Author's response to reviews

Title: Microarray analysis of DNA damage repair gene expression profiles in cervical cancer cells radioresistant to 252Cf neutron and X-rays

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Author's response to reviews: see over
Dear editors:

Thank you for your letter on October 21, 2009 regarding our manuscript entitled “Microarray analysis of DNA damage repair gene expression profiles in cervical cancer cells radioresistant to $^{252}$Cf neutron and X-rays” (Ms: 1254505758272283) that was submitted to your journal for publication. Comments and suggestions provided by the two reviewers have been very helpful to improve our manuscript quality and our study. We have carefully addressed the issues raised by the reviewers, point by point, as highlighted in the revised manuscript. We believe their comments and suggestions have significantly improved the quality of manuscript and made it publishable. We look forward to your favorable decision.

With best wishes,

Qing Yi

Comments from Khew-Voon Chin

Question 1. On p. 2, under “Results”, the opening sentence “The radioresistant sub-lines HeLaNR and ……..” does not make sense and needs to be edited.

Original edition: The radioresistant sub-lines HeLaNR and HeLaXR were more radioresistant to parental HeLa cells by detecting their radioresistant characteristics.

Revised edition: The radioresistant sub-lines HeLaNR and HeLaXR were more radioresistant to $^{252}$Cf neutron and X-rays than parental HeLa cells by detecting their radioresistant characteristics, respectively.

Question 2. On p. 9, lines 232-233, “Chronic exposure of cells to IR leads to an adaptive response that enhances cellular tolerance of cytotoxicity induced IR”, also needs to be edited.

Original edition: Chronic exposure of cells to IR leads to an adaptive response that enhances cellular tolerance of cytotoxicity induced IR.

Revised edition: Chronic exposure of cells to IR induced an adaptive response that resulted in enhanced tolerance to the subsequent cytotoxicity of IR.

Question 3. Line 283, “The number of genes that underwent homologous ……..” should be “The number of genes that are involved in homologous ……..”.

Original edition: The number of genes that underwent homologous recombination and nonhomologous end-joining

Revised edition: The number of genes that are involved in homologous recombination and nonhomologous end-joining

Question 4. Line 306, “KLOPP et al [38] detect 12 cervical cancer patients ……..” should be “… examined …..”, not “detect”.

Original edition: KLOPP et al [38] detect 12 cervical cancer patients with microarray

Revised edition: KLOPP et al [38] examined 12 cervical cancer patients with microarray