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## ESPS PEER REVIEW REPORT

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

**ESPS manuscript NO:** 12573

**Title:** Induced pluripotent stem cells: mechanisms, achievements and future perspectives in farm animals

**Reviewer code:** 00069130

**Science editor:** Xiu-Xia Song

**Date sent for review:** 2014-07-17 11:39

**Date reviewed:** 2014-07-29 03:24

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

I have evaluated the manuscript titled "Induced Pluripotent Stem Cells: Mechanisms, Achievements and Future Perspectives in Farm Animals" by Dharmendra Kumar, Thirumala R. Talluri<sup>1</sup>, Taruna Anand and Wilfried A. Kues<sup>1</sup>. I did not find any technical mistakes or errors except few spelling mistakes. Suggestion: I recommend you to include an important report published in Cell last year. (Volume 13, Issue 2, p246-254, 1 August 2013). I would advise not to have an entire paragraph on STAP because it is nothing but fraud. There are few mistakes in language/expression. I recommend the manuscript (ESPS Manuscript NO: 12573) for publication in WJSC.



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## ESPS PEER REVIEW REPORT

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

**ESPS manuscript NO:** 12573

**Title:** Induced pluripotent stem cells: mechanisms, achievements and future perspectives in farm animals

**Reviewer code:** 02446152

**Science editor:** Xiu-Xia Song

**Date sent for review:** 2014-07-17 11:39

**Date reviewed:** 2014-07-25 22:31

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"/> 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 review is well written, nicely structured and it compiles most of the previously known aspects concerning iPS technology and its potential application very well. The title of this manuscript however emphasizes that the focus is on mechanisms, achievements and future perspectives in Farm Animals. To a great deal most of the information is not dealing with these aspects rather than discussion or referring to the potential clinical applications in human patients. Many recent publications have been dealt with these points. Minor points: - STAP cells: is or was that of interest regarding farm animal iPS; also the issue is considered a closed case and not of scientific relevance anymore - the aspect of whether pluripotency factors need to be species-specific in order to properly work in a given animal has not been discussed, yet appears to be very important in order to accomplish reprogramming in any given animal of interest - it often goes without saying of how a particular large animal species may serve as the better preclinical model; rodents may certainly serve as a model to reveal principles or scientific concepts, yet it would have been interesting for this reviewer to what extent for instance the buffalo as referred to in Table 1 serves as a best possible model.