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## ESPS PEER REVIEW REPORT

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

**ESPS manuscript NO:** 12737

**Title:** Changes in human pluripotent stem cell gene expression after genotoxic stress exposures

**Reviewer code:** 02494917

**Science editor:** Ling-Ling Wen

**Date sent for review:** 2014-07-24 16:13

**Date reviewed:** 2014-08-07 15:28

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	Google Search:	<input checked="" type="checkbox"/> Accept
<input checked="" type="checkbox"/> Grade B: Very good	<input 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 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

It is good enough to publication.



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## ESPS PEER REVIEW REPORT

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

**ESPS manuscript NO:** 12737

**Title:** Changes in human pluripotent stem cell gene expression after genotoxic stress exposures

**Reviewer code:** 02929237

**Science editor:** Ling-Ling Wen

**Date sent for review:** 2014-07-24 16:13

**Date reviewed:** 2014-08-11 21:01

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	Google Search:	<input type="checkbox"/> [ Y] Accept
<input type="checkbox"/> [ Y] Grade B: Very good	<input type="checkbox"/> [ Y] 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 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

The paper of Sokolov and Neumaan, “Changes in human pluripotent stem cell gene expression after genotoxic stress exposures” is the comprehensive review and state of the art for the stress induced genotoxic response of human embryonic stem cells. The authors are obviously the experts in the field and have published themselves several research articles connected to the topic. The 55 papers of reference are good representation of the evolution in the field and give the correct basis for the discussion of the meaning and importance of recent data on the stress induced changes in embryonic stem cells gene expression. However, one reservation is that the title by generalization of the review as changes in human pluripotent stem cell gene expression” goes beyond the actual scope of the review, since data on iPS cells are represented only by one reference and only in the context of gamma irradiation. In my opinion the title should be formulated more precisely pointing out that this is review generally on human ESC stress induced responses. Minor reservation (which does not influence good quality of the paper) is that the word “interestingly” is used by the authors in to many spots of this only few pages long MS, but well written and comprehensive review.