



**School of Biomedical Sciences**

GPO Box U1987  
Perth Western Australia 6845

**Telephone** +61 8 9266 9712  
**Facsimile** +61 8 9266 7424  
**Email** marco.falasca@curtin.edu.au  
**Web** curtin.edu.au

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***Subject: Revised manuscript 48075***

Dear Editor,

Please find the revised version of the manuscript entitled “The Role of bioactive lipids in cancer stem cells” (N. 48075).

We would like to take this opportunity to thank the Reviewers for their comments that helped improving our manuscript. We have now performed several changes, as requested, and we have added several additional comments/discussions in the manuscript to take into account the Reviewers’ comments (as described in details below).

We hope that the manuscript is now suitable for publication in World Journal of Stem Cells.

Yours sincerely,

Marco Falasca

## ***Point-by-point answers to Reviewers***

### **Answers to Reviewer 1.**

We thank the reviewer for his/her insightful comments.

1. As suggested, we have reorganized the manuscript
2. We have removed the section “Reactive oxygen species”.
3. Finally, we have removed some old references and replaced with more recent ones.

### **Answers to Reviewer 2.**

We thank the reviewer for his/her insightful comments.

1. We have expanded the section on cholesterol as suggested
2. More information on ABC transporters' ability to transport cholesterol and other lipids added
3. Figure font size increased and explanation added as suggested

### **Answers to Reviewer 3.**

We thank the reviewer for his/her insightful and right comments.

Sentences in the Introduction chapter have been changed according to the reviewer's suggestion. Similarly, the sentence on genetic profile has been rephrased.