Author's response to reviews

Title: Effect of nano-hydroxyapatite coating on the osteoinductivity of porous biphasic calcium phosphate ceramics

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Version: 3  
Date: 11 January 2014

Author's response to reviews: see over
Reviewer's report

Title: Effect of nano-hydroxyapatite coating on the osteoinductivity of porous biphasic calcium phosphate ceramics

Version: 2 Date: 4 December 2013

Reviewer: Dirk Henrich

Reviewer's report:

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Major Compulsory Revisions

Solely one method was used to determine osteoinductivity (ALP-activity).

Moreover, the difference between control and coated scaffolds is not very high, though statistical significance was determined. If possible the authors should provide additional data for example gene expression of osteocalcin etc to confirm osteoinductivity. If it is not possible the authors should discuss this topic and name alternative methods to confirm osteoinductivity in their experimental setting.

In the revised MS, three different markers were used to determine osteogenic differentiation: alkaline phosphatase activity, collagen type I production, and osteocalcin production. The new results are described in the text and presented in Figure 6.

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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.
Reviewer's report

Title: Effect of nano-hydroxyapatite coating on the osteoinductivity of porous biphasic calcium phosphate ceramics

Version: 2 Date: 30 December 2013

Reviewer: chunfeng zhao

Reviewer's report:

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Minor Essential Revisions

Review #2 has no suggested changes for the manuscript.

Level of interest: An article of importance in its field

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

This manuscript has been edited and proofread by Medjaden Bioscience Limited.

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

Declaration of competing interests:

No.