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## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Translational Medicine

**ESPS manuscript NO:** 16712

**Title:** Targeting apoptosis is the major battle field for killing cancers

**Reviewer's code:** 00505382

**Reviewer's country:** Italy

**Science editor:** Yue-Li Tian

**Date sent for review:** 2015-01-28 19:41

**Date reviewed:** 2015-03-20 05:08

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"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Minor revision
		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

This is an interesting review on cancer drug discovery focused on apoptosis. Bibliography is a bit outdated and would benefit from an additional revision adding some newer references just come in the literature. Tables summarizing both clinical trials and drugs and their mechanisms of action experimented till now would be beneficial to improve the understanding and readability of the manuscript?



### ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Translational Medicine

**ESPS manuscript NO:** 16712

**Title:** Targeting apoptosis is the major battle field for killing cancers

**Reviewer’s code:** 02274153

**Reviewer’s country:** United States

**Science editor:** Yue-Li Tian

**Date sent for review:** 2015-01-28 19:41

**Date reviewed:** 2015-02-25 01:21

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 type="checkbox"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input checked="" type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input type="checkbox"/> Minor revision
	<input type="checkbox"/> Grade D: Rejected	BPG Search:	<input checked="" 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

The article “Current Strategies for Cancer Drug Discovery” by Liu et al. focuses, in part, on the often under-appreciated aspect of apoptosis in cancer treatment. The article contains the seeds of a very valuable review, but in its current form is too haphazard, unsystematic, and superficial. The authors need to make a clear decision, what they want to focus on, the targeting of apoptosis or the screening for new drug compounds. The discussion of strategies for drug screening is beyond the scope of a review on apoptosis in cancer treatment. Apoptotic target molecules are not essentially central to drug screening. By covering both sub-topics, the manuscript lacks depth. Major rewriting is required to focus the topic and gain depth in discussing it in detail. Specific points: On page 4 (and again on page 7), the arbitrary mention of agents that target Bcl-2 or p53 could be replaced or supplemented by a table that lists those agents and their properties. This is one example for making the paper more systematic. The role of apoptosis in cancer chemotherapy should not be overstated. Specifically, the traditional anti-cancer agents listed in the abstract likely kill more through necrosis. The manuscript contains frequent grammatical errors that distract from the message. Help should be obtained in correcting those.



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## ESPS PEER-REVIEW REPORT

**Name of journal:** World Journal of Translational Medicine

**ESPS manuscript NO:** 16712

**Title:** Targeting apoptosis is the major battle field for killing cancers

**Reviewer's code:** 02446005

**Reviewer's country:** Italy

**Science editor:** Yue-Li Tian

**Date sent for review:** 2015-01-28 19:41

**Date reviewed:** 2015-03-13 21:35

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"/> Duplicate publication	
<input type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Plagiarism	<input type="checkbox"/> Rejection
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		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

This short review debates about cancer drug discovery. The topic is of interest and the review should be published. However, I think that the Authors should focus more on some interesting aspects improving the review. In particular more details could be given on cancer drug screening, because there is not too much in the literature about this aspect. Maybe the Authors could give an example of a successful application of the techniques (like SPRi) and describe with more details the procedures. English requires attention: es: page 10 (last sentence "Much of the early pharmaceutical .....screening" is without verb). In Fig. 2: Iressa should be iressa (also note that it is the same molecule as gefinitib (Maybe the Authors should add Tarceva instead)).