

RETRACTION NOTE OPEN



Retraction Note: Intracellular citrate accumulation by oxidized ATM-mediated metabolism reprogramming via PFKP and CS enhances hypoxic breast cancer cell invasion and metastasis

Meixi Peng, Dan Yang, Yixuan Hou, Shuiqing Liu, Maojia Zhao, Yilu Qin, Rui Chen, Yong Teng and Manran Liu

© The Author(s) 2023

Cell Death and Disease (2023)14:640; <https://doi.org/10.1038/s41419-023-06174-4>

Retraction to: *Cell Death and Disease* <https://doi.org/10.1038/s41419-019-1475-7>, published online 08 March 2019

The Editors have retracted this article because the authors have informed them that there are multiple errors in the assembly of the images shown in Figure 8, Figure 9, Figure S1 and Figure S9. The Editors no longer have confidence in the results and conclusions presented. Meixi Peng agrees with this retraction. Dan Yang, Yixuan Hou, Shuiqing Liu, Maojia Zhao, Yilu Qin, Rui Chen, Yong Teng and Manran Liu have not responded to correspondence from the 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 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/>.

© The Author(s) 2023