Reviewer's report

Title: The role of Dectin-1 in anti-Aspergillus fumigatus in the innate immune response of corneal epithelial cells

Version: 2 Date: 21 January 2015

Reviewer: Balaraj Menon

Reviewer's report:

Qiang et al. discuss the role of Dectin-1 in the innate immune response to keratitis caused by A. fumigatus. The authors measure the expression of several cytokines by RT-PCR and immunohistochemistry. Overall, the data supports the conclusion made. But the writing is non-scientific and needs attention.

Major concerns:

1. The manuscript is very poorly written. Authors are encouraged to get the MS proof-read by a professional.

2. Figures and figure legends are not properly placed or referenced throughout the article.

Minor concerns:

1. Authors are requested to include more details in the Materials and Methods. For e.g., how much total RNA was used for reverse transcription and for use in RT-PCR? What concentration/dilution of antibodies were used in the immunohistochemistry?

2. Please change the title of this MS as the current title is difficult to understand (e.g. 'The Role of Dectin-1 in the Innate Immune Response to Keratitis Caused by Aspergillus Fumigatus').

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, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

None.