Reviewer's report

Title: Hyperadiponectinemia enhances osteogenesis through osteoblast formation in mice

Version: 3 Date: 2 November 2010

Reviewer: Lilian I Plotkin

Reviewer's report:

Minor essential revision:
The authors have answered satisfactorily most of the points raised by the reviewer. There are, however, 2 points that still need clarification, as follows:

Point 2 of the original review: The paragraph stating the physiological role of adiponectin is still confusing. The authors should indicate something in the lines of: Most reports have shown that there is a negative correlation between circulating levels of adiponectin and bone density, however, it has also been shown that serum adiponectin can positively correlate with bone density (reference 11).

Point 7 of the original review: Changes in osteoblast number cannot only be due to changes in osteoblastogenesis (or osteoblast formation) but also to changes in osteoblast proliferation or their lifespan. This should be indicated in the manuscript.

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.