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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 34659

Title: Parallel mRNA, Proteomics and miRNA expression analysis in cell line models of the small intestine.

Reviewer's code: 00037324

Reviewer's country: United States

Science editor: Ya-Juan Ma

Date sent for review: 2017-05-18

Date reviewed: 2017-05-24

CLASSIFICATION	LANGUAGE EVALUATION	SCIENTIFIC MISCONDUCT	CONCLUSION
<input type="checkbox"/> Grade A: Excellent	<input checked="" 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 type="checkbox"/> Grade C: Good	<input type="checkbox"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input checked="" type="checkbox"/> Rejection
<input checked="" type="checkbox"/> Grade D: Fair	<input type="checkbox"/> Grade D: Rejected	<input checked="" type="checkbox"/> Plagiarism	<input type="checkbox"/> Minor revision
<input type="checkbox"/> Grade E: Poor		<input checked="" type="checkbox"/> No	<input type="checkbox"/> Major revision
		BPG Search:	
		<input type="checkbox"/> The same title	
		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

COMMENTS TO AUTHORS

This manuscript utilized three complimentary expression profiling techniques (miRNA, proteomics and mRNA) to characterize Caco2 and HT29 cell lines, and identified that 160 miRNA, 1,795 mRNAs and 168 proteins are differentially expressed in these cell lines. Although the experimental designs are state of the art and the observations are somewhat interesting, the functional variation due to the differential expression of mRNA and protein are not defined clearly. Thus, I believe this manuscript is out of the scope of the World Journal of Gastroenterology. This study would be best suited for a more specific journal focusing on "omic" profiling of tissues/immortalized cell lines.



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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 34659

Title: Parallel mRNA, Proteomics and miRNA expression analysis in cell line models of the small intestine.

Reviewer's code: 02440884

Reviewer's country: Germany

Science editor: Ya-Juan Ma

Date sent for review: 2017-06-03

Date reviewed: 2017-06-08

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

COMMENTS TO AUTHORS

In the experimental study, the cell lines HT-29 and CaCo2 were characterized in parallel mRNA, proteomics, and miRNA. The study revealed 34 proteins potentially undergoing miRNA translational repression. The Basic study could be in the scope of WJG. Comments 1. The cell lines are addressed as models of the small intestine. This statement should not be given. As pointed in the abstract, the cell lines are intestinal cell line models, not recommended for the small intestine. 2. How does the authors exclude that culture conditions are important variables in the miRNA profile? Is there any dynamic in miRNA translational repression?



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PEER-REVIEW REPORT

Name of journal: World Journal of Gastroenterology

Manuscript NO: 34659

Title: Parallel mRNA, Proteomics and miRNA expression analysis in cell line models of the small intestine.

Reviewer's code: 00050232

Reviewer's country: Brazil

Science editor: Ya-Juan Ma

Date sent for review: 2017-06-03

Date reviewed: 2017-06-12

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

COMMENTS TO AUTHORS

This Basic Study is well elaborated, uses innovative methodology and supports organoid studies aiming at greater knowledge of enteric epithelial cells. A minor revision is needed, since the Discussion is somewhat redundant, thus requiring a synthesis. The work has merit and deserves to be published with priority.