Dear Editor,

We would like to submit the enclosed manuscript entitled " **Effects of Ursolic Acid on Cholesterol Reversal of RAW264.7 Macrophage-derived Foam Cells and Expression of SIRT1, PPARγ and ACAT-1 Genes and Proteins**", which we wish to be considered for publication in **bioinformatics.**

The work described has not been submitted elsewhere for publication, in whole or in part, and all the authors listed have approved the manuscript that is enclosed.We believe that two aspects of this manuscript will make it interesting to general readers of your journal.

First, The molecular formula is C30H48O3 and the relative molecular mass is 456.68 , which is obtained from Hawthorn, UA has a wide range of biological effects, its anti-atherosclerosis, hypolipidemic and other pharmacological effects have been confirmed, 3-5) and safe, adverse reactions are small, as a high efficiency and low Toxic multi-purpose new drugs, it is widely used in pharmaceutical cosmetics raw materials and food emulsifiers, at the same time cause widespread concern at home and abroad scholars.

Second, In the previous study, we found that Wistar rat femoral artery endometrial fibroblasts decreased or decreased, smooth muscle hyperplasia, decreased lipid deposition, mononuclear macrophage hyperplasia, and indicated that ursolic acid had a significant effect on lipid deposition and foam cell formation A certain inhibitory effect, promote smooth muscle hyperplasia. However, in this study, RAW264.7 macrophages were used as the research object, and the expression of SIRT1, PPARγ and ACAT-1 genes in macrophage-derived foam cells were studied in this study. Moreover, the expression of the protein, to explore the possible mechanism of action, found that ursolic acid inhibits the role of atherosclerosis, and further to determine the mechanism of ursolic acid anti-atherosclerosis to provide a theoretical basis and practical basis for the benefit of Atherosclerosis Prevention and treatment of ursolic acid.

Thank you very much for your time and consideration.

Sincerely yours,

Bo WANG

July 3, 2017