Reviewers report

Title: Identification of New Biomarkers for Acute Lung Injury by Expression-based Genome-wide Association Study

Version: 2 Date: 21 April 2015

Reviewer: Anna K Kurdowska

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Major revisions:

1. The distant lung injury model (ischemia-reperfusion kidney injury via the bilateral clamping) and the model of sepsis (cecal ligation and puncture) should be described in more detail. In addition, data confirming the presence of lung injury should be presented (histology and lung injury score at the minimum).

2. Only real time PCR was used to validate expression of CD300LF and CLEC4E and data presented in the graph form. The actual results should be included. Further, Western blot or histochemistry should be employed to analyze protein levels.

3. Is there more information about CD300LF and CLEC4E in other inflammatory conditions? How about expression levels in different organs?

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

I declare that I have no competing interests