

Retraction

Retraction: Chronically high level of *tgfb1a* induction causes both hepatocellular carcinoma and cholangiocarcinoma via a dominant Erk pathway in zebrafish**Chuan Yan^{1,2}, Qiqi Yang¹, Han-Ming Shen³, Jan M. Spitsbergen⁴ and Zhiyuan Gong^{1,2}**¹Department of Biological Sciences, National University of Singapore, Singapore²National University of Singapore Graduate School for Integrative Sciences and Engineering, National University of Singapore, Singapore³Department of Physiology, Yong Loo Lin School of Medicine, National University of Singapore, Singapore⁴Department of Microbiology, Oregon State University, Corvallis, OR, USA**Published:** May 14, 2024**Copyright:** © 2024 Yan et al. This is an open access article distributed under the terms of the [Creative Commons Attribution License](#) (CC BY 4.0), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

This article has been retracted: Multiple figure images in this paper were found to contain internal overlaps and duplications. Specifically, duplicate images were discovered in Figures 1B, 4A, 4B and 5C. The authors were unable to make corrections using the original data. Therefore, with the agreement of all authors, the Scientific Integrity office at Oncotarget has decided to retract this paper.

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