



## OPEN ACCESS

APPROVED BY  
Frontiers Editorial Office,  
Frontiers Media SA, Switzerland

\*CORRESPONDENCE  
Frontiers Editorial Office  
✉ research.integrity@frontiersin.org

RECEIVED 24 July 2024  
ACCEPTED 24 July 2024  
PUBLISHED 30 July 2024

CITATION  
Frontiers Editorial Office (2024) Retraction:  
Cancer-associated fibroblasts-derived  
exosomes suppress immune cell function in  
breast cancer via the miR-92/PD-L1 pathway.  
*Front. Immunol.* 15:1469689.  
doi: 10.3389/fimmu.2024.1469689

COPYRIGHT  
© 2024 Frontiers Editorial Office. This is an  
open-access article distributed under the terms  
of the [Creative Commons Attribution License  
\(CC BY\)](#). The use, distribution or reproduction  
in other forums is permitted, provided the  
original author(s) and the copyright owner(s)  
are credited and that the original publication  
in this journal is cited, in accordance with  
accepted academic practice. No use,  
distribution or reproduction is permitted  
which does not comply with these terms.

# Retraction: Cancer-associated fibroblasts-derived exosomes suppress immune cell function in breast cancer via the miR-92/PD-L1 pathway

Frontiers Editorial Office\*

## A Retraction of the Original Research Article

### Cancer-associated fibroblasts-derived exosomes suppress immune cell function in breast cancer via the miR-92/PD-L1 pathway

By Dou D, Ren X, Han M, Xu X, Ge X, Gu Y and Wang X (2020) *Front. Immunol.* 11:2026.  
doi: 10.3389/fimmu.2020.02026

The journal retracts the 09 October 2020 article cited above.

Following publication, concerns were raised regarding the integrity of the images in the published figures. Images presented in this article were subsequently also identified in publications from unrelated author groups. The authors failed to provide a satisfactory explanation during the investigation, which was conducted in accordance with Frontiers' policies. As a result, the data and conclusions of the article have been deemed unreliable and the article has been retracted.

Frontiers would like to thank Dr Sholto David for contacting the journal regarding the published article, the concerns regarding which were also documented on PubPeer.

This retraction was approved by the Chief Executive Editor of Frontiers. The authors received a communication regarding the retraction and agree to retract the article. This communication has been recorded by the publisher.