Author's response to reviews

Title: Implication of metastasis suppressor gene, Kiss-1 and its receptor Kiss-1R in colorectal cancer

Authors:

Ke Ji Dr. (jk1115@hotmail.com)
Lin Ye Dr. (Yel@cardiff.ac.uk)
Rachel Hargest Dr. (Hargest@cardiff.ac.uk)
Malcolm D Mason Prof. (MasonMD@cardiff.ac.uk)
Wen G Jiang Prof. (JiangW@cardiff.ac.uk)

Version: 2  Date: 3 June 2014

Author's response to reviews: see over
Dear editorial board of BMC Cancer,

RE: Submission to BMC Cancer.

Please find the enclosed manuscript of implication of Kiss-1 and its receptor (Kiss-1R) in colorectal cancer. All authors have seen and agreed with the content and there is no conflict of interest to report. The current manuscript has not been submitted and under consideration by any other journal.

Kiss-1 and Kiss-1R have been suggested as a novel pair of metastasis suppressors for several human solid tumours, however, their role in colorectal cancer remains largely unknown. Ribozyme transgenes were used to knockdown high expression of Kiss-1 and Kiss-1R in colorectal cancer cells (HT115 and HRT18). The stabilized transfected cells were then used to deduce the influence of Kiss-1 and Kiss-1R on the function of colorectal cancer cells using in vitro assays and ECIS assay. The effect of Kiss-1 on MMPs related to tumour metastasis was also deleted using by zymography. The mRNA and protein expression of Kiss-1 and Kiss-1R and their correlation to the clinical outcome in human colorectal cancer were investigated using real-time PCR and IHC respectively.

We believe that the current review will be of interest to readers of BMC Cancer, and hope this is agreed by the editorial board and reviewers.

We look forward to hearing from you in due course.

Sincerely yours,

Wen G. Jiang,

Professor of Surgery and Tumour Biology,
Institute of Cancer and Genetics,
Cardiff University School of Medicine,
Cardiff, CF14 4XN
UK
Tel: +44 2920742895
FAX: +44 2920742896
Email: Jiangw@cf.ac.uk