

## PEER-REVIEW REPORT

**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 36350

**Title:** Composition and Immunostimulatory Properties of Extracellular DNA from Mouse Small Intestine Flora

**Reviewer's code:** 02440884

**Reviewer's country:** Germany

**Science editor:** Ze-Mao Gong

**Date sent for review:** 2017-09-23

**Date reviewed:** 2017-09-26

**Review time:** 3 Days

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 checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Minor revision
	<input type="checkbox"/> Grade D: Rejected	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

The interesting experimental work is focused on the characterization of immunostimulatory properties of extracellular DNA (eDNA) from mouse small intestine flora. eDNA und intracellular DNA (iDNA) from bacteria were characterized with sequencing. eDNA, mainly from Bacteroidales-S24-7 and Stentrophomonas, induced significant lower expression profiles of pro-inflammatory cytokines in Raw267.4 macrophages. Comments 1. The title gives the focus on small intestine. The title does not reflect that small intestinal tissues and colon are used. The title should be changed. 2. Page 1: abbreviation DC is given prior to the term: "dendritic cells" 3. Primers 338F/806R are not mentioned in the Materials and Methods. 4. Morphological characterization of mucus layers is not convincing. Electronmicrocopy or multiimmunofluorescence should be regarded as additional techniques. 5. Figure 1, legend: in the Figure colon and small



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intestine should be marked/ annotated.

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**Manuscript NO:** 36350

**Title:** Composition and Immunostimulatory Properties of Extracellular DNA from Mouse Small Intestine Flora

**Reviewer's code:** 02803865

**Reviewer's country:** France

**Science editor:** Ze-Mao Gong

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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"/> Grade C: A great deal of language polishing	<input type="checkbox"/> Duplicate publication	<input type="checkbox"/> Rejection
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<input type="checkbox"/> Grade E: Poor		BPG Search:	<input type="checkbox"/> Major revision
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		<input type="checkbox"/> Duplicate publication	
		<input type="checkbox"/> Plagiarism	
		<input checked="" type="checkbox"/> No	

## COMMENTS TO AUTHORS

The authors report data on extracellular DNA in the small (and colon) intestine mucosal layer, in mouse models. The manuscript is well written however some phrases could be reformulated: "It has demonstrated": it has been demonstrated "It's Worth noting" to note would be "in mucus layer" in the mucus layer "one weeks" one week sentence "And the DNA //" Table 1: use of cap letters for Index/index; use of cap letters for table, Figure "because approximatively" delete because "This agreed with the finding" this is in agreement with the finding "It was reported that" can be deleted from the sentence "little eDNA

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**Name of journal:** World Journal of Gastroenterology

**Manuscript NO:** 36350

**Title:** Composition and Immunostimulatory Properties of Extracellular DNA from Mouse Small Intestine Flora

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**Reviewer's country:** Turkey

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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"/> [ Y] Accept
<input type="checkbox"/> Grade B: Very good	<input type="checkbox"/> [ Y] Grade B: Minor language polishing	<input type="checkbox"/> The same title	<input type="checkbox"/> [ ] High priority for publication
<input type="checkbox"/> [ Y] 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"/> [ Y] 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"/> [ Y] No	

## COMMENTS TO AUTHORS

This is a valuable study by means of design, method and conclusions. The results add new clues to well-known Immunomodulator balance of cytokines triggered by extracellular DNA have a role in mucosal immunity. There are some recommendations for correction of scientific, grammatical or typographic issues in attached word file.