

PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 39832

Title: Ectopic expression of the osteogenic master gene RUNX2 in melanoma

Reviewer's code: 02446280

Reviewer's country: Russia

Science editor: Fang-Fang Ji

Date sent for review: 2018-05-25

Date reviewed: 2018-06-03

Review time: 9 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input checked="" type="checkbox"/> Anonymous
<input checked="" type="checkbox"/> Grade C: Good	polishing	<input type="checkbox"/> Accept	<input type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input checked="" type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The manuscript entitled "The ectopic expression of the osteogenic master gene RUNX2 in melanoma" by Valenti et al analyze last findings in the field of cancer genetics, particularly the role of Runx2 transcription factor in metastatic melanoma. The paper is well written and summarizes some functions of Runx2 transcription factor. However,

recent studies have found that Runx2 is overexpressed in cancer cells, enhancing their migration and invasion (Boregowda R.K., et al 2014; El-Gendi M.S., et al 2016; Li X.Q., et al 2015; Pratap J., 2005; Sase T et al 2012;), - the processes that are closely linked to blood stream, particularly endothelial cells. Runx2 is also very important for some endothelial cells functions (Li QL et al., 2002; Lund KH et al 2002, etc). Runx2 and VEGF are both positively regulate each other to stimulate endothelial cells migration (Zelzer et al., 2001, Namba et al., 2000; Sun et al., 2001). Metastatic melanoma share many antigens with vascular endothelial cells (Haass et al., 2005) and although melanocytes and skin fibroblasts arise from neuroepithelia during early embryonic development are more mesenchymal in adults. To this end I would recommend to address this issue also to make the manuscript more comprehensive. I would also recommend indicate that BRAF, KIT, NRAS, PTEN, P53, TERT and MITF are not only ordinary genes but also master transcription regulators of very important functions.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

BPG Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ No

PEER-REVIEW REPORT

Name of journal: World Journal of Stem Cells

Manuscript NO: 39832

Title: Ectopic expression of the osteogenic master gene RUNX2 in melanoma

Reviewer's code: 02446120

Reviewer's country: Argentina

Science editor: Fang-Fang Ji

Date sent for review: 2018-05-25

Date reviewed: 2018-06-03

Review time: 9 Days

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
<input type="checkbox"/> Grade A: Excellent	<input checked="" type="checkbox"/> Grade A: Priority publishing	<input type="checkbox"/> Accept	Peer-Review:
<input checked="" type="checkbox"/> Grade B: Very good	<input type="checkbox"/> Grade B: Minor language	(High priority)	<input type="checkbox"/> Anonymous
<input type="checkbox"/> Grade C: Good	polishing	<input checked="" type="checkbox"/> Accept	<input checked="" type="checkbox"/> Onymous
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of	(General priority)	Peer-reviewer's expertise on the
<input type="checkbox"/> Grade E: Do not	language polishing	<input type="checkbox"/> Minor revision	topic of the manuscript:
publish	<input type="checkbox"/> Grade D: Rejection	<input type="checkbox"/> Major revision	<input type="checkbox"/> Advanced
		<input type="checkbox"/> Rejection	<input checked="" type="checkbox"/> General
			<input type="checkbox"/> No expertise
			Conflicts-of-Interest:
			<input type="checkbox"/> Yes
			<input checked="" type="checkbox"/> No

SPECIFIC COMMENTS TO AUTHORS

The manuscript "The ectopic expression of the osteogenic master gene RUNX2 in melanoma" by Valenti et al., highlights the role of RUNX2, a member of RUNT-related gene family, which appears to be deregulated in human cancer. The manuscript explores the many relationships between this gene and many signaling pathways



**Baishideng
Publishing
Group**

7901 Stoneridge Drive, Suite 501,
Pleasanton, CA 94588, USA
Telephone: +1-925-223-8242
Fax: +1-925-223-8243
E-mail: bpgoffice@wjgnet.com
https:// www.wjgnet.com

involved in development of several tumors including breast, pancreatic, prostate, and other cancer types. Interestingly the authors point out that RUNX2 prevents p53 activation, thus deregulating Epithelial-mesenchymal transition (EMT). Therefore, the authors conclude that RUNX2 could be involved in cancer invasion and metastasis in Melanoma. The manuscript provides new insights on Melanoma development; it is interesting and of possible clinical relevance.

INITIAL REVIEW OF THE MANUSCRIPT

Google Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ [Y] No

BPG Search:

- ☐ The same title
- ☐ Duplicate publication
- ☐ Plagiarism
- ☐ [Y] No