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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 50956

Title: MicroRNA-30c inhibits pancreatic cancer cell proliferation by targeting twinfilin 1 and indicates poor prognosis

Reviewer's code: 00069827
Position: Peer Reviewer
Academic degree: MD, PhD
Professional title: Professor
Reviewer's country: Lithuania
Author's country: China
Reviewer chosen by: Artificial Intelligence Technique
Reviewer accepted review: 2019-08-19 18:43
Reviewer performed review: 2019-08-20 10:33
Review time: 15 Hours

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
[ ] Grade A: Excellent	[Y] Grade A: Priority publishing	[ ] Accept (High priority)	Peer-Review:
[Y] Grade B: Very good	[ ] Grade B: Minor language polishing	[Y] Accept (General priority)	[Y] Anonymous
[ ] Grade C: Good	[ ] Grade C: A great deal of language polishing	[ ] Minor revision	[ ] Onymous
[ ] Grade D: Fair	[ ] Grade D: Rejection	[ ] Major revision	Peer-reviewer's expertise on the topic of the manuscript:
[ ] Grade E: Do not publish		[ ] Rejection	[ ] Advanced
			[Y] General
			[ ] No expertise
			Conflicts-of-Interest:
			[ ] Yes
			[Y] No

SPECIFIC COMMENTS TO AUTHORS

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I would like to commend the authors for presenting this research data. Clearly, there is still an open discussion about the mechanisms of carcinogenesis in pancreatic cancer, and the role of microRNA in particular. Specifically, the role of microRNA-30 in pancreatic cancer was not researched and described, so this paper has a certain degree of novelty. Surely, like many other previously described molecular pathways, microRNAs are not the sole players but the current research adds significant piece of information to the global picture of the complex network of altered regualtion in pancreatic cancer. Overall, little criticism could be expressed regarding this study. The manuscript is concise and well-structured. The aim and the goals of the study, methodology and results sections are comprehensive and clear. This is a nice example of the translational research combining in vitro cell culture experiments, use of animal model and inclusion of some human patient data.

INITIAL REVIEW OF THE MANUSCRIPT

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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 50956

Title: MicroRNA-30c inhibits pancreatic cancer cell proliferation by targeting twinfilin 1 and indicates poor prognosis

Reviewer's code: 03664719
Position: Peer Reviewer
Academic degree: FACS, FRCS, MD
Professional title: Professor
Reviewer's country: United Kingdom
Author's country: China

Reviewer chosen by: Artificial Intelligence Technique

Reviewer accepted review: 2019-08-23 17:11
Reviewer performed review: 2019-08-24 17:43
Review time: 1 Day

SCIENTIFIC QUALITY	LANGUAGE QUALITY	CONCLUSION	PEER-REVIEWER STATEMENTS
[ ] Grade A: Excellent	[ ] Grade A: Priority publishing	[ ] Accept (High priority)	Peer-Review:
[ ] Grade B: Very good	[Y] Grade B: Minor language polishing	[ ] Accept (General priority)	[ ] Anonymous
[Y] Grade C: Good	[ ] Grade C: A great deal of language polishing	[Y] Minor revision	[Y] Onymous
[ ] Grade D: Fair	[ ] Grade D: Rejection	[ ] Major revision	Peer-reviewer's expertise on the topic of the manuscript:
[ ] Grade E: Do not publish		[ ] Rejection	[Y] Advanced
			[ ] General
			[ ] No expertise
			Conflicts-of-Interest:
			[ ] Yes
			[Y] No

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The manuscript by LuLu Sun and colleagues analyses miR-30c in pancreatic cancer. To this end, expression levels of miR-30c and the target twinfilin 1 (TWF1) were determined in human pancreatic cancer by quantitative real-time PCR and immunoblot analysis. It is shown that miR-30c expression is decreased in pancreatic cancer and that miR-30c supressed pancreatic cancer cell proliferation. Further, TWF1 is a direct target of miR-30c and miR-30c negatively correlates with TWF1. This is a potentially interesting analysis, and the experimental procedures are -in general- sound and valid. There are some concerns that should be addressed: 1. The rationale to analyse miR-30c is not clear. Why did the authors chose this microRNA? 2. The authors should provide data on the localisation of miR-30c in pancreatic cancer tissues. 3. The normal human pancreatic ductal epithelial (HPDE) cell line is not an optimal control for pancreatic cancer cells. This should be discussed. 4. It is quite surprising, that there was only one target gene appearing in all three online bioinformatics tools (TargetScan, miRDB and miRTarBase), with 55, 849, and 521 predicted genes. How can this be explained? How accurate are these online tools?

INITIAL REVIEW OF THE MANUSCRIPT

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