Reviewer's report

Title: Pulmonary immune responses to 2009 pandemic influenza A (H1N1) virus in mice

Version: 2 Date: 7 February 2014

Reviewer: Justin Julander

Reviewer's report:

Major Compulsory Revisions:
1- The article needs to be thoroughly edited by someone who is fluent in English, as there are grammatical errors throughout, which severely impedes the communication of results and their significance.

2- The statistical analyses described in materials and methods do not appear sufficient to test all the data properly. I doubt a one-way ANOVA was used to show significance in mortality curves. In addition, some of the longitudinal analysis would be ill-suited for analysis with this method. Better or more applicable statistical analyses should be used and described.

3- There are several publications that describe mouse models of influenza. Although there are some interesting data on cytokine increase and immune cell activation, it would be helpful if a functional analysis or demonstration of biological significance of such data was included in this manuscript.

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

Quality of written English: Not suitable for publication unless extensively edited

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

Declaration of competing interests:

I declare that I have no competing interests