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## ESPS PEER REVIEW REPORT

**Name of journal:** World Journal of Stem Cells

**ESPS manuscript NO:** 13269

**Title:** Using induced pluripotent stem cells as a tool for modelling carcinogenesis

**Reviewer code:** 02445707

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2014-08-15 18:42

**Date reviewed:** 2014-09-09 03:55

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Existing	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input checked="" type="checkbox"/> Grade D: Fair		BPG Search:	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Existing	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

### COMMENTS TO AUTHORS

In their review, the authors address one of the hottest topics in current cancer cell biology. Great amount of data on the role of stem cells, "stemness" and cell reprogramming in cancer was published during last years. Therefore, publication of the article is justified that would provide the synthesis of the knowledge on these topics in the context of the possible application of IPCs for modeling the process of carcinogenesis. However, the manuscript in the present form lacks continuity and, most importantly, is very superficial. For example, the authors provided a lot of redundant information on the activities of stemness determinants (Myc, Oct-4 etc.). Concomitantly, they neglected to provide any information about the specific processes involved in carcinogenesis; for example: origins, development and function of cancer stem cells; cell reprogramming, clonal expansion and evolution etc. Actually, iPC may serve to model these specific phenomena in vitro. EMT - another phenomenon crucial for cancer development - is mentioned in the text; but there is no information about its nature and significance. Therefore, I recommend that the whole manuscript should be thoroughly rewritten to address at least these points.



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## ESPS PEER REVIEW REPORT

**Name of journal:** World Journal of Stem Cells

**ESPS manuscript NO:** 13269

**Title:** Using induced pluripotent stem cells as a tool for modelling carcinogenesis

**Reviewer code:** 02930966

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2014-08-15 18:42

**Date reviewed:** 2014-09-21 15:19

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Existing	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	BPG Search:	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> Existing	<input checked="" type="checkbox"/> Minor revision
		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

### COMMENTS TO AUTHORS

This is a timely review paper but there are some minor comments with its present form that need to be addressed in my opinion. The headings and subheadings in the manuscript should be numbered. Some references are missing. Please check below the specific comments for more details.



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## ESPS PEER REVIEW REPORT

**Name of journal:** World Journal of Stem Cells

**ESPS manuscript NO:** 13269

**Title:** Using induced pluripotent stem cells as a tool for modelling carcinogenesis

**Reviewer code:** 00717502

**Science editor:** Fang-Fang Ji

**Date sent for review:** 2014-08-15 18:42

**Date reviewed:** 2014-09-13 15:11

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input checked="" type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> Existing	<input type="checkbox"/> High priority for publication
<input type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	BPG Search:	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input type="checkbox"/> Existing	<input type="checkbox"/> Major revision
		<input type="checkbox"/> No records	

### COMMENTS TO AUTHORS

In this manuscript, the authors reviewed recent research on carcinogenesis related to iPS cells. The contents are timely and attractive to readers interested in this field. However there are a few concerns to be revised that the authors strengthen the manuscript. Major points 1. There are discrepancy in the quality of abstract and the text. The authors should revise the abstract. There are many points to be revised. line 1: that despite improved treatments remain prevalent account for... line 4: Primary culture can help but is difficult to grow for a number of tissues. line 7-8: in to pluripotency should be revised for readers to understand the contents easily. 2. The figure is a little poor. Minor points The same term should be used for JML and JMML.