Reviewer’s report

Title: The Aryl Hydrocarbon Receptor Ligand Omeprazole Inhibits Breast Cancer Cell Invasion and Metastasis

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Reviewer: Anna Dubrovskaya

Reviewer’s report:

The manuscript by Jin et al. provides a panel of experiments which demonstrate an effect the Aryl Hydrocarbon Receptor ligand Omeprazole on breast cancer invasion and metastasis. The authors suitably addressed the reviewers’ comments. The manuscript can be now accepted after minor revision.

The minor points to be addressed:

- The acronyms need to be defined on first usage in the abstract and in the main text (e.g. CXCR4, MMP-9 in the abstracts, and PCNA, CYP1A1, CYP1B1 in the text).
- The scale bars in Figure 3D is missing and need to be shown and identified by labeling in the image or by statement in the figure caption.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:

I declare that I have no competing interests