Reviewer's report

Title: Is the inflammasome a potential therapeutic target in renal disease?

Version: 1 Date: 14 November 2013

Reviewer: Berend Isermann

Reviewer's report:

Turner and colleagues are picking up a hot topic in research: the inflammasome. About 50 articles have been published under the heading inflammasome and kidney, reflecting that this is an evolving theme. A review on the same topic has been published in 2011 by Anders and Muruve. Considering the new development in this field an update review on this topic is timely.

I have only a few comments:

Minor Essential Revisions:
- the abstract should be more informative about the topic: inflammasome in kidney disease. There are many other reviews on the inflammasome and hence the focus of the review, including the abstract, should be its role in renal disease;
- page 8: the interaction of the inflammasome and IL-1a needs to be updated (e.g. PMID: 23253918);

Discretionary Revisions:
- NF-kB is spelled differently throughout the manuscript. Please correct;
- p. 10, end of 2nd paragraph: a “)" seems to be missing;

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests.