

Retraction Statement

The authors of the article

Guo T, Liu W, Konermann A, Gu Z, Cao M, Ding Y, entitled
"Estradiol Modulates the Expression Pattern of Myosin Heavy Chain Subtypes via an ER α -
Mediated Pathway in Muscle-Derived Tissues and Satellite Cells"
[Cell Physiol Biochem 2013;33(3):681-691, DOI:10.1159/000358644].

have requested retraction on the following basis:

Recently, we reviewed this article during repeating the culture of muscle-derived myoblasts. We notice that the right panel in Fig. 1A, which presented micro-photograph of rat GG Muscle-derived satellite cells (MDSCs) morphology in OVX+E2 group, was identical to the middle panel in Fig. 1A of another article by the first author Tao Guo.

Also, we could not repeat the result of Fig. 2, 3 and 6, which are the critical results of this article. After using 1×10^{-7} mol/L estrogen to treat OVX-MDSCs or not, we could not observe the difference between ER α and ER β levels, as well as MHCI, IIA and IIB expressions.

Furthermore, the article describes the cells as "muscle-derived satellite cells" which is not very accurate. However, we prefer to believe of the cells cultured by this method were primary myoblast cells. Since the characteristics of "muscle-derived satellite cells" in this paper were similar to the myoblast cell line C2C12 in our previously published article (Cell Death Dis 2019;10:552).

We apologize to find these mistakes in this article. In the spirit of academic rigour and in order to ensure the quality of the CPB journal, we now request a retraction of this article.