Reviewer's report

Title: Effects of earthworm (Pheretima aspergillum) extract on bone cell activities

Version: 1  Date: 4 June 2014

Reviewer: Angela Bruzzaniti

Reviewer's report:

Essential revisions
The OB data is convincing and shows dose-dependent effects on the cells.
Some minor comments, page 8 first paragraph. What does the OB data refer to that enables determination of % differences? The cell number data does not seem to be included?

Osteoclast data:
It is not clear if the authors are examining the effect of earthworm on mature OCs. Please show representative images in the treatment groups similar to OB data. This is important since TRAP is detected in non-OCs too. In addition, page 9 also refers to OC numbers, but no data is shown

Discussion is somewhat redundant with the results and should be shortened/changed to reflect true discussion of findings

Minor grammatical errors in the abstract.

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

Quality of written English: Needs some language corrections before being published

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

Declaration of competing interests:

I have no conflicts or competing interest