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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Translational Medicine

ESPS manuscript NO: 22290

Title: Sphingolipid metabolism affects the anticancer effect of cisplatin

Reviewer's code: 00403513

Reviewer's country: Germany

Science editor: Shui Qiu

Date sent for review: 2015-08-30 16:11

Date reviewed: 2015-10-29 17:04

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 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"/> 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 review summarizes in a comprehensive fashion major aspects of sphingolipids in cisplatin mediated anticancer effects. Minor: It would be helpful to explain uni- and bidirectional arrows in Fig.1. Furthermore 1-2 sentences (for explaining the figure) about the main pathway in the legend might be considered.

ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Translational Medicine

ESPS manuscript NO: 22290

Title: Sphingolipid metabolism affects the anticancer effect of cisplatin

Reviewer's code: 01450668

Reviewer's country: Japan

Science editor: Shui Qiu

Date sent for review: 2015-08-30 16:11

Date reviewed: 2015-11-12 15:12

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 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

1. Ceramide chain length In mammalian cells, ceramides are generally synthesized from sphingoid bases, and very long (C24) or long (C16) fattyacid chains are added by specific ceramide synthases. During cisplatin-induced apoptosis, although intracellular ceramide levels are not changed, long ceramides are specifically elevated (Sassa et al., BBA, 2012; Siskind et al., JBC, 2010). Ceramides containing different acyl chain lengths influence membrane composition and affect cisplatin-induced apoptosis (Sassa et al., BBA, 2012). Author should mention these findings. Sassa T, Suto S, Okayasu Y, Kihara A: A shift in sphingolipid composition from C24 to C16 increases susceptibility to apoptosis in HeLa cells. *Biochim Biophys Acta.*, 2012, 1821: 1031-7.

2. aSMase-mediated CD95 redistribution Cisplatin-induced redistribution of CD95 had been reported in HT29 cells (Lacour et al., *Cancer Res.*, 2004). In this report, some important data of the molecular mechanism of aSMase-mediated CD95 relocation into lipid microdomains was presented. You should summarize this report. Lacour S, Hammann A, Grazide S, Lagadic-Gossmann D, Athias A, Sergent O, Laurent G, Gambert P, Sokary E, Dimanche-Boitrel MT: Cisplatin-induced CD95 redistribution into membrane lipid rafts of HT29 human colon cancer cells. *Cancer Research*, 2004, 64: 3593-8.