Reviewer's report

Title: Overexpression of activated protein C hampers bacterial dissemination during pneumococcal pneumonia

Version: 2  Date: 20 August 2014

Reviewer: Liang Chen

Reviewer's report:

De Boer et al. used the APC overexpressing mice model to investigate the host defense during experimental pneumococcal pneumonia. In general, the manuscript is well-written. I only have two minor comments/questions,

1. Line 127-129: How do the authors decide the animal number in each group?
2. Line 252: The authors indicated the APC is “sustained elevated” in the APC high model. Did the authors measure the APC levels at different time points after S. pneumoniae challenge (line 193-194)? If not, how do you know the APC levels were at a high level in APC high –mice?

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

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests