Author's response to reviews

Title: Elevated 14,15-EET by Upregulated Cytochrome P450 2C8, 2C9 and 2J2 and Downregulated Soluble Epoxide Hydrolase Associated With Aggressive Human Breast Cancer

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Dear Dafne Solera, Executive Editor, BMC Cancer

We are submitting our manuscript “Elevated 14,15-EET by increasing of cytochrome P450 2C8, 2C9 and 2J2 and decreasing of soluble epoxide hydrolase associated with aggressiveness of human breast cancer” by Wei et al., for publication as an original article in BMC Cancer.

Epoxyeicosatrienoic acids (EETs) are derived from arachidonic acid by cytochrome P450 (CYP) epoxygenases and metabolized by soluble epoxide hydrolase (sEH). The EETs pathway is linked to cardiovascular, diabetes and several cancer diseases. Here, we found that increased EET levels in breast cancer might be due to upregualtio n of CYP2C8, 2C9, 2J2 and downregulation of sEH expression; knockdown of CYP2C8, 2C9, 2J2 and sEH could partiality attenuate the proliferation and migration of breast cancer cells. The molecules might be a novel therapeutic target for treatment of breast cancer. Thus, our findings should be of interest to readers of BMC Cancer.

The manuscript, nor part of it, has not been published nor is currently under consideration for publication by any other journal. All co-authors have read and approved its submission. No other work is in preparation, submitted, in press or published from our laboratory that overlaps with this paper. If you have any further questions, please feel free to contact me.

Sincerely,

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