Reviewers report

Title: Helicobacter-induced Gastric Inflammation Alters the Properties of Gastric Tissue Stem/Progenitor Cells

Version: 0 Date: 26 Jun 2017

Reviewer: Soumita Das

Reviewers report:

The paper by Shibata et al studied the possible mechanism of gastric carcinogenesis mediated by chronic inflammation after Helicobacter felis infection. They showed that the infection increased the number of tissue stem/progenitor cells, which acquired stemness properties, and altered the direction of differentiation toward intestinal metaplasia to cancer. Interestingly, they used three mice models. Also, the addition of organoids in this work has added an extra advantage. The authors responded point by point to the reviewers' comments. This manuscript is important to know the mechanism of gastric cancer. The authors should consider the following topics:

1) H. felix infection is low in human compared to H. pylori infection. They should discuss in the paper about the physiological relevance of this work in human diseases and after H. pylori infection

2) The culture condition of the strain of Helicobacter felis should be included

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

Are you able to assess any statistics in the manuscript or would you recommend an additional statistical review?
If an additional statistical review is recommended, please specify what aspects require further assessment in your comments to the editors.

I am able to assess the statistics
Quality of written English
Please indicate the quality of language in the manuscript:

Acceptable

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