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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

ESPS manuscript NO: 13727

Title: Systems biology approach to developing S2RM-based “systems therapeutics” and NiPSs

Reviewer’s code: 02446114

Reviewer’s country: Afghanistan

Science editor: Yue-Li Tian

Date sent for review: 2014-08-30 12:33

Date reviewed: 2014-09-15 23:08

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	PubMed Search:	<input type="checkbox"/> Accept
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language polishing	<input type="checkbox"/> The same title	<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"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		[Y] No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		[Y] No	

COMMENTS TO AUTHORS

This manuscript is a good review paper to discuss the systems biology approach for stem cell research and it should be attractable for readers of World Journal of Stem Cells.



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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

ESPS manuscript NO: 13727

Title: Systems biology approach to developing S2RM-based “systems therapeutics” and NiPSs

Reviewer’s code: 00505755

Reviewer’s country: Japan

Science editor: Yue-Li Tian

Date sent for review: 2014-08-30 12:33

Date reviewed: 2014-10-24 14:11

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input type="checkbox"/> Grade A: Priority publishing	PubMed 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"/> The same title	<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"/> Duplicate publication	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

General comments (1) The importance of the research and the significance of the research findings This research is very important since it suggests a novel concept such as systems therapeutics. Molecules secreted from stem cells are main topic in the article. This is such a fascinating topic in recent advanced data science and the big data era. (2) The novelty and innovative nature of the research It is innovative in focusing on the systems biology and stem cell therapeutics. (3) The quality of the manuscript’s presentation and readability It is written well, however some formatting in references and abbreviations is needed. (4) The ethics-related aspects of the research N/A

Specific comments Title: It reflects the major topic and contents of the study. Abstract: It describes about the aim of the research to propose the new concept, systems therapeutic and a combination of stem cell released molecules from several stem cell types (S2RM). Introduction: The explanation about MSC1 (pro-inflammatory) and MSC2 (immunosuppressive) phenotype may be added. Main text: In “Naturally induced pluripotent stem cell (NiPSs) within the state dependent stem cell niche” section, the differences between pluripotent and totipotent may be discussed in the second paragraph. Please



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cite the references showing the reprogramming of the cells by physical manipulation in the paragraph. In “Development of cancer system therapeutic” section, the association between cancer and dysregulated ECM may be discussed more in detail. References: Please check reference numbers, especially 35, 36, 40 and 41 in the text, since the References are alphabetically listed. Please check references again. Figures: SRM may be added somewhere in figures.