Author’s response to reviews

Title: Valproic acid-induced amphiregulin secretion confers resistance to temozolomide treatment in human glioma cells

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Version: 2 Date: 07 May 2019

Author’s response to reviews:

May, 2019
Swapna Chaudhuri, PhD
BMC Cancer

Thank you very much for sending us the comments of the reviewers on our manuscript, entitled “Valproic acid-induced amphiregulin secretion confers resistance to temozolomide treatment in human glioma cells” (BCAN-D-19-00165). We have carefully revised the manuscript according to the suggestions raised by the reviewer. The point-by-point responses have been addressed as below. In addition, the declarations were also included in the revised manuscript.

Best Regards,

Sincerely,
Jen-Tsung Yang, M.D., Ph.D.
Reviewers' comments:

Wen-Wei Chang (Reviewer 1):

1. The full name of AR should be provided in abstract.
   Response:  
   As suggested by reviewer, the full name of AR has been provided in abstract. (Abstract section, line 17, page 2)

2. In Figure 2C, the underline seems to be removed. The same problem also appears in Figure 2D, the above line of western blot image.
   Response:  
   As suggested by reviewer, the lines have been removed. (Figure 2 of the revised manuscript)

3. In Figure 5C, a scale bar should be included. It is suggested to add arrows to point out "increased secretion" mentioned by authors in main text.
   Response:  
   As suggested by reviewer, scale bars and arrows have been added. (Figure 5 of the revised manuscript; Figure legends section, line 29, page 26)

4. The authors added new data about VPA inhibited autophagy. It means the induction of autophagy by TMZ may be one of the mechanisms in resistance. The authors should make some discussions.
   Response:  
   Thank you for reviewer’s comments. We have included this consideration in the discussion of the revised manuscript. (Discussion section, line 9, page 12)