Reviewer’s report

**Title:** Systemic inflammation links to atherosclerosis via C3aR1; results of a human in vivo LPS infusion study.

**Version:** 2  **Date:** 10 June 2011

**Reviewer:** Xia Yang

**Reviewer's report:**

The authors have sufficiently addressed most of the comments raised. My only remaining suggestion is to alter the title of the manuscript as well as the conclusions to reflect the fact the it's merely a hypothesis/speculation that C3ar1 may mediate the systemic inflammation induced by LPS stimulus. This is because that the causal effect of C3ar1 on the other inflammatory genes identified was not directly tested or established in this study. The authors need to be cautious when making hypothesis into strong claims.

**Level of interest:** An article of importance 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