

RETRACTION NOTE

Open Access



Retraction Note: Long noncoding RNA ANRIL is activated by hypoxia-inducible factor-1 α and promotes osteosarcoma cell invasion and suppresses cell apoptosis upon hypoxia

Xiaokang Wei, Chuanshun Wang, Chunhui Ma, Wei Sun, Haoqing Li* and Zhendong Cai*

**Retraction to: *Cancer Cell Int* (2016) 16:73
DOI 10.1186/s12935-016-0349-7**

This article [1] has been retracted by the Editor. Figure 2d and the HIF-1 α and beta-actin panels (MNNG cell line) shown in Fig. 3c have been duplicated from Zhou et al. [2]. Figure 5a, b have been duplicated from Ma et al. [3]. An investigation by the Academic Ethics Committee of Shanghai General Hospital confirmed that several of the images in this article had been reproduced from previously published articles. In light of this, the results of this study are unreliable. All of the authors agree with this retraction.

The online version of the original article can be found under doi:10.1186/s12935-016-0349-7.

References

1. Wei X, Wang C, Ma C, Sun W, Li H, Cai Z. Long noncoding RNA ANRIL is activated by hypoxia-inducible factor-1 α and promotes osteosarcoma cell invasion and suppresses cell apoptosis upon hypoxia. *Cancer Cell Int*. 2016;16:73.
2. Zhou C, Ye L, Jiang C, Bai J, Chi Y, Zhang H. Long noncoding RNA HOTAIR, a hypoxia-inducible factor-1 α activated driver of malignancy, enhances hypoxic cancer cell proliferation, migration, and invasion in non-small cell lung cancer. *Tumor Biol*. 2015;36:9179.
3. Ma M, Li C-X, Zhang Y, Weng M-Z, Zhang M-D, Qin Y-Y, Gong W, Quan Z-W. Long non-coding RNA HOTAIR, a c-Myc activated driver of malignancy, negatively regulates miRNA-130a in gallbladder cancer. *Mol Cancer*. 2014;13:156.

Published online: 02 June 2017

*Correspondence: lihaoqing@medmail.com.cn; czd856@vip.163.com
Department of Orthopaedics, Shanghai General Hospital, Shanghai
Jiao Tong University School of Medicine, No 100 Hanning Road,
Shanghai 200080, People's Republic of China