

ESPS Peer-review Report

Name of Journal: World Journal of Gastroenterology

ESPS Manuscript NO: 10173

Title: miR-374b-5p Promotes Gastric Cancer Invasion and Metastasis by suppressing RECK expression

Reviewer code: 00073423

Science editor: Su-Xin Gou

Date sent for review: 2014-03-18 08:59

Date reviewed: 2014-03-30 16:26

CLASSIFICATION	LANGUAGE EVALUATION	RECOMMENDATION	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"/> Existed	<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"/> No records	<input type="checkbox"/> Rejection
<input type="checkbox"/> Grade D (Fair)	<input type="checkbox"/> Grade D: rejected	<input type="checkbox"/> Existed	<input checked="" type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E (Poor)		<input type="checkbox"/> No records	<input type="checkbox"/> Major revision

COMMENTS TO AUTHORS

Major comments: 1) The authors have published a recent paper which employs a similar approach in GC cell lines: Juan Xi et al. "miR-7 inhibits the invasion and metastasis of gastric cancer cells by suppressing epidermal growth factor receptor expression", *Oncol Rep.* 2014 Apr;31(4):1715-22. My questions is wheather microRNA profiling performed in the latter study and in the current new submission involves the same experiment or is it different? The authors use the same cell lines in these two papers and seem to get different microRNA profiling results in cell lines - this needs to be explained and discussed. If there is an overlap between microarray results this needs to be stated and interpreted in terms of "novelty". 2) There are numerous reports of newly identified microRNA targeted genes in cancer, however, the application of these findings in clinical practice seems to be challenged by the fact that the same microRNA may target multiple genes including both oncogenes and tumor suppressors. The authors should discuss this complexity and potential implications of their findings in the discussion section. Minor comments: 1) The authors must improve English and correct grammar mistakes throughout the manuscript - eg. Pg. 2 line 16 "invasiveness may-via"; pg. 7, ln 12; pg. ln 23-27 (sentence way too long and hard to follow), pg. 8 ln 21 "are" should be "is", pg 11 ln 1 "Peferences", etc. 2) Key words: "DNA microarray", is this a typo? 3) Page 8, ln 22. The authors should be more cautious when stating that "little is known about the expression levels change and relative function of miRNAs in gastric cancer cells" there are numerous recent publications on that. 4) The content in page 3, ln 17-26 should not be presented in the "Introduction" part of the article - authors should not start describing their findings in this part of the paper and



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should move this part to the appropriate sections below!