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ESPS PEER REVIEW REPORT

Name of journal: World Journal of Stem Cells

ESPS manuscript NO: 12924

Title: Hematopoietic Stem Cells as Key Players in the Tumor Microenvironment: Focus on HSC-derived Cancer-Associated Adipocytes and Cancer-Associated Fibroblasts

Reviewer code: 00504493

Science editor: Fang-Fang Ji

Date sent for review: 2014-07-29 21:43

Date reviewed: 2014-10-04 03:44

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 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

The Authors examine in this review the roles of cancer-associated adipocytes (CAAs) and cancer-associated fibroblasts (CAFs) in remodeling of the tumor microenvironment (TME), presents evidence for a unique hematopoietic stem cell origin for both CAAs and CAFs, and discusses potential therapeutic implications of this novel origin. The manuscript is very well written. I really enjoyed reading this manuscript, and I also learned a lot. This paper has a unique educational value, and I think it should be a fundamental reference for all the researcher in the field of tumor micronevninroment.



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ESPS manuscript NO: 12924

Title: Hematopoietic Stem Cells as Key Players in the Tumor Microenvironment: Focus on HSC-derived Cancer-Associated Adipocytes and Cancer-Associated Fibroblasts

Reviewer code: 01021289

Science editor: Fang-Fang Ji

Date sent for review: 2014-07-29 21:43

Date reviewed: 2014-10-06 15:43

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

This manuscript reviews the function and origins of cancer associated adipocytes and cancer associated fibroblasts that modulate the proliferation and function of neighboring cancer cells. They conclude that hematopoietic stem cells develops into CAAs and CAFs in the tumor microenvironment. Specific comments 1. In the section, 2.1, the author focus on the activated phenotype of CAAs and CAFs but did not mention anything about how these cells are activated. It would be easier for the readers how the CAAs and/or CAFs are activated by the tumor in the section 2.1. 2. Although this is well written, it is a little lengthy manuscript. It may be shortened. 3. Please paginate the manuscript.



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Name of journal: World Journal of Stem Cells

ESPS manuscript NO: 12924

Title: Hematopoietic Stem Cells as Key Players in the Tumor Microenvironment: Focus on HSC-derived Cancer-Associated Adipocytes and Cancer-Associated Fibroblasts

Reviewer code: 01554116

Science editor: Fang-Fang Ji

Date sent for review: 2014-07-29 21:43

Date reviewed: 2014-09-22 17:35

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 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 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

Xiong et al did a very nice review on the topics. Minor typing errors should be corrected before publication.



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ESPS manuscript NO: 12924

Title: Hematopoietic Stem Cells as Key Players in the Tumor Microenvironment: Focus on HSC-derived Cancer-Associated Adipocytes and Cancer-Associated Fibroblasts

Reviewer code: 00344482

Science editor: Fang-Fang Ji

Date sent for review: 2014-07-29 21:43

Date reviewed: 2014-09-28 15:25

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
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<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

This is an informative and well written review on the role of adipocytes in the tumor microenvironment.