and Hailan Feng

© The Author(s) 2025

*Cell Death and Disease* (2025)16:455; <https://doi.org/10.1038/s41419-025-07762-2>

Retraction Note to: *Cell Death & Disease* <https://doi.org/10.1038/s41419-017-0078-4>, published online 14 December 2017

The Editors-in-Chief have retracted this article. After publication, concerns were raised regarding highly similar images in Figs. 1g and 5d, specifically:

- Fig. 1g Alizarin red staining M2 image appears to overlap with Fig. 5d 100 nM miR-185-5p;
- Fig. 5d Alp staining 50 nM miR-NC and miR-185-5p images appear to overlap.

The authors provided revised figures and the underlying raw data; however, the revised figures and the associated raw data contained a further case of highly similar images between different groups.

The Editors-in-Chief therefore no longer have confidence in the presented data.

Huanguang Chang, Hongshan Zhao and Hailan Feng disagree with this retraction. Yue Wang, Haochen Liu, Xu Nan, Singwai Wong, Saihui Peng and Yajuan Gu have not responded to any correspondence from the editor or publisher 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 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 Author(s) 2025