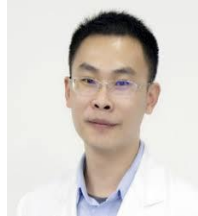




Atorvastatin-induced senescence in HCC via suppression of IL-6/STAT3/hTERT pathway

Kuang-Ting Liu

Department of Biomedical Sciences, National Chung Hsing University, Taichung, Taiwan



ABSTRACT: Hepatocellular carcinoma (HCC), a hepatic malignancy, has a poor prognosis and contributes to cancer-related death worldwide. Cellular senescence is an anticancer therapeutic strategy that causes irreversible cell cycle arrest and enables immune-mediated clearance of cancer cells. Atorvastatin, an HMG-CoA reductase inhibitor, has been shown to inhibit tumor growth and induce apoptosis or autophagy in malignant tumors. However, whether atorvastatin can induce HCC cell senescence and the mechanisms involved are poorly understood. The effects of atorvastatin-induced senescence were examined in both HCC cells and mouse xenograft models. The phenomenon and mechanism of senescence were examined by cell cycle analysis, senescence-associated β -galactosidase (SA- β -gal) staining and western blotting in HCC cells, and HCC tissues from mice were analyzed by immunohistochemical (IHC) staining. We demonstrated that atorvastatin



Biography –Liu Kuan-ting is a Taiwanese actor. He received the Golden Bell Award for Best Supporting Actor for the hit drama series A Boy Named Flora A. In 2019, he won Best Supporting Actor at the 56th Golden Horse Awards for the film A Sun

Publication -

Transcriptome Changes in Relation to Manic Episode.

Hippo kinase loss contributes to del(20q) hematologic malignancies through chronic innate immune activation

Periodic paralysis with normokalemia in a patient with hyperthyroidism: A case report.

How to effectively obtain informed consent in trauma patients: a systematic review

Spontaneous pneumocephalus and subdural hemorrhage after sneezing.

[32nd International Conference on Cancer Research and Therapy, Osaka, Japan, February 19-20, 2020](#)

Abstract Citation : [Kuang-Ting Liu, Atorvastatin-induced senescence in HCC via suppression of IL-6/STAT3/hTERT pathway, CANCER RESEARCH 2020, Osaka, Japan, February 19-20, 2020.](#)