Reviewer's report

Title: Salivary pellets induce a pro-inflammatory response involving the TLR4 - NF-κB pathway in gingival fibroblasts

Version: 0 Date: 01 Jan 2016

Reviewer: Richard J Miron

Reviewer's report:

The present study titled: "Saliva pellets induce a pro-inflammatory response involving the LPS - TLR4 - NF-κB pathway in gingiva fibroblasts" utilized proteomic analysis to investigate the possible mechanisms Protein composition of salivary pellets and the response of these saliva pellets on human gingival fibroblasts. The content in the manuscript is very well presented and represents a large sum of data which is definitely recommended for publication in BMC Oral Health. They also demonstrate sound research methodology by blocking TLR4 and depletion of lipopolysaccharides and investigating these effects on gingival cell behavior. Overall the manuscript is of great quality and this reviewer certainly recommends publication with only a minor revision.

The only real drawback to the manuscript is the slight reformulation of certain sentences to improve the English language.

The authors also may wish to consider changing 'gingiva' fibroblasts to 'gingival' fibroblasts.

Please also consider changing 'saliva pellet' to 'salivary pellet'.

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes
Are the conclusions drawn adequately supported by the data shown?
If not, please explain in your comments to the authors.

Yes

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I am able to assess the statistics

Quality of written English
Please indicate the quality of language in the manuscript:

Needs some language corrections before being published

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