Reviewer's report

Title: Modulation of the oscillatory mechanics of lung tissue and the oxidative stress response induced by arginase inhibition in a chronic allergic inflammation model

Version: 4 Date: 18 April 2013

Reviewer: Muhammad Towhid Salam

Reviewer's report:

General comments

The authors have addressed my concerns adequately; however, few minor changes (noted below) will improve the readability of the manuscript.

Minor comments

1. Although not statistically significant, the data presented on the first paragraph on page 17 (on Morphometric determination of distal proportions of alveolar septa, airways, and vessels) would be better in a tabulated format and the null association could be briefly mentioned in text.

2. In several places, distribution in comparison groups are provided without describing the distribution in the reference category. For example, in the following sentence the distribution in OVA-exposed animals is missing: "The ovalbumin-exposed animals that received nor-NOHA (OVA-NOR) [10.2 (6.2-13.4)] and the ovalbumin-exposed animals that received 1400W treatment and nor-NOHA (OVA-NOR-W) [5.1 (2.4-10.3)] had lower arginase expression than the ovalbumin-exposed animals (p<0.001)."

3. Not sure what/who are FAPESP and LIM-20-HC-FMUSP that have been mentioned in the acknowledgment section.

Level of interest: An article of outstanding merit and interest in its field

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