

Retraction

The article 'Regulation of Insulin Resistance by Multiple MiRNAs via Targeting the GLUT4 Signalling Pathway.' [Cellular Physiology and Biochemistry 28 May 2016; 38 (5): 2063–2078. <https://doi.org/10.1159/000445565>] by Tong Zhou, Xianhong Meng, Hui Che, Nannan Shen, Dan Xiao, Xiaotong Song, Meihua Liang, Xuelian Fu, Jiaming Ju, Yang Li, Chaoqian Xu, Yong Zhang and Lihong Wang Xu has been retracted by the current and former Publishers and the Editor.

After the publication of this article, several instances of image reuse between figures was identified. Specifically:

- The images in Figure 2G, representing the +NC group, were present in Figure 7D GLUT 4, representing the IR group.
- The images in Figure 3F, representing the NC group, were present in Figure 7D MAPK 14, representing the +MTgAMO group.
- The images in Figure 4F, representing the NC group, were present in Figure 7D PI3K regulatory subunit beta, representing the IR group.
- The image for DAPI in Figure 4G, representing the +NC group, was present as the image for DAPI in Figure 7D GLUT4, representing the +MTg-AMO group.

When asked to comment the corresponding author stated that the files were stored in a dedicated folder, with each file labelled with a number corresponding to its specific gene name. They stated that during the process of data analysis, an investigator mistakenly selected the wrong files due to a misunderstanding of the image labels.

The corresponding author provided original data for review. However, the author's explanation raised further concerns about data acquisition and management which undermined the reliability of the results in the article and therefore, the article has been retracted. The authors disagree with the retraction.