Reviewer’s report

Title: Paraoxonase-1 is related to inflammation, fibrosis and PPAR delta in experimental liver disease

Version: 2 Date: 2 December 2008

Reviewer: Fabio Marra

Reviewer’s report:

The revised version of this manuscript is markedly improved by the addition of sentences that better explain the findings and allow to put forward some hypotheses for their interpretation.

Yet, this Reviewer feels that some additional efforts could be made to support the hypotheses and speculation made in the Discussion. Specifically, and in relation to point#1 of the previous review:

1. I wonder whether the Authors could run a simple Western blot analysis with PON1 antibodies, as they have already done in other studies (e.g. J Gastrointest Surg 2008;12:891). Apparently, this would also allow the Authors to establish whether PON1 proteolysis is indeed reduced, as hypothesized.

2. Another piece of information could derive from analysis of HDL levels, that are said to be decreased, but no experimental indication of this fact is provided.

At least one of these approaches would make the study stronger.

Level of interest: An article whose findings are important to those with closely related research interests

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