Reviewer’s report

Title: Comparison of the effect of LPS and PAM3 on ventilated lungs

Version: 1 Date: 23 December 2009

Reviewer: Rosalinda Sorrentino

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Major Compulsory Revisions:

1. Fig 1 is very hard to read and thus it is very difficult to follow the whole stating.
2. Mechanistic insights should be provided.
3. Number of animals for LPS treatment is very low.
4. Protein levels for MiP-2a and TNFa (Figure 2) are needed because it is not true that the mRNA levels always correspond to the protein levels as the authors state into the discussion section.
5. Do the authors observe the same effect when they use FSL-1, another TLR2 ligand? This type of experiments should also be considered in order to distinguish between TLR2/1 and TLR2/6 implication in pulmonary resistance during lung ventilation.
6. Do the authors have longer time point experiments? Do they observe the same effect?

Level of interest: An article of limited interest

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

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