



BAISHIDENG PUBLISHING GROUP INC

8226 Regency Drive, Pleasanton, CA 94588, USA

Telephone: +1-925-223-8242

Fax: +1-925-223-8243

E-mail: bpgoffice@wjgnet.com

http://www.wjgnet.com

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Experimental Medicine

ESPS manuscript NO: 17858

Title: Endoplasmic reticulum stress-mediated pathways to both apoptosis and autophagy: Significance for melanoma treatment

Reviewer's code: 00504030

Reviewer's country: China

Science editor: Yue-Li Tian

Date sent for review: 2015-03-28 19:16

Date reviewed: 2015-04-30 13:12

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	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"/> The same title	<input type="checkbox"/> High priority for publication
<input checked="" type="checkbox"/> Grade C: Good	<input checked="" 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

In this review paper, the authors attempted to summarize the significance of ER stress pathways in melanoma treatment via presenting its role in apoptosis and autophagy. They analyzed and discussed previous researches about ER function, different ER stress pathways, ER stress pathway in apoptosis and autophagy related to melanoma. This reviewer has made the following comments and suggestions aimed to further improve the manuscript. Major comments: 1. There are many grammar errors and inappropriate use of English throughout the text. The authors should correct them carefully. 2. What's the meaning of the sentences with red font? It makes the manuscript look like a draft. 3. In [Introduction] part, the authors should introduce the role of apoptosis and autophagy in melanoma or melanoma treatment, and mention the significance and link of ER stress to these cellular processes. 4. As mentioned by the authors 'Figure 1 outlines the ER stress-associated pathways in normal and tumor cells', is there any difference between normal and tumor cells when ER stress occurs? If yes, it will be better to present it in separate schematic diagrams. 5. The authors should put their emphasis on introducing ER stress and its role in tumor instead of ER classification.



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6. P5-6, in the [Induction of ER stress-associated pathways by anticancer agents] part, the authors should list the inducer or stimulator and briefly introduce the effects. It will make the contents more relational to the heading. Minor comments: 1. P3, paragraph 1, line 7, the sentence 'Thus,, the prognosis is poor.' can be deleted. 2. P3, paragraph 2, what is the purpose to state the last sentence "In recent past,, the best treatment for systemic therapy." 3. P3, paragraph 3, be careful with the use of 'however' and 'thus' as well as 'although'. Besides, mitochondrial dysregulation-dependent pathways are often regarded as significant participants of apoptosis. 4. P3, paragraph 4, lines 3 and 4, is there any difference between 'induces cell proliferation' and 'promotes proliferation' here? In addition, the authors should provide the reference(s) for the last sentence. 5. P6, heading 'Endoplasmic stress-mediated pathways to apoptosis in melanoma' - does Endoplasmic stress means ER stress?



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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Experimental Medicine

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Title: Endoplasmic reticulum stress-mediated pathways to both apoptosis and autophagy: Significance for melanoma treatment

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Science editor: Yue-Li Tian

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CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	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"/> 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 checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		BPG Search:	<input type="checkbox"/> Major revision
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

It is comprehensive and easily understandable. Thus, it is Acceptable for publication.



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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Experimental Medicine

ESPS manuscript NO: 17858

Title: Endoplasmic reticulum stress-mediated pathways to both apoptosis and autophagy: Significance for melanoma treatment

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Science editor: Yue-Li Tian

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CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	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"/> The same title	<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"/> Duplicate publication	<input type="checkbox"/> Rejection
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<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

The article subject is pertinent. New treatment approach for melanoma is needed. Authors used very recent bibliography. Still, I consider important to refer to old and previous researches regarding chemotherapy. There are a lot of typos. The manuscript must be revised carefully. I highlighted some of them on the text. Others observations on the text.