Reviewer’s report

Title: Altered miRNA expression in pulmonary sarcoidosis

Version: 2
Date: 26 July 2015

Reviewer: Nobuhisa Ishikawa

Reviewer’s report:

In this paper, the authors investigated expression pattern of selected miRNAs in patients with pulmonary sarcoidosis and control group by using q-PCR method. Several Previous studies have demonstrated that proangiogenic or angiostatic function, and ECM/EMT remodeling played important processes in pathogenesis of sarcoidosis. Please clarify the authors’ new findings and separate the confirmation result. Therefore, I think this paper cannot be accepted for publication for BMC Medical Genetics.

Major Compulsory Revisions

1. A systematic analysis of the expression levels of thousands of genes using genome-wide microarray analysis of miRNA is an effective approach for identifying the molecules involved in pathways of several diseases. This approach is also useful to identify unknown molecules involved in the pathways of several diseases. However, the author selected only some selected miRNAs which have previously been evaluated in patients with several lung diseases. The rationale for examining selected miRNAs could be make more clear. What is novelty of this study?

2. The expression signatures of miRNA expression vary depending on the tissues and cell types examined. Did the author evaluate the correlation between expression levels of studied miRNAs BALF cell s and PB lymphocytes?

3. Discussion: Too hypothetical and diffused. This section should be reduced by 25%.

Level of interest: An article of limited interest

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests’ below