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ESPS PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

ESPS manuscript NO: 30376

Title: microRNA-34a mediates oxaliplatin resistance of colorectal cancer cells by inhibiting autophagy via transforming growth factor-beta/sm4 pathway

Reviewer's code: 00503405

Reviewer's country: Hungary

Science editor: Ze-Mao Gong

Date sent for review: 2016-10-01 14:19

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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"/> 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 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

In the original article of Sun et al. the authors demonstrated that a significant association exists between miR-34a expression and the acquired chemoresistance of oxaliplatin in CRC. The miR-34a mediated oxaliplatin resistance was found to be mediated by the inhibitory effects of miR34a on autophagy by regulating the TGF- β /Smad4 pathway. Their findings suggest that miR-34a could be a potentially therapeutic target for improving the oxaliplatin-based chemotherapeutic effect in CRC. The study is well designed, and moderately presented. Some points need major revision: - What kind of autophagy was altered? Macro- or one of the organelle-specific subclasses? What the TEM analysis revealed? - Why did not the authors examine Beclin1-, LC3B and ATG16L1 mRNS/protein expressions? - English language needs minor polishing. - The format of the manuscript must be revised according to the requirement of WJG. After major revision, I suggest to accept the manuscript for publication.