Reviewer's report

Title: Glucose-regulated protein 58 modulates beta-catenin protein stability in cervical adenocarcinoma

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Reviewer: Charles Rosser

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It is with great pleasure that I read the article entitled Glucose-regulated 58 modulates B-catenin protein stability in cervical adenocarcinoma by Liao et al. Previously, the group identified various pathways associated with known down of Grp58. In this manuscript the researchers explore how B-catenin in the WNT signaling pathway is inversely related to Grp58 both in vitro and in human tissue and thus generating the hypothesis that overexpression of Grp58 results in loss of membranous B-catenin expression which then could promote tumor progression. Overall this is an intriguing finding, but I believe addition experiments or relocates are needed to strengthen the manuscript. Below is a point by point review of the article.

TITLE: No issues
ABSTRACT: No issues
BACKGROUND: No issues

MATERIALS AND METHODS: Only one cell line (HeLa) was used. Thus my question is then is this unique to HeLa cells? At least another cell line is needed. Furthermore it would be interesting to note the effects of forced over expression of Grp58. So the only biologic assay I see is migration assay. Was invasion assay performed? But additional experiments should be performed. I am unsure how human slides were stained? 34? If so this number is way to small. I would suggest obtaining commercial TMA and stain hundred to prove your point.

RESULTS: No issues with what is preset. But what is presented is very preliminary and rudimentary.

DISCUSSION: No issues but should be expanded once above is done.

REFERENCES: No issues

TABLES: No issues

FIGURES: No issues. Confocal images are very good.

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