Reviewer's report

Title: Wnt modulates MCL1 to control cell survival in triple negative breast cancer

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Reviewer: Lucia Anna Anna Stivala

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There is much attention in identifying new therapeutic targets in the treatment of breast cancer in order to improve the outlook for these patients. In fact, studies in the literature have already shown that activation of the signalling pathway Wnt/β-catenin play an important role non only in pathogenesis, but also in progression towards triple negative breast cancer (TNBC).

This manuscript by Yang et al. addresses to this interesting matter and, using different experimental strategies, show that overexpression of WNT5B, through MCL1 protein, regulating mitochondrial biogenesis, might be associated with the aggressive form of breast cancer.

The manuscript is generally well written, the in vitro experiments have been appropriately conducted, and the results describe a possible mechanism underlying the WNT5B activation in TNBC.

Minor point

The authors should correct some typographical errors in the text.

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.