

Retraction: Activation of endoplasmic reticulum stress promotes autophagy and apoptosis and reverses chemoresistance of human small cell lung cancer cells by inhibiting the PI3K/AKT/mTOR signaling pathway

Xin-Shuang Yu¹, Juan Du^{1,2}, Yu-Jun Fan³, Feng-Jun Liu¹, Li-Li Cao², Ning Liang¹, De-Guo Xu¹, Jian-Dong Zhang¹

¹Department of Radiation Oncology, Shandong Provincial Qianfoshan Hospital, Shandong University, Jinan 250014, P.R. China

²Medical Research Center, Shandong Provincial Qianfoshan Hospital, Shandong University, Jinan 250014, P.R. China

³Medical Management Service Center of Shandong Provincial Health and Family Planning Commission, Jinan 250014, P.R. China

Published: June 25, 2019

Copyright: Yu et al. This is an open-access article distributed under the terms of the Creative Commons Attribution License 3.0 (CC BY 3.0), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.

In August 2018 an investigation of this article was requested by the Supervisory Committee of the National Natural Science Foundation of China, after allegations of fraud. The Oncotarget editorial staff also requested that Shandong University bring the paper to the attention of an ethical committee in August 2018, after the corresponding authors requested retraction on the grounds of statistical errors. The institution's investigation determined that "all the experiments of this paper were entrusted by the first author Yu Xinshuang to a commercial company, and the original experimental data were unable to be provided. Corresponding authors and other authors were unaware of the relevant experiments nor the submission process of the paper."

Based on these results, all authors have agreed to the retraction of this article from Oncotarget.

Original article: Oncotarget. 2016; 7:76827–76839. <https://doi.org/10.18632/oncotarget.12718>