

20<sup>th</sup> November 2015

**RE: 22633-manuscript revision**

**RE: Responses to reviewers for 22633-manuscript revision**

**Scientific Editor**

*Please return as doc not pdf file*

A doc file has been returned

*Please highlight changes*

Changes are highlighted as requested.

*Please provide a running title*

A running title has been included.

*Please provide postcodes to affiliations*

Postcodes have been added.

*Please provide specific street name for corresponding author*

A street name has been added, but not there is no street number as the University encompasses the entire street.

*Please write a core tip (<100 word summary)*

A core tip has been provided.

*Audio core tip*

An audio core tip has been provided.

*Please provide decomposable figure*

Decomposable figures have been provided.

**Reviewer 646561**

*Although, manuscript is well done with more recent references, the current evidence of this marker as a possible clinical target to treat disease is lacking. As a Consultant Dermatologist, I would have been more enthusiastic if P2x7 showed a more relevant role in common skin diseases.*

As indicated by the other three reviewers, our review is comprehensive and no more can be added at this stage to show a more relevant role for P2X7 in skin disease. However, we envisage this review will serve as a stimulus for future dermatological research.

**Reviewer 646537**

*You could probably consider making the article simpler for the average reader by including short summaries/key learning points and more tables.*

A Core Tip section as been added, as well as the inclusion of three new tables (Tables 1-3).

**Reviewer 646502**

There are no comments from this reviewer that require a response.

**Reviewer 646519**

*It would be useful to include a table for a better understanding of the functions of the P2X7.*

A table (Table 1) has been added to provide better understanding of the functions of the P2X7.