Reviewer's report

**Title:** Natural Prevalence of Antibodies to Spike Proteins of Four Non-SARS Human Coronaviruses Among a General Population in Beijing

**Version:** 5 **Date:** 20 May 2013

**Reviewer:** Cavan Reilly

**Reviewer's report:**

**Major Compulsory Revisions**

The statistical methods section does not describe the methods used in the manuscript. The description of the results should be stated in terms of the p-value for the F test in the ANOVA along with group differences as detected by using Tukey's method. The authors have also failed to address the statistical error noted by another reviewer regarding differences in rates among the 8 study participants that are less than 1 year of age. Also, now that p-values are supplied it is clear that some of the differences described as "not significant" actually have a p-value less than 0.05 (for example, p=0.043), so that needs to be addressed.

**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